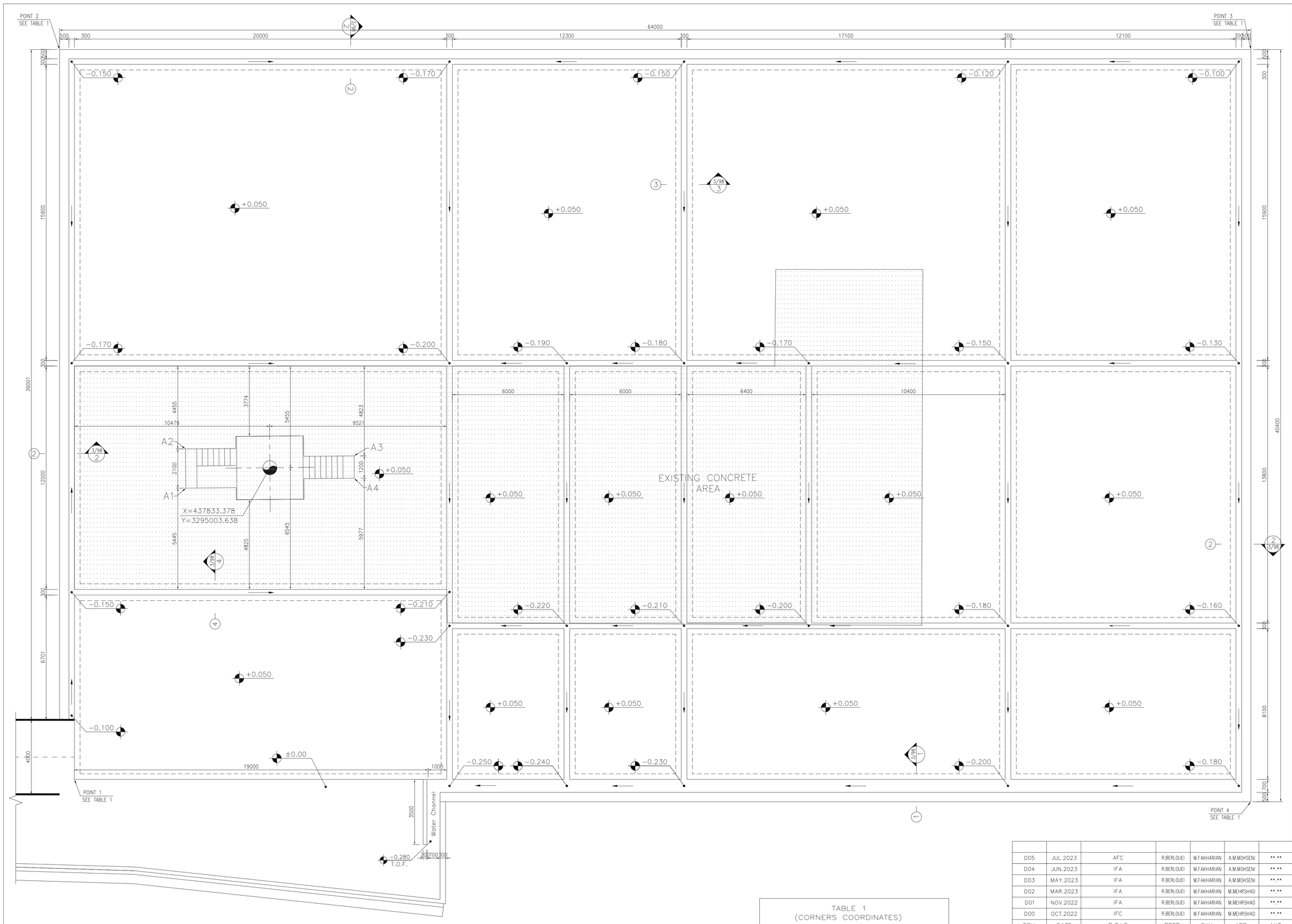

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±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

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

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T.O.W.	TOP OF WALL
T.O.C.	TOP OF CONCRETE
T.O.PIT	TOP OF PIT
B.O.P.	BOTTOM OF PIPE
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STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

TABLE 1 (CORNERS COORDINATES)		
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

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D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	1 OF 98	D05

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

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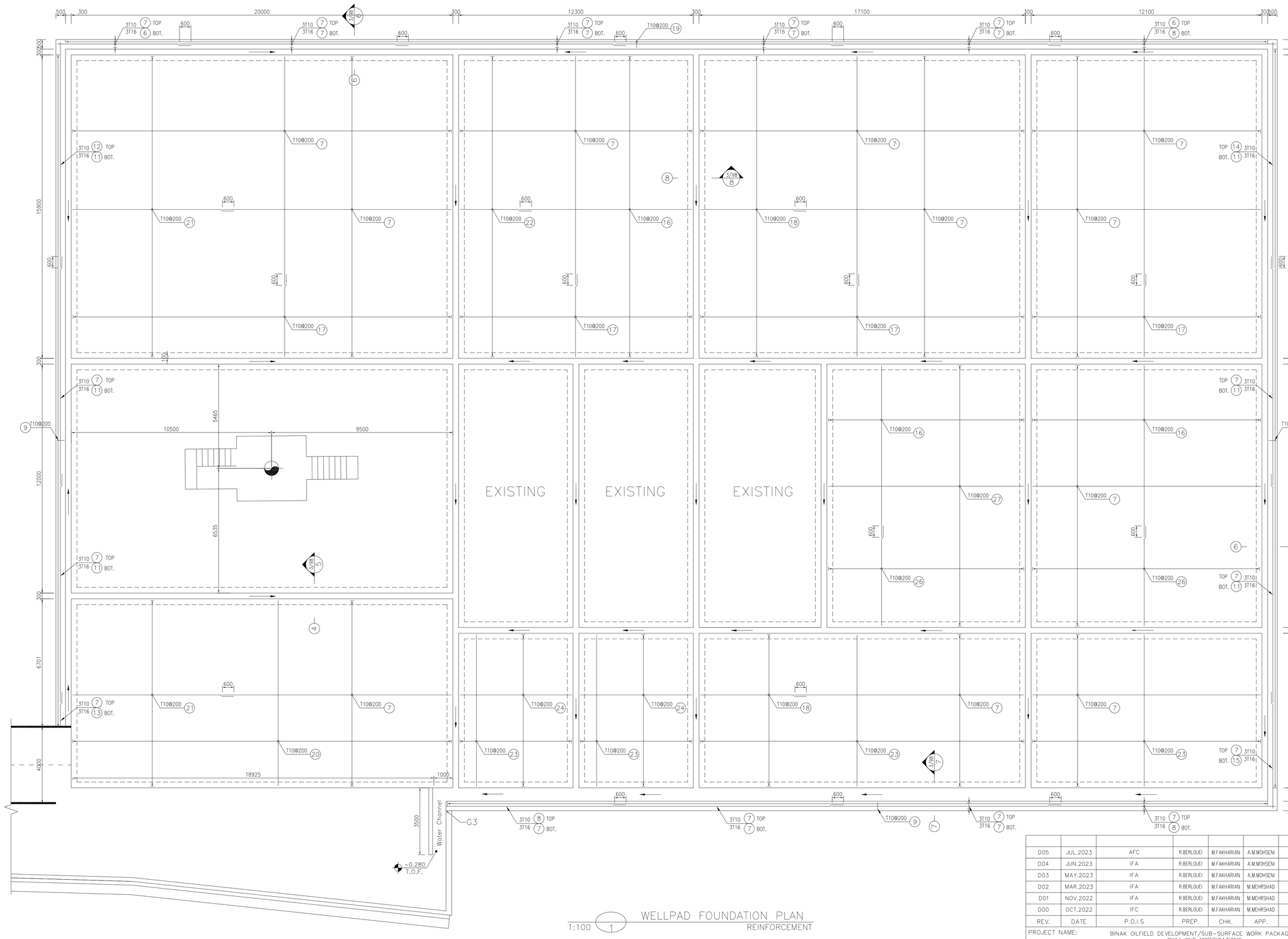
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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	1	D05



1:100 1 WELLPAD FOUNDATION PLAN REINFORCEMENT

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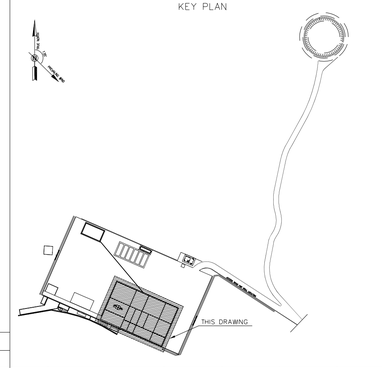
KEY PLAN



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

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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
WELLPAD FOUNDATION REINFORCEMENT PLAN

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	2 OF 98	D05

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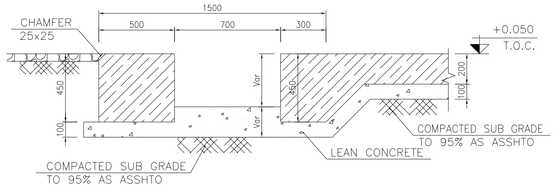
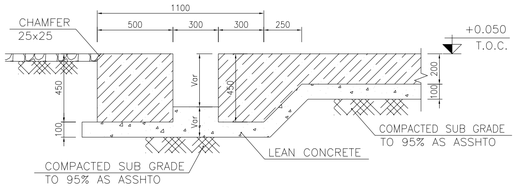


1/98 — 1:20 — 1 — TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



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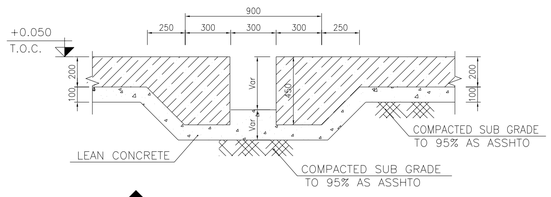
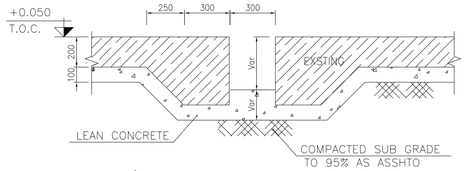


1/98 — 1:20 — 3 — TYPICAL CHANNEL SECTION IN MIDDLE SIDE



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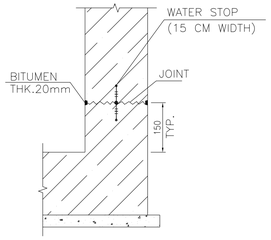

N.T.S. — 9 — TYPICAL DETAIL OF WATER STOP

Pos	Spec.	Shape	L/A	No.	T10	T16
1	T10	200 / 300 / 400 / 150	1.050	2570	2698.500	
2	T10	460	0.460	4	1.840	
3	T10	200 — 1500 — 200	1.900	295	560.500	
4	T10	200 — 1100 — 200	1.500	680	1020.000	
5	T10	220 / 350 / 105	1.350	896	1209.600	
6	T10	7000	7.000	6	42.000	
7	T10	12000	12.000	814	9768.000	
8	T10	11000	11.000	8	88.000	
9	T10	400 / 350 / 100	1.700	596	1013.200	
10	T10	2700	2.700	2	5.400	
11	T16	12000	12.000	18		216.000
12	T10	1850	1.850	3	5.550	
13	T16	1850	1.850	3		5.550
14	T10	6115	6.115	3	18.345	
15	T16	6115	6.115	3		18.345
16	T10	9000	9.000	227	2043.000	
17	T10	4350	4.350	311	1352.850	
18	T10	5550	5.550	121	671.550	
19	T10	300 / 350 / 100	1.500	318	477.000	
20	T10	9730	9.730	101	982.730	
21	T10	8450	8.450	130	1098.500	
22	T10	3750	3.750	80	300.000	
23	T10	7950	7.950	209	1661.550	
24	T10	5850	5.850	82	479.700	
25	T10	6250	6.250	70	437.500	
26	T10	5250	5.250	147	771.750	
27	T10	10250	10.250	70	717.500	
TOTAL LENGTH OR AREA (m/m2)					27424.57	239.90
UNIT WEIGHT (Kg)					0.617	1.578
WEIGHT (Kg)					16920.95	378.56
GRAND TOTAL (Kg)					17300 Kg.	

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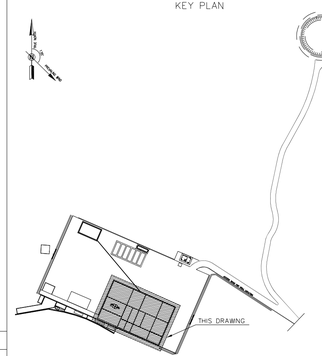
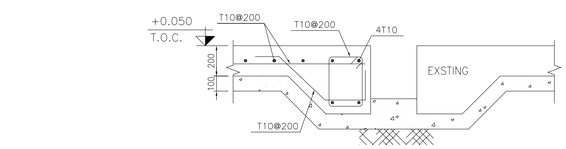
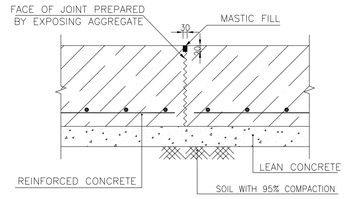
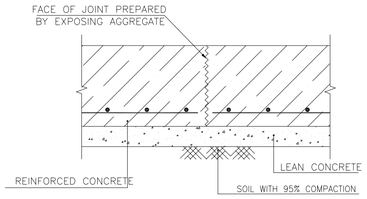




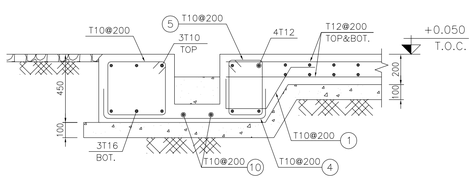
2/98 — 1:20 — 5 — TYPICAL CHANNEL SECTION IN MIDDLE SIDE



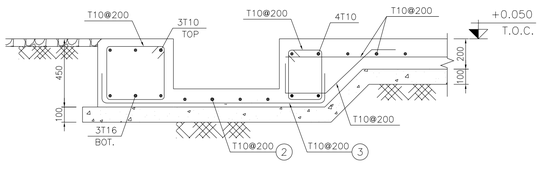
– — N.T.S. — 10 — TYPICAL CONTRACTION JOINT EVERY 6000



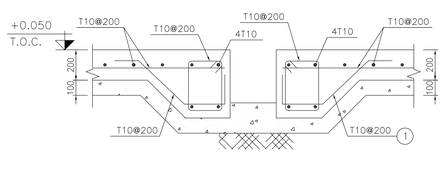
– — N.T.S. — 11 — TYPICAL CONSTRUCTION JOINT



2/98 — 1:20 — 6 — TYPICAL CHANNEL SECTION



1/98 — 1:20 — 7 — TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



3/98 — 1:20 — 8 — TYPICAL CHANNEL SECTION IN MIDDLE SIDE

* 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

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 — PEDCO

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	3 OF 98	D05

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

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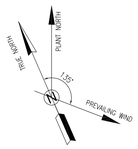
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

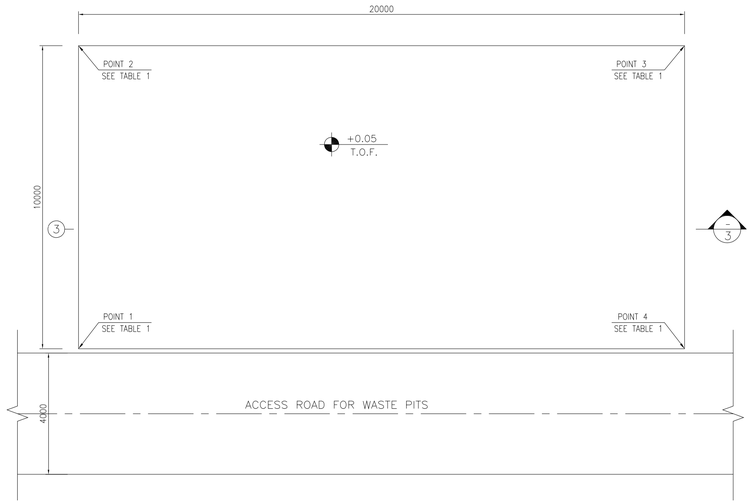
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

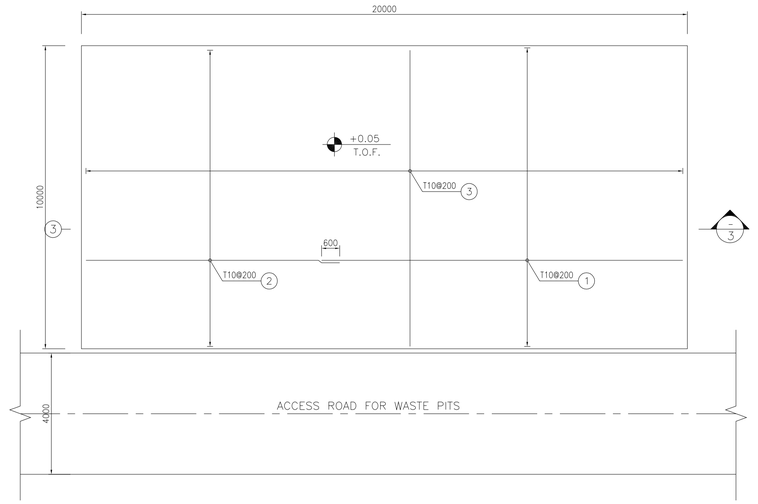
APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	3	D05

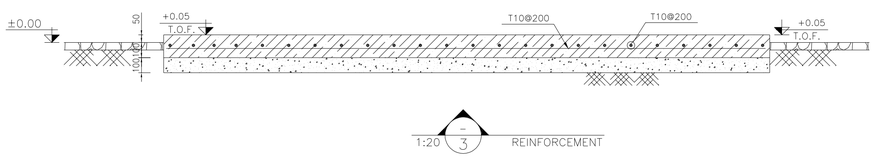




DEWATERING PLAN
1:100 (2) FORMWORK



DEWATERING PLAN
1:100 (2) REINFORCEMENT



1:20 (3) REINFORCEMENT

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.

TABLE 1 (CORNERS COORDINATES)		
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

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/mm^2
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

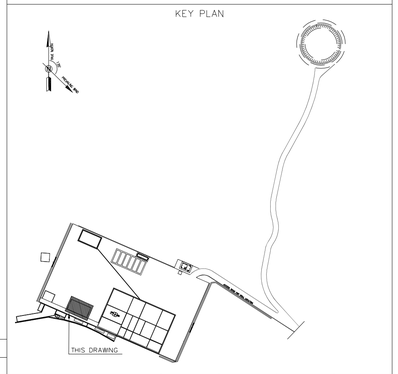
LEGEND AND ABBREVIATION

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

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.

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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 PETROIRAN DEVELOPMENT COMPANY

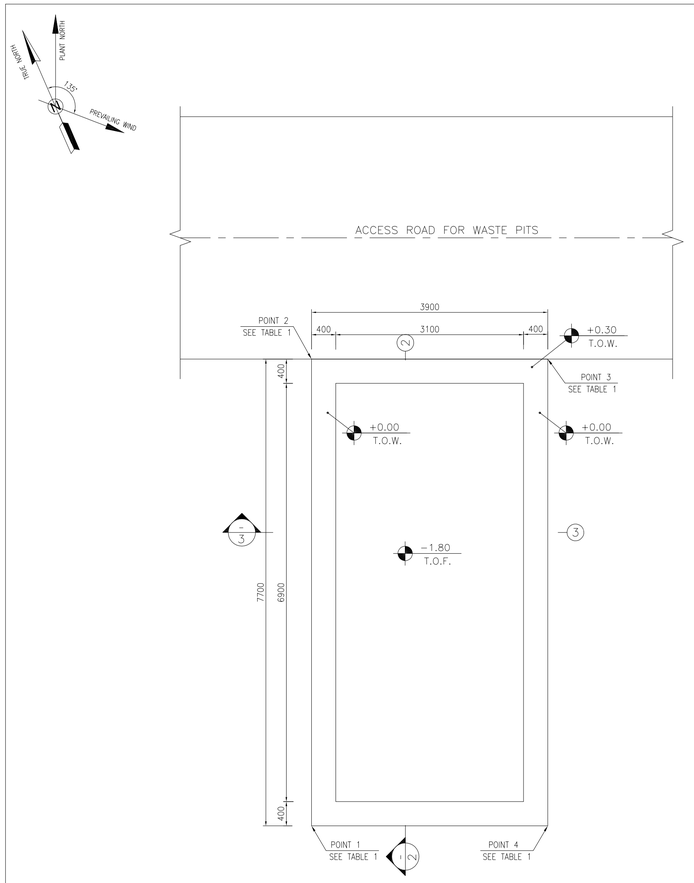
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

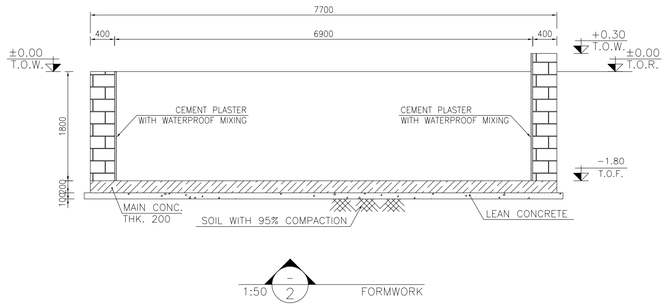
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
DEWATERING FORMWORK & REINFORCEMENT PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

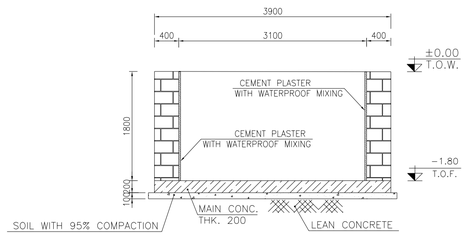
APPROVED FOR CONSTRUCTION			BY:		DATE:	
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	4 OF 98	D05	053-073-9184	F	4	S	708209	4	D05



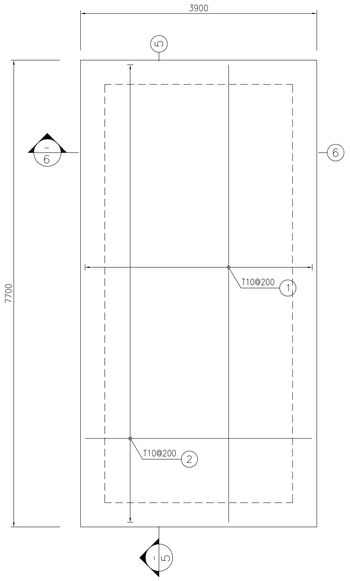
1:50 1 CUTTING DISPOSAL PLAN



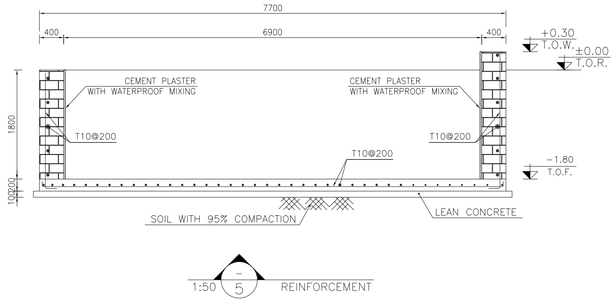
1:50 2 FORMWORK



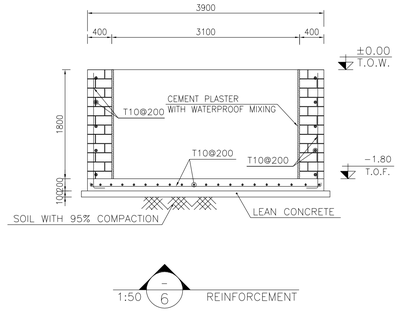
1:50 3 FORMWORK



1:50 4 CUTTING DISPOSAL PLAN REINFORCEMENT



1:50 5 REINFORCEMENT



1:50 6 REINFORCEMENT

TABLE 1 (CORNERS COORDINATES)		
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.	Shape	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.

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/mm^2

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

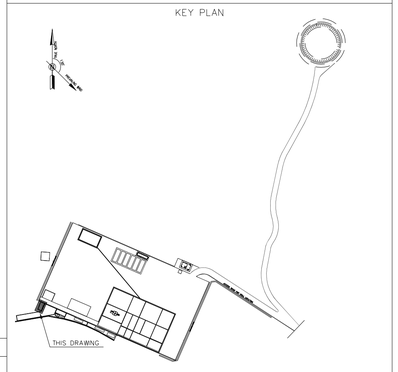
LEGEND AND ABBREVIATION

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

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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



D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	** **
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.

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

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

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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 (PEDCO)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

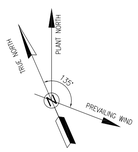
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

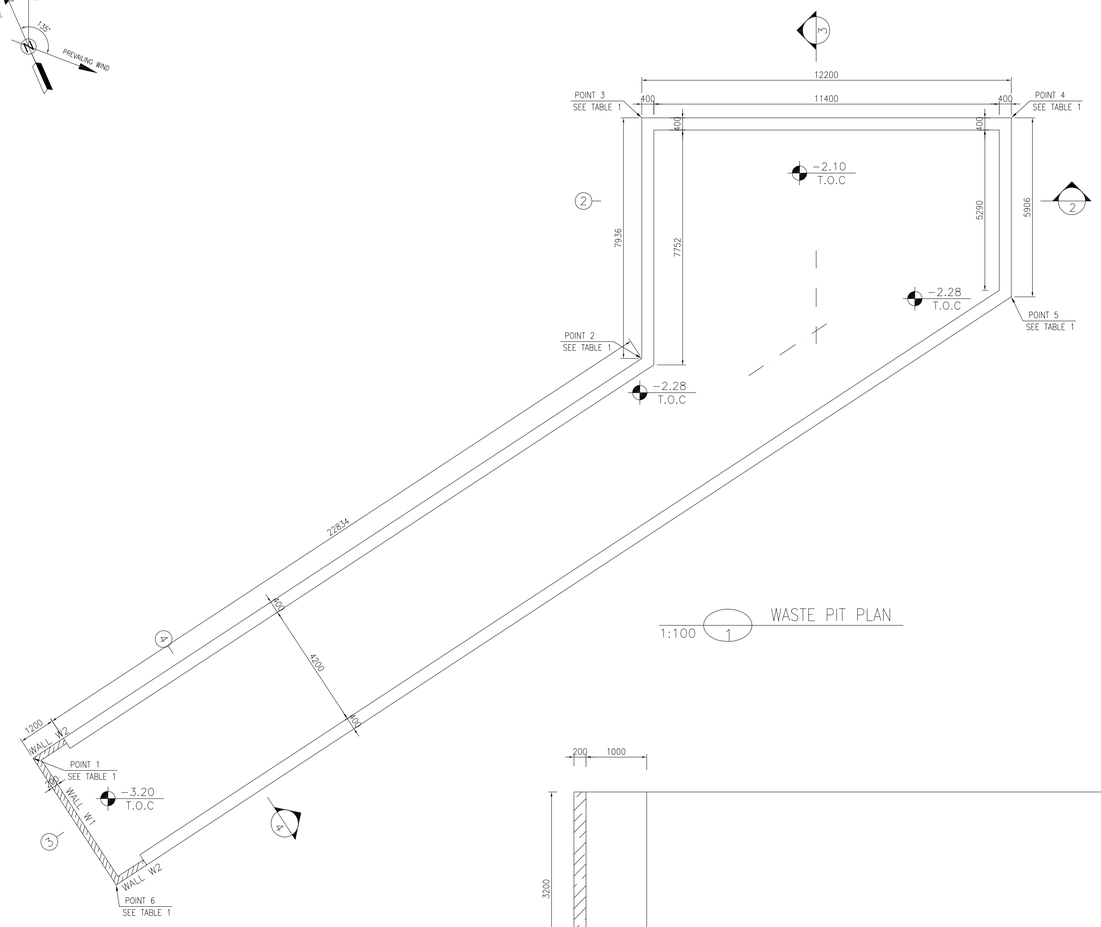
APPROVED FOR CONSTRUCTION | BY: | DATE:

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

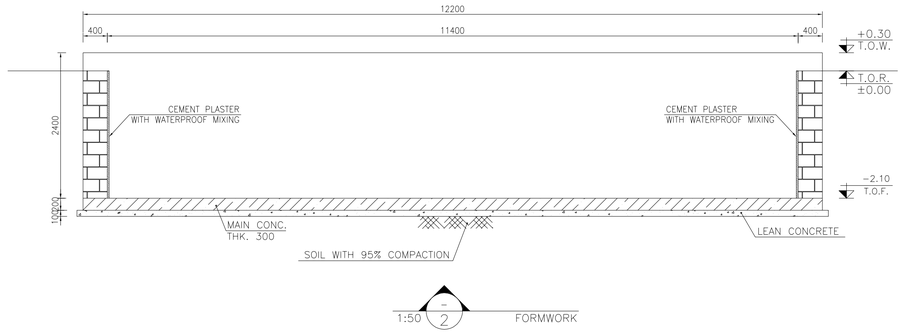
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	5 OF 98	D05

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	5	D05

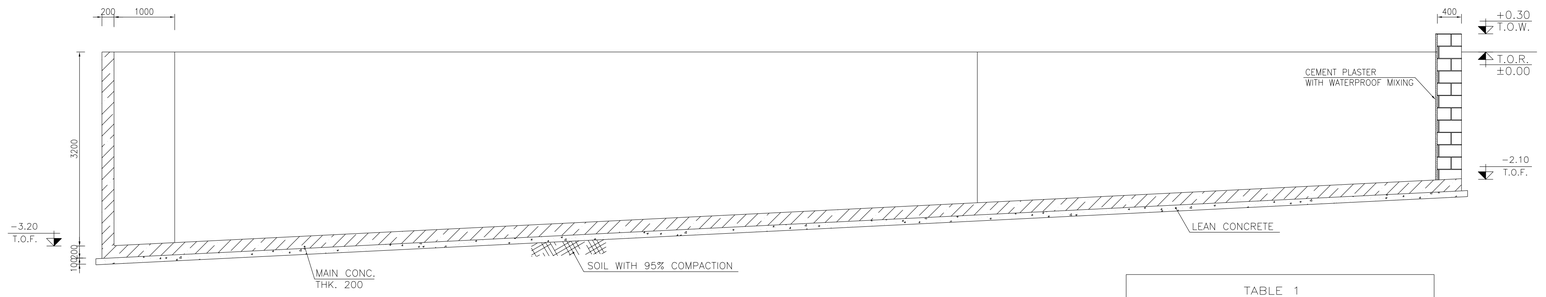




WASTE PIT PLAN
1:100 1



1:50 2 FORMWORK



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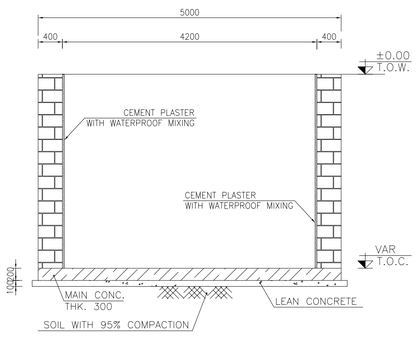

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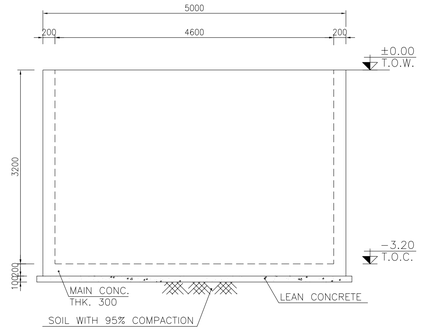
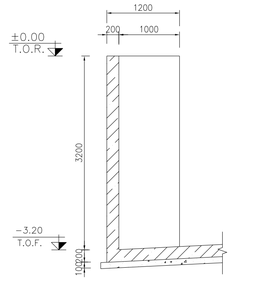


1:25 5 WALL W1 FORMWORK



1:25 6 WALL W2 FORMWORK

TABLE 1 (CORNERS COORDINATES)		
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

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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/mm^2
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

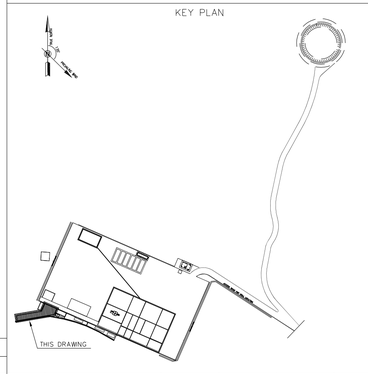
LEGEND AND ABBREVIATION

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

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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

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N.I.S.O.C. / FIELDS

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY (PEDCO)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

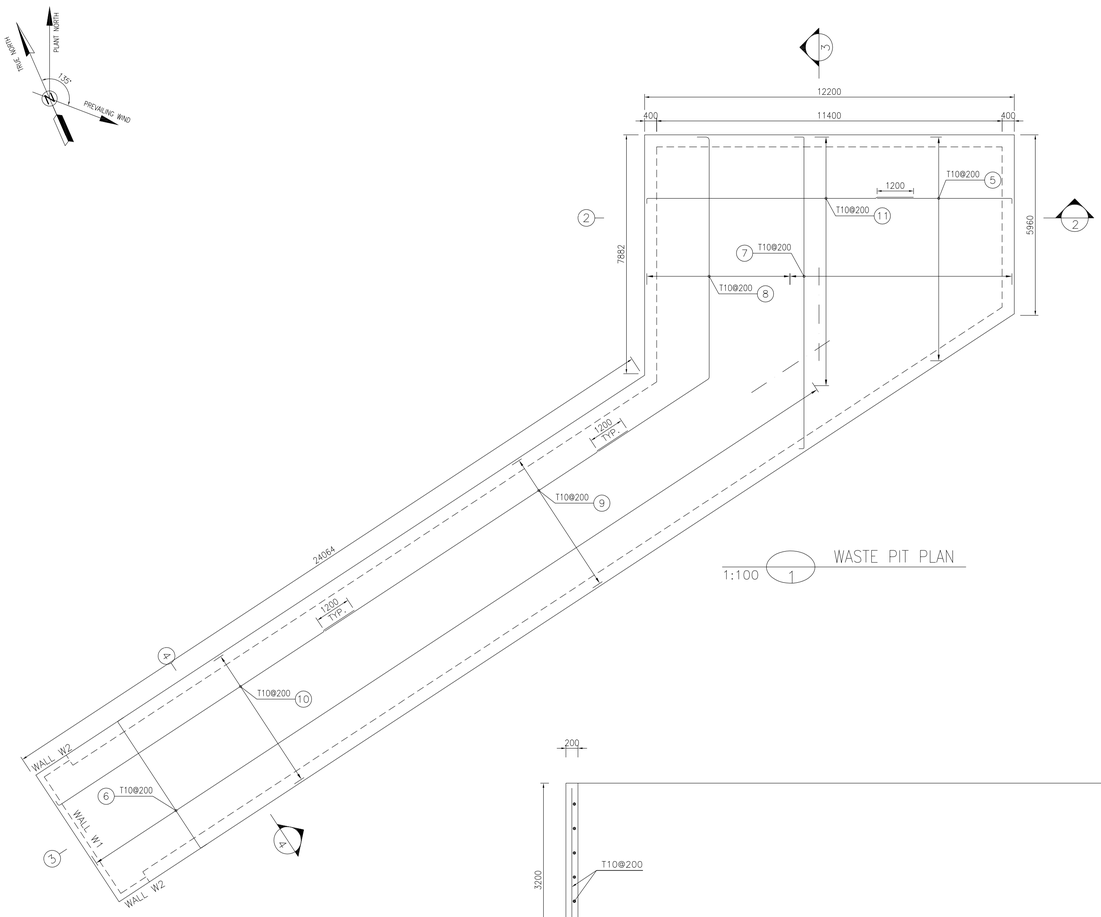
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

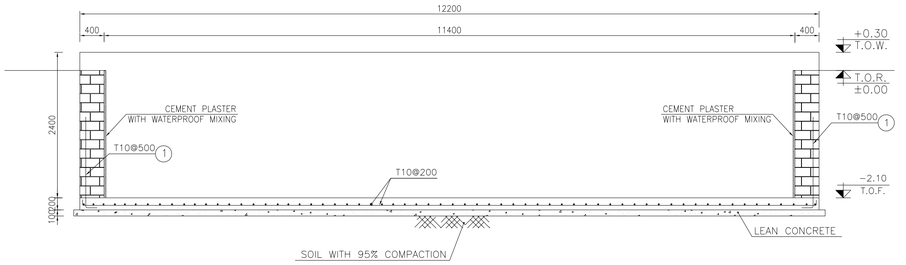
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	6 OF 98	D05

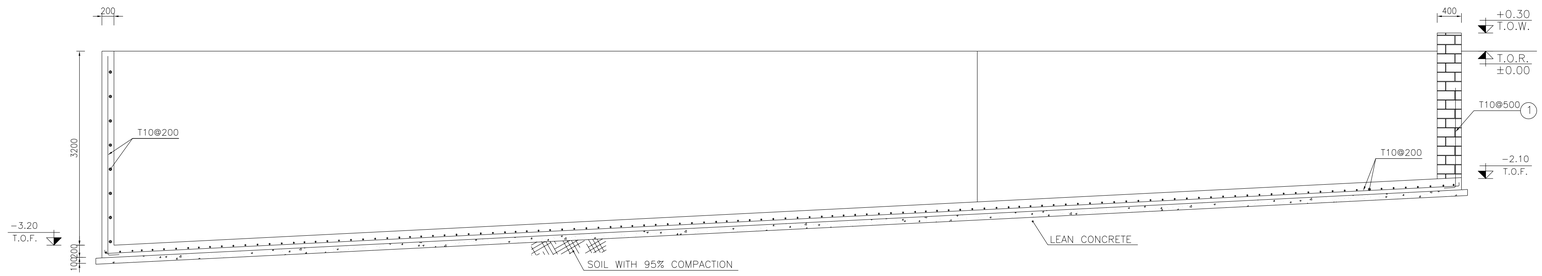
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	6	D05



1:100 1 WASTE PIT PLAN



1:50 2 FORMWORK



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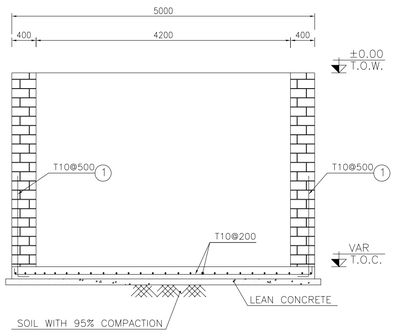
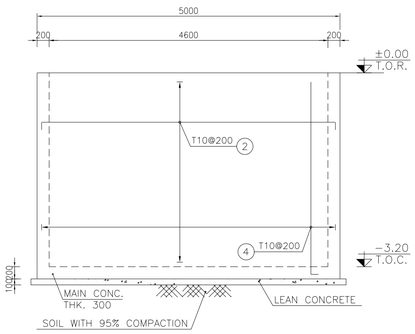
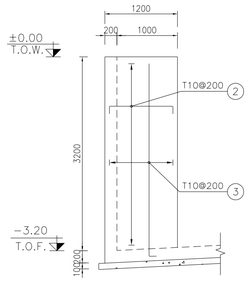


1:50 4 REINFORCEMENT



1:25 5 WALL W1 REINFORCEMENT



1:25 6 WALL W2 REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 1500	1.700	168	285.600
2	T10	200 1050 200	1.450	71	102.950
3	T10	200 3200	3.400	14	47.600
4	T10	200 1900	2.100	7	14.700
5	T10	200 4450	4.650	39	181.350
6	T10	200 5000 200	5.400	145	783.000
7	T10	200 10250 200	10.650	39	415.350
8	T10	150 11850	12.000	27	324.000
9	T10	12000	12.000	27	324.000
10	T10	200 11800	12.000	27	324.000
11	T10	200 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.

NOTES

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GLOSS : DULL
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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

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

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.
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GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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
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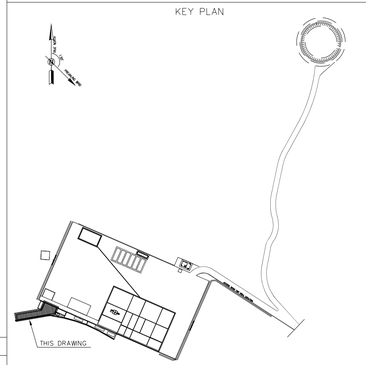
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	** **
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	APPR. BY	APPR. DATE
***	**********	** **	***.****	** **	***.****

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 PEDCO

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	7 OF 98	D05

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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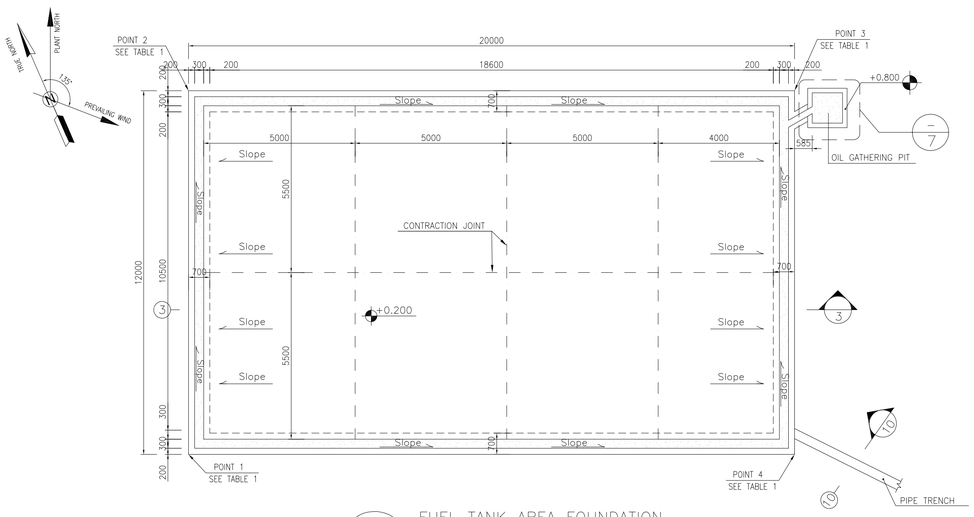
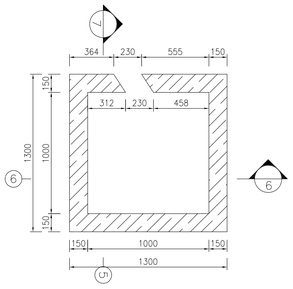
APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	7	D05



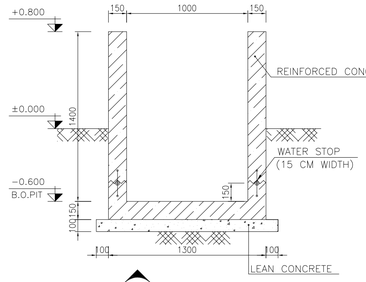
FUEL TANK AREA FOUNDATION FORMWORK

1:100 (1)



OIL GATHERING PIT

1:25 (5)



FORMWORK

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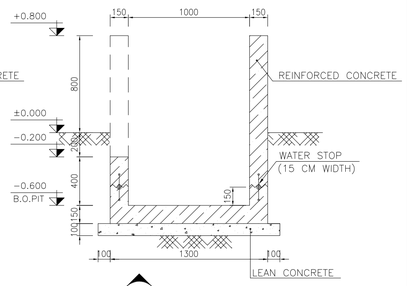

FORMWORK

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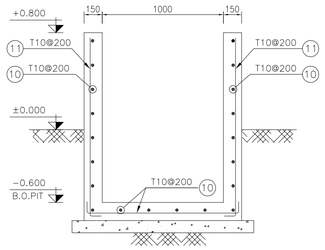
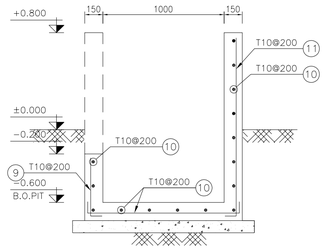


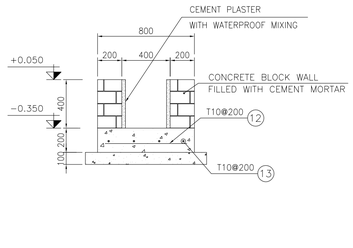
REINFORCEMENT

1:25 (8)



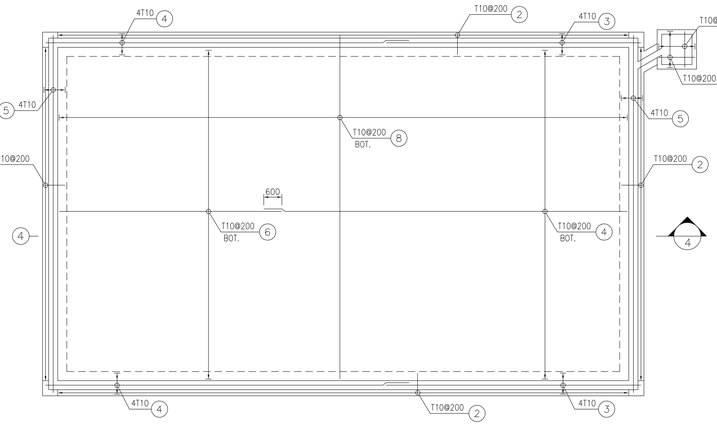
REINFORCEMENT

1:25 (9)



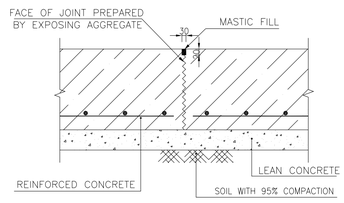
TYPICAL SECTION OF PIPE TRENCH

1:25 (10)



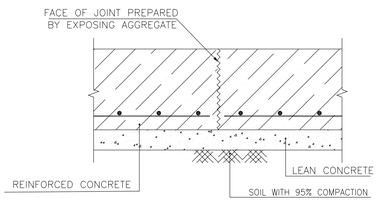
FUEL TANK AREA FOUNDATION REINFORCEMENT

1:100 (2)



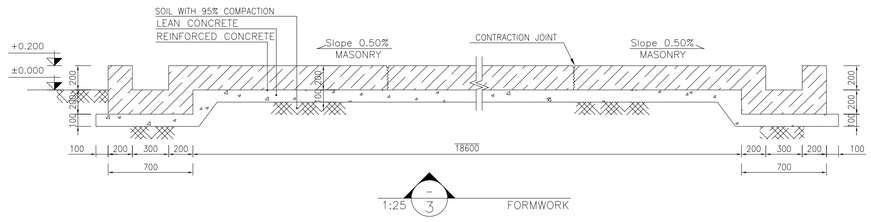
TYPICAL CONTRACTION JOINT EVERY 4000

N.T.S. (11)



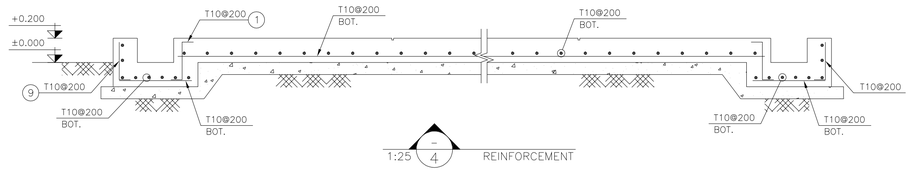
TYPICAL CONSTRUCTION JOINT

N.T.S. (12)



FORMWORK

1:25 (3)



REINFORCEMENT

1:25 (4)

Pos	Spec.	Shape	L/A	No.	T10
1	T10	150 1250 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 1250	1.400	314	439.600
10	T10	1150	1.15	37	42.550
11	T10	150 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/m2)					4032.17
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					2487.85
GRAND TOTAL (Kg)					2500 Kg.

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/mm^2
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
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE
EXISTING CONCRETE AREA

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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

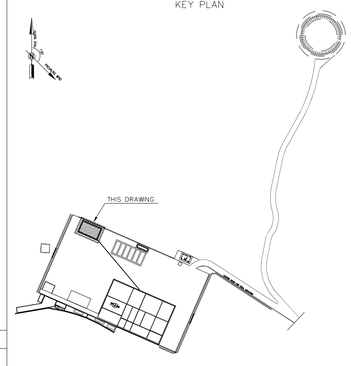


TABLE 2
(CORNERS COORDINATES)

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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	8 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس 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

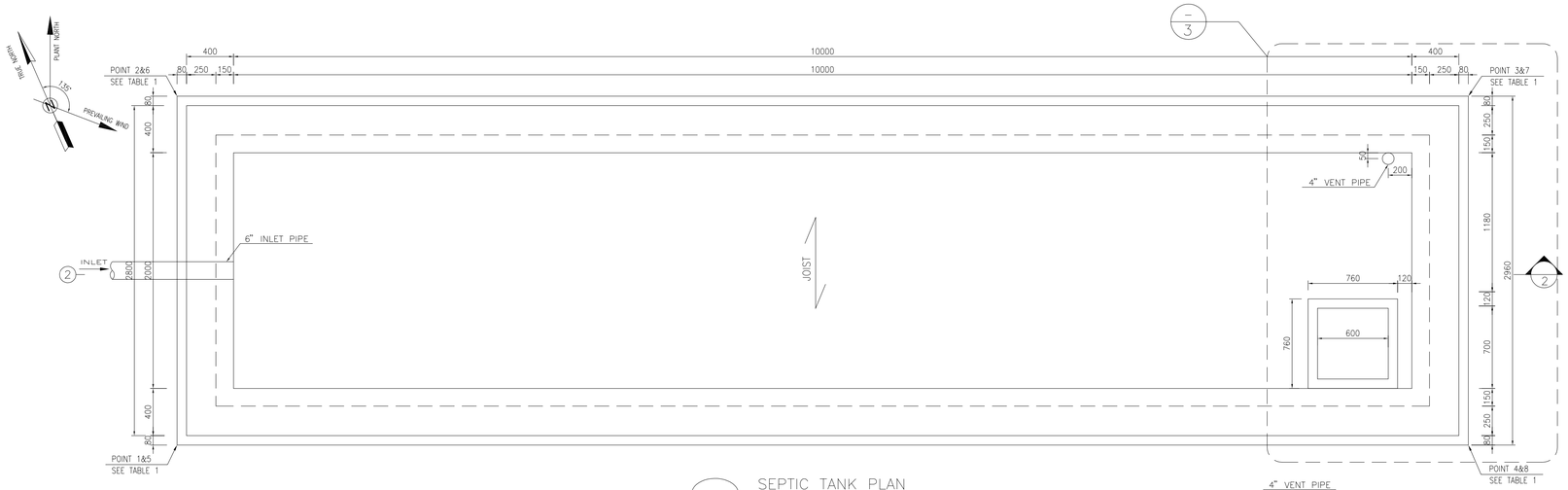
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

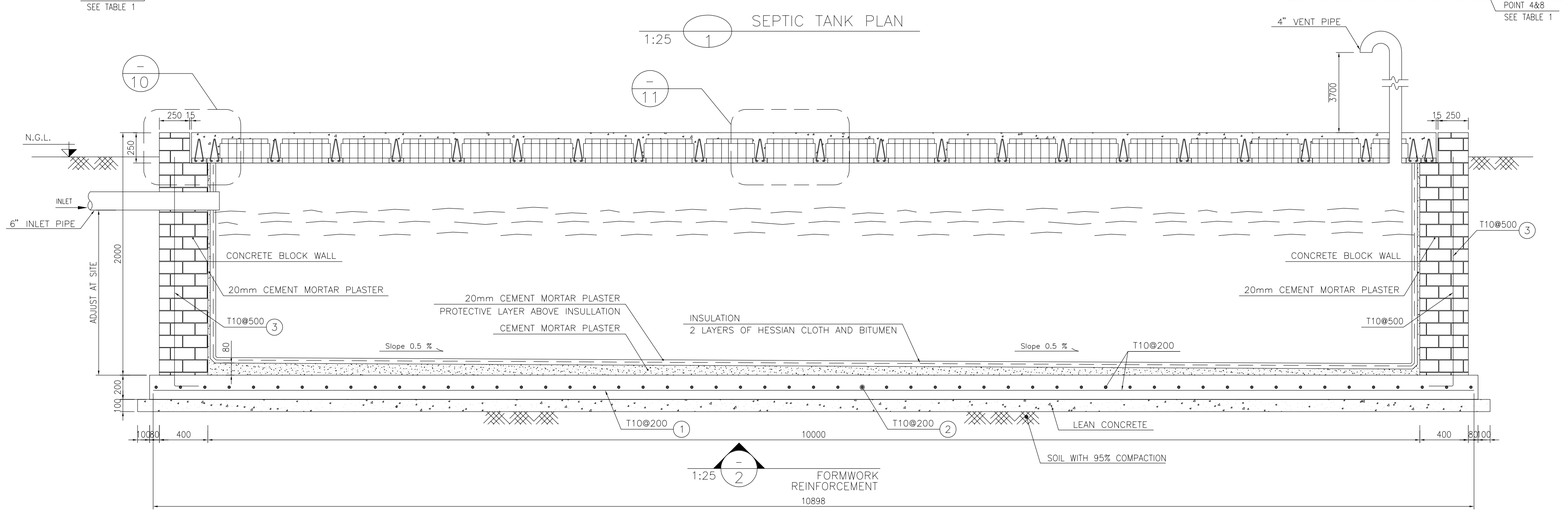
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	8	D05



1:25 — 1 — SEPTIC TANK PLAN



1:25 — 2 — FORMWORK REINFORCEMENT

TABLE 1 (CORNERS COORDINATES)		
POINT 1	E=437853.685	N=3295058.601
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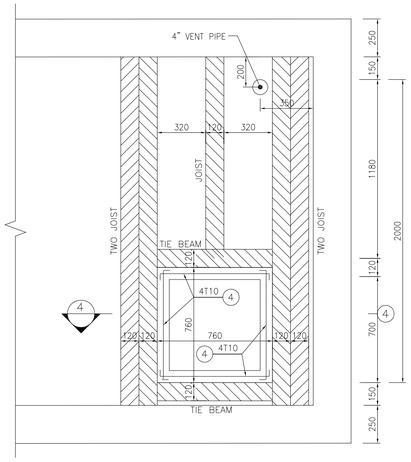
POINT 3	E=437864.915	N=3295056.939
POINT 4	E=437863.734	N=3295054.225



1:20 — 3 — TYPICAL SECTION

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B.O.P.	BOTTOM OF PIPE
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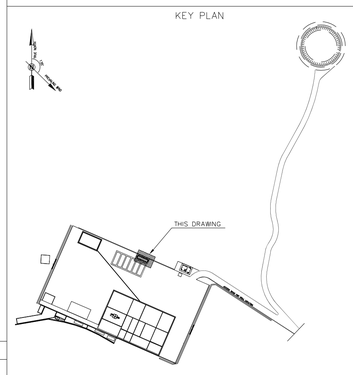
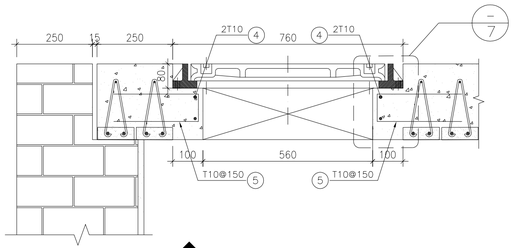
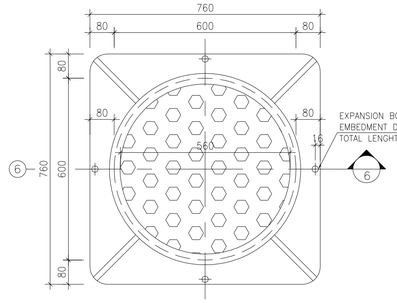
KEY PLAN

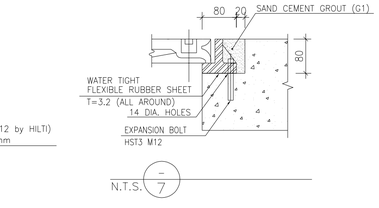




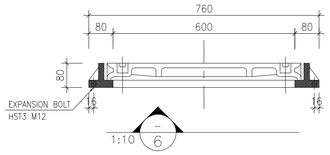
1:10 — 4



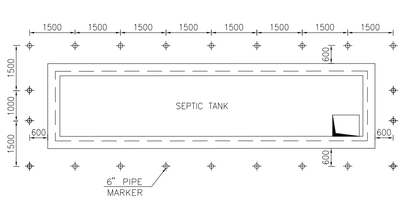
1:10 — 5 — DUCTILE IRON DETAIL
HEAVY DUTY DUCTILE IRON COATED FLAT COVERS AND FRAMES



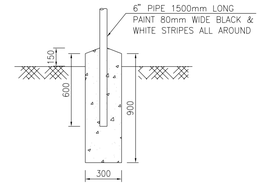
N.T.S.



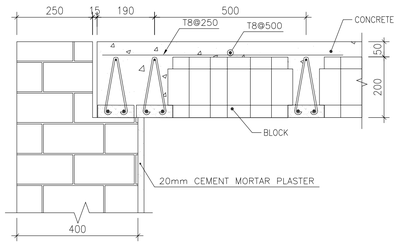
1:10



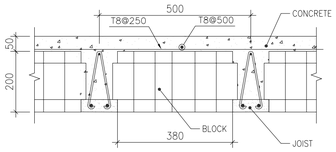
1:100 — ARRANGMENT OF MARKERS



1:25 — DETAIL OF MARKERS



1:10



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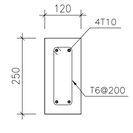
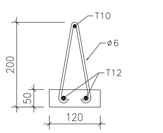


1:10 — TYPICAL SEC. OF TIE BEAM



1:10 — JOIST DETAIL

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/m2)					453.80
UNIT WEIGTH (Kg)					0.617
WEIGTH (Kg)					280
GRAND TOTAL (Kg)					280

REV.	DATE	DESCRIPTION	BY	CHECKED	DATE	BY	REV. APPR.	DATE
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**		
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

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY (PEDCO)

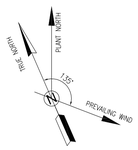
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

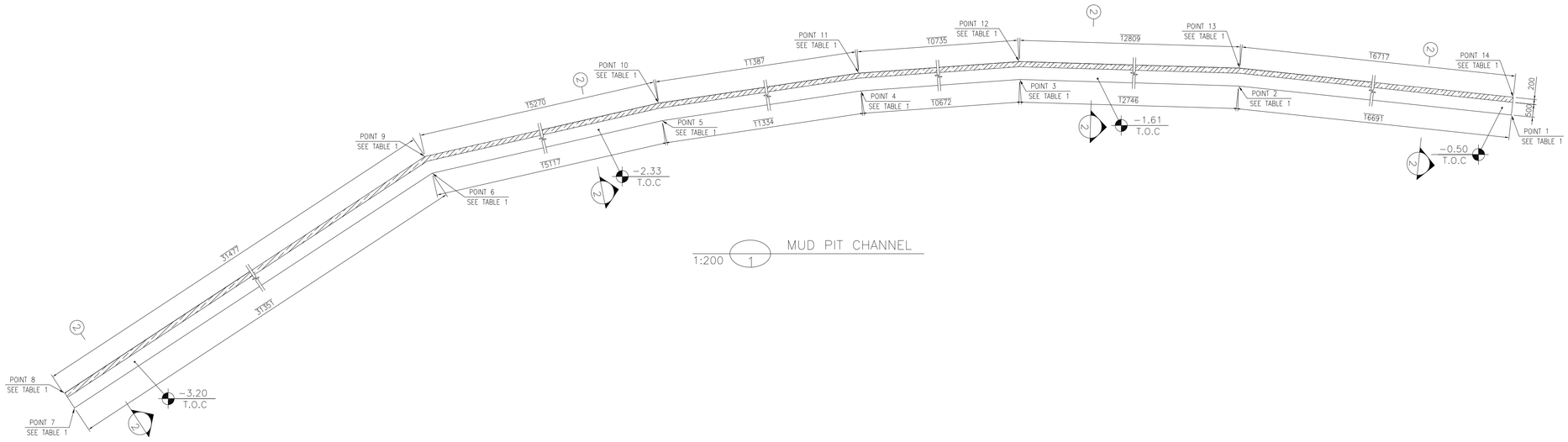
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

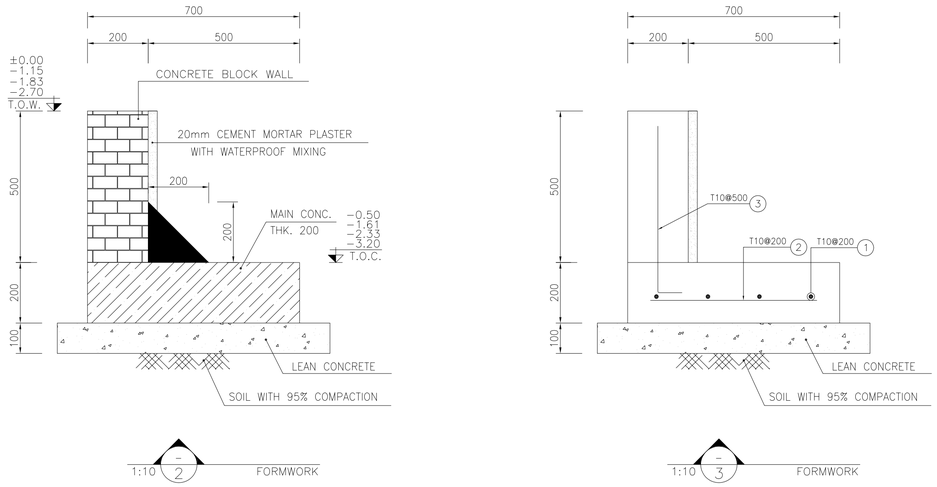
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

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	D05	053-073-9184	F	4	S	708209	9	D05





1:200 (1) MUD PIT CHANNEL



1:10 (2) FORMWORK

1:10 (3) FORMWORK

TABLE 1 (CORNERS COORDINATES)		
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	0.600	500	300.000
3	T10	150 450	0.600	200	120.000
TOTAL LENGTH OR AREA (m/m2)					860.000
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					516.00
GRAND TOTAL (Kg)					520 Kg.

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/mm^2
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

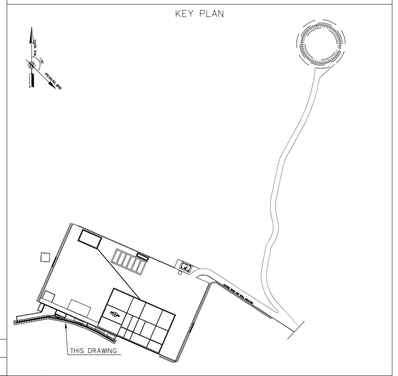
LEGEND AND ABBREVIATION

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

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PEDCO - PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

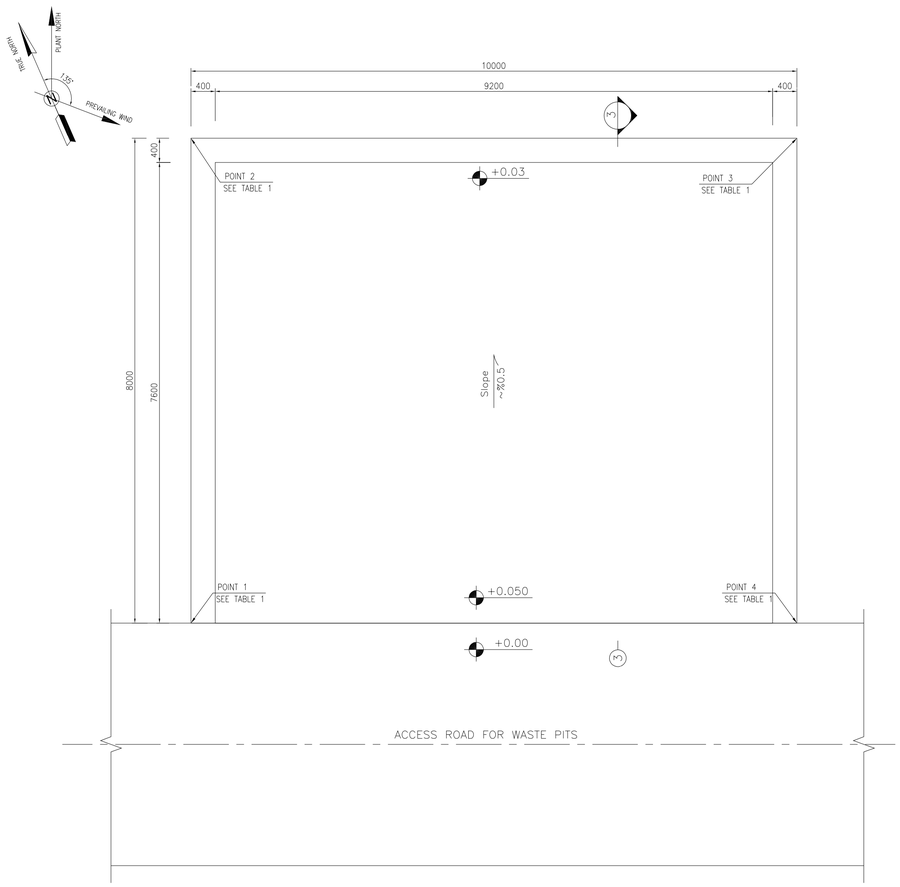
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

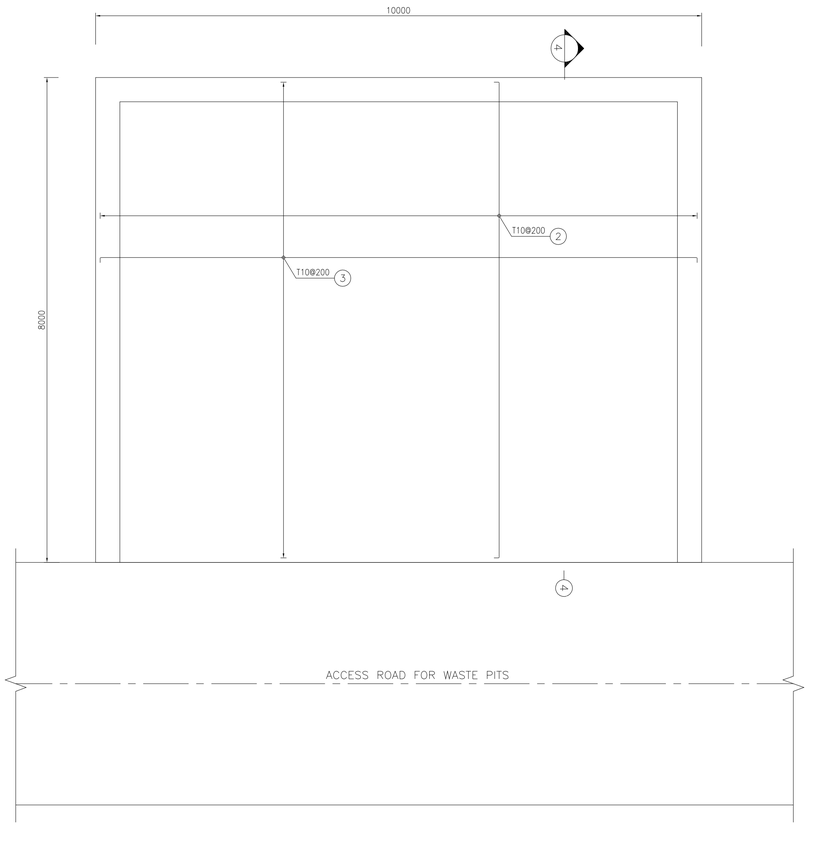
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	10 OF 98	D05

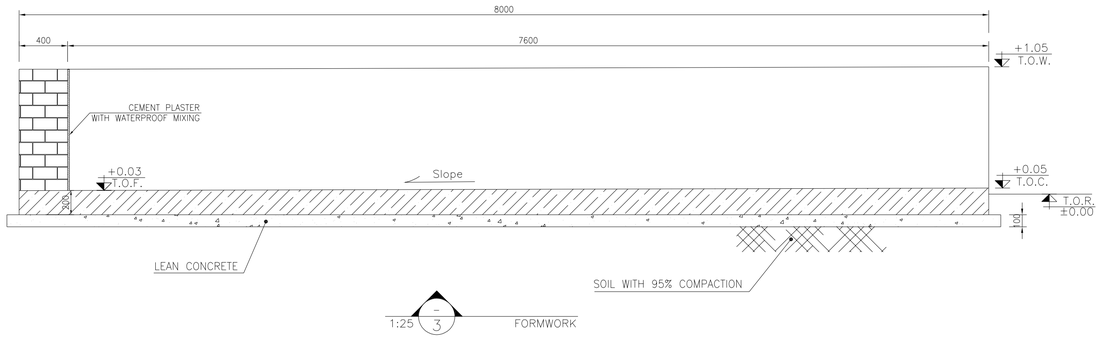
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	10	D05



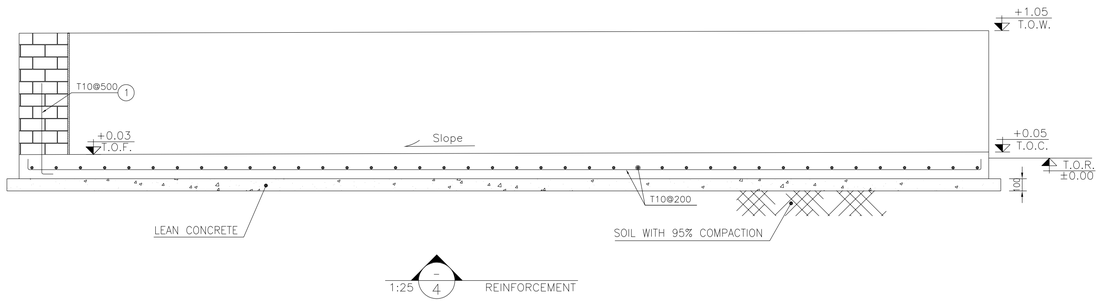
1:50 (1) TREATMENT PAD PLAN FORMWORK



1:100 (2) TREATMENT PAD PLAN REINFORCEMENT



1:25 (3) FORMWORK



1:25 (4) REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 / 1500	1.700	54	91.800
2	T10	200 / 7850 / 200	8.250	51	420.750
3	T10	200 / 9850 / 200	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 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

NOTES

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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/mm^2
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

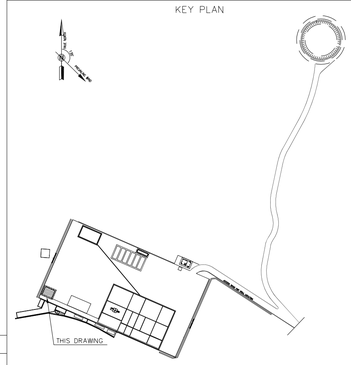
LEGEND AND ABBREVIATION

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

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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 SWCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWCHGEAR 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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PEDCO PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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

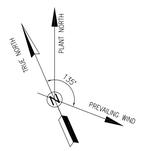
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	11 OF 98	D05

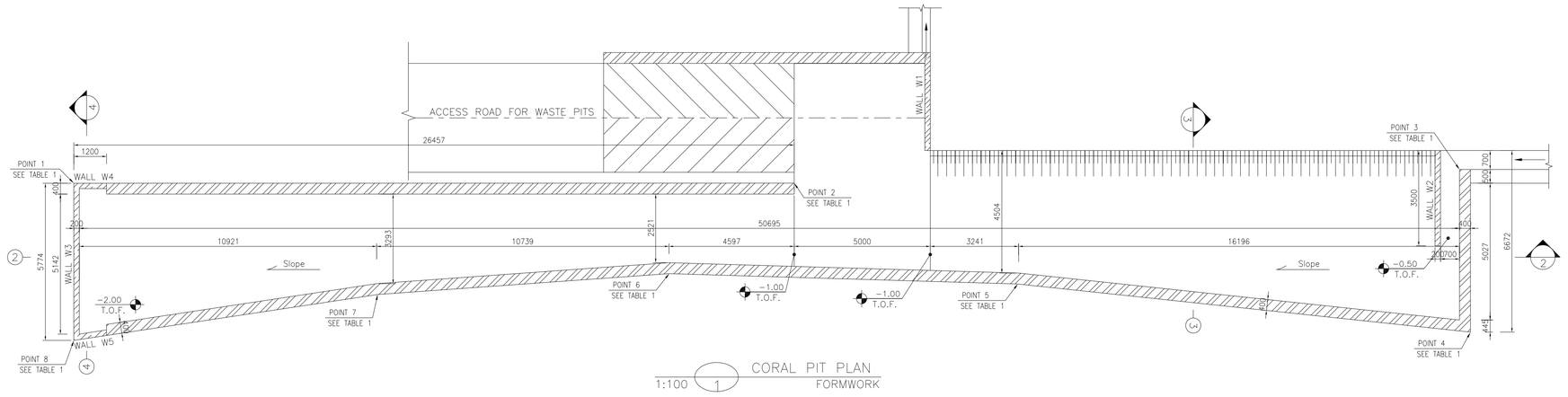
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

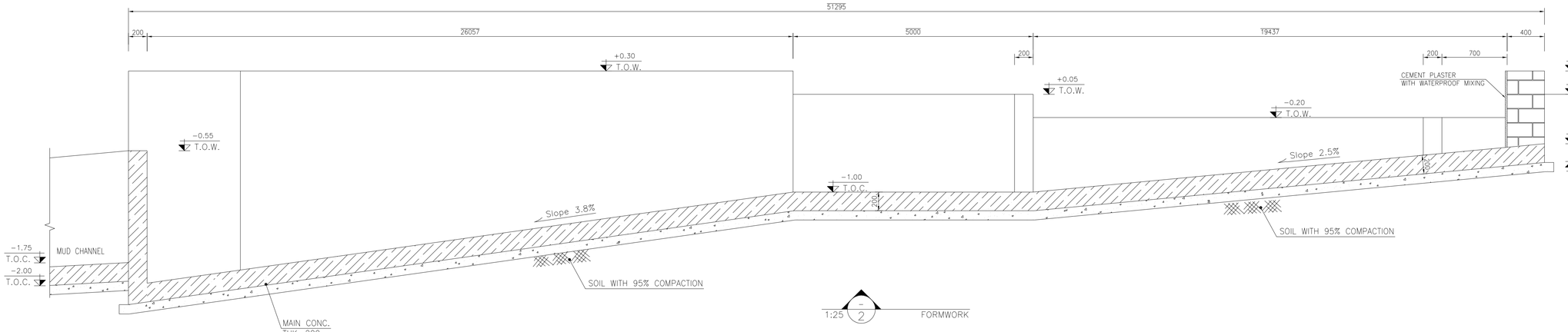
APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	11	D05

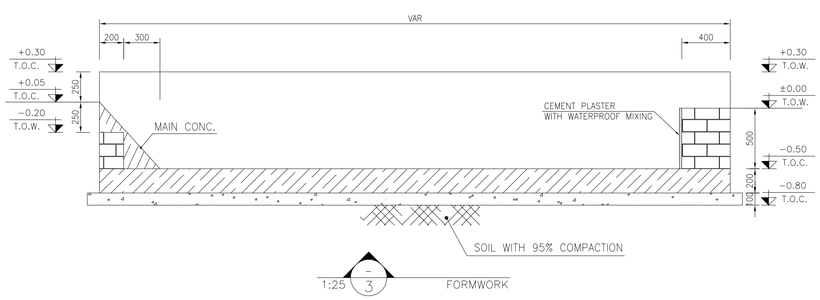




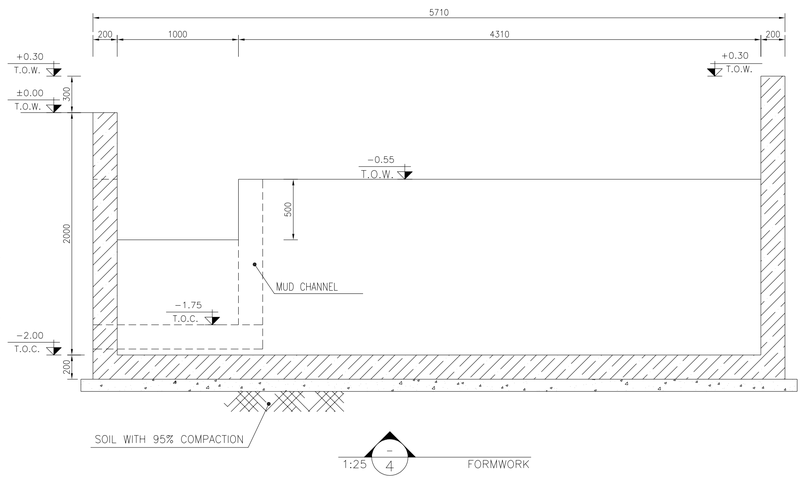
1:100 1 CORAL PIT PLAN FORMWORK



1:25 2 FORMWORK



1:25 3 FORMWORK



1:25 4 FORMWORK

TABLE 1 (CORNERS COORDINATES)		
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

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/mm^2
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
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE
EXISTING CONCRETE AREA

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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
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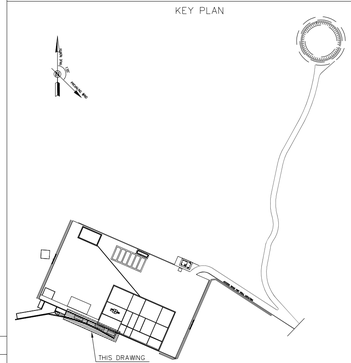
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	** **
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D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **

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

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 PEDCO

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	12 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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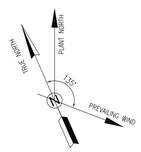
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

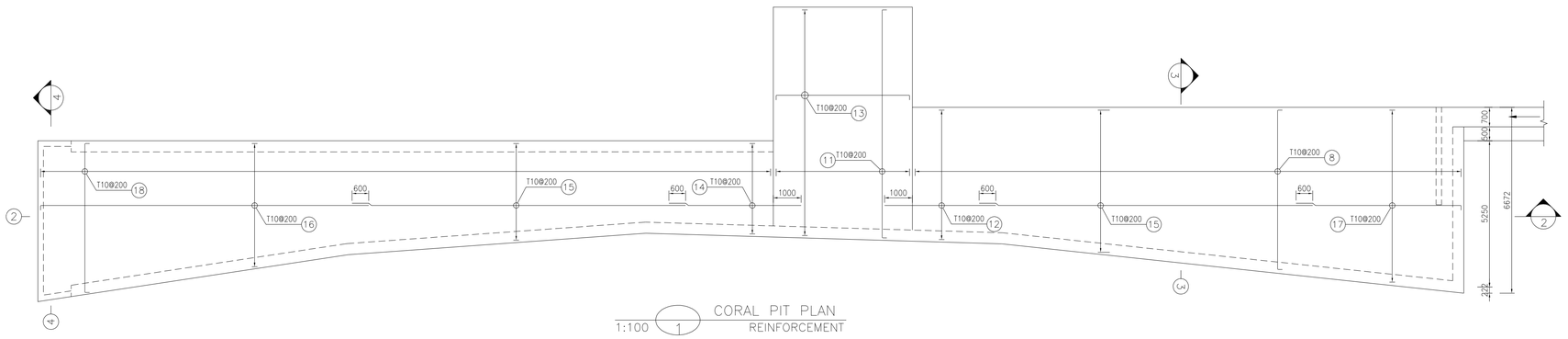
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	12	D05





CORAL PIT PLAN
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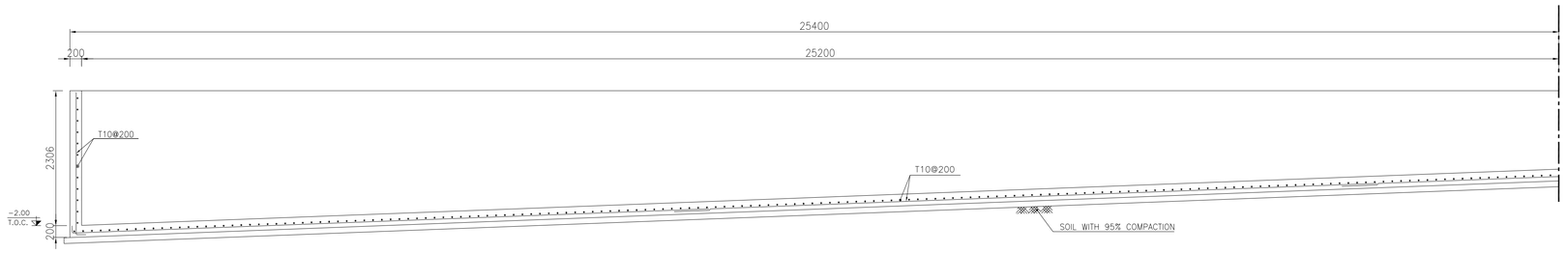

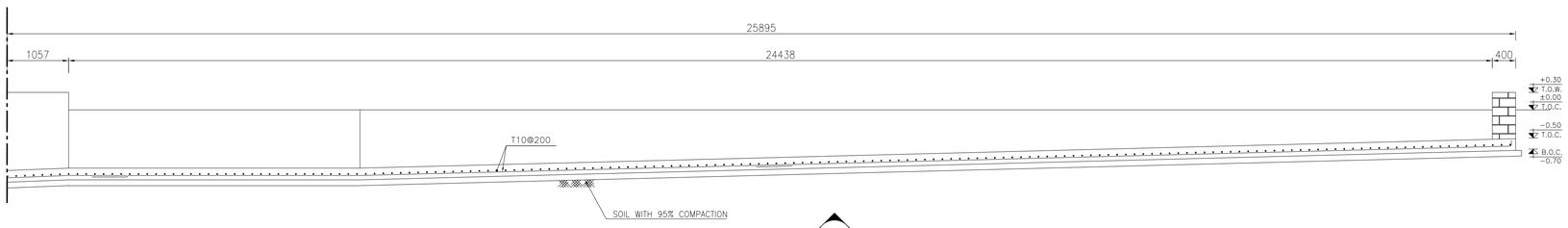

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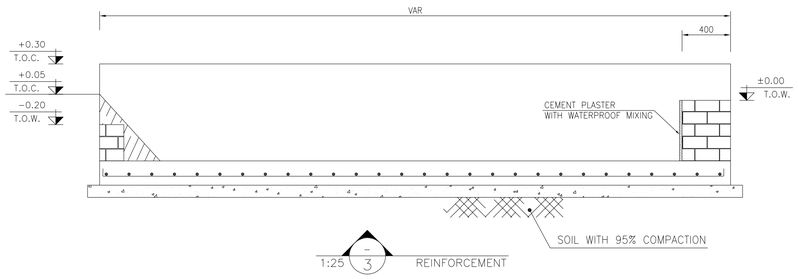

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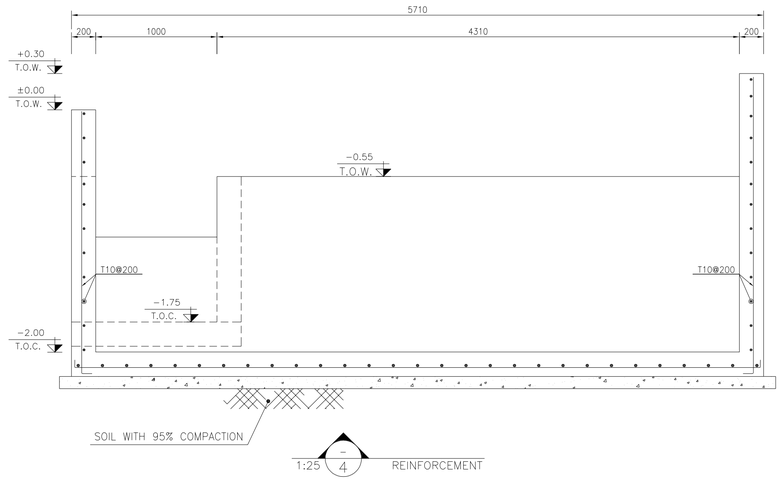

1:25 (4) REINFORCEMENT

NOTES

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	GRAVEL
	SUB GRADE
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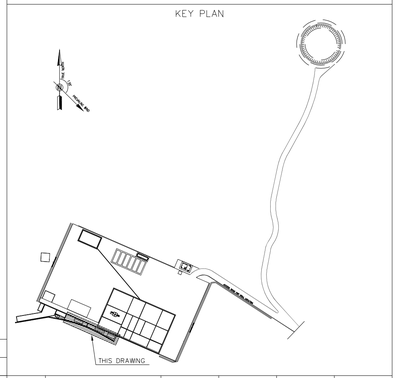
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**

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

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

PROJECT NO.: 971020

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

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EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

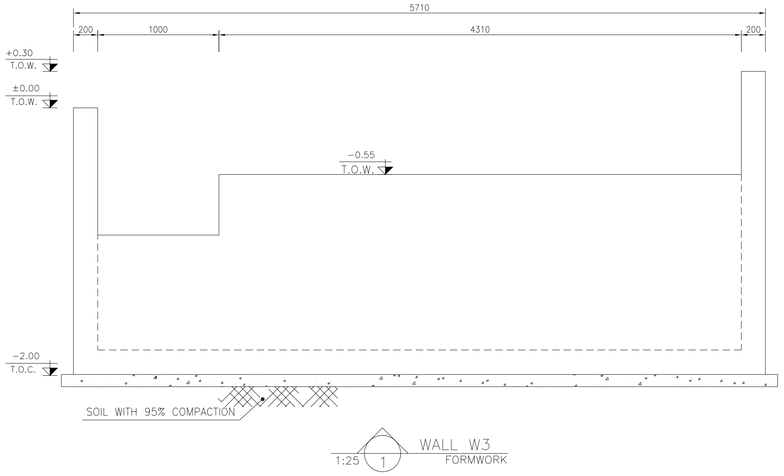
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
SECTION REINFORCEMENT PLAN

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

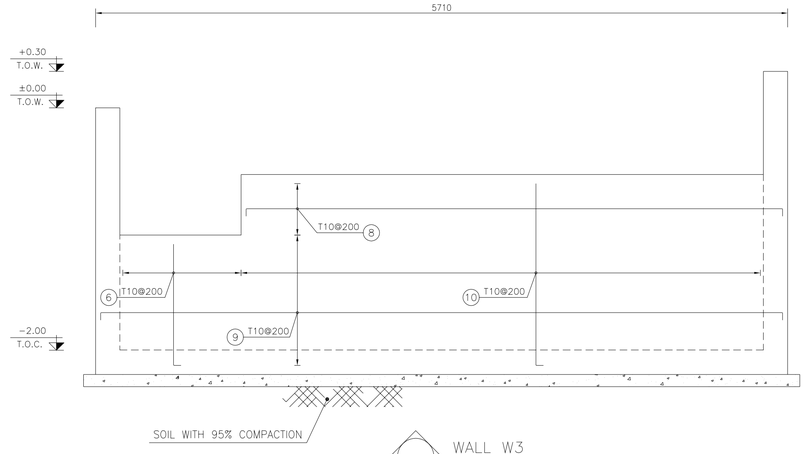
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	13 OF 98	D05

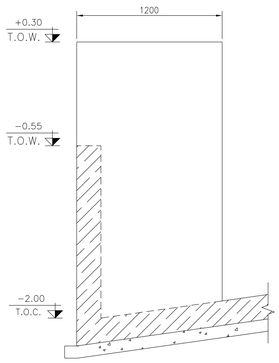
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	13	D05



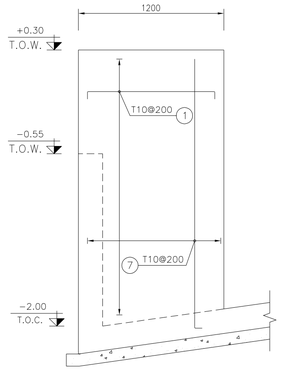
1:25 1 WALL W3 FORMWORK



1:25 2 WALL W3 REINFORCEMENT



1:25 3 WALL W4 FORMWORK



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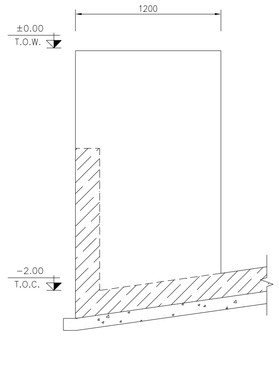
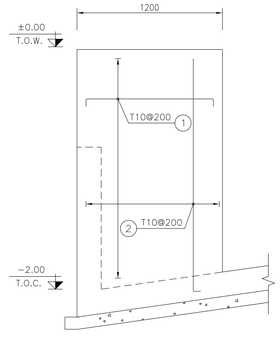


1:25 5 WALL W5 FORMWORK



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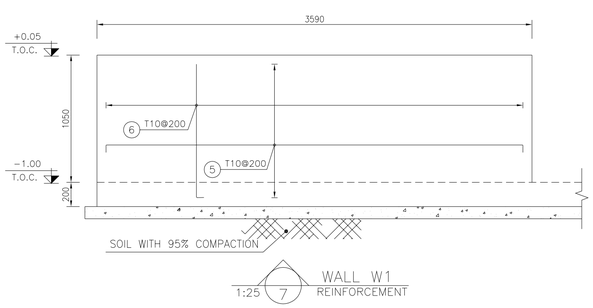
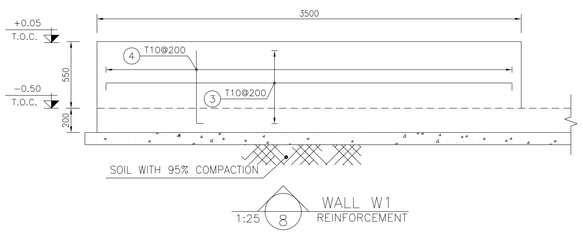


1:25 7 WALL W1 REINFORCEMENT



1:25 8 WALL W1 REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 1050 200	1.450	84	121.800
2	T10	200 2000	2.200	8	17.600
3	T10	200 3350 200	3.750	4	15.000
4	T10	200 600	0.800	18	14.400
5	T10	200 3440 200	3.840	7	26.880
6	T10	200 1000	1.200	14	16.800
7	T10	200 2300	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	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	12.000	28	336.000
17	T10	200 6000	6.200	34	210.800
18	T10	200 5500 200	5.900	133	784.700
TOTAL LENGTH OR AREA (m/m2)					3774.28
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					2328.73
GRAND TOTAL (Kg)					2329 Kg.

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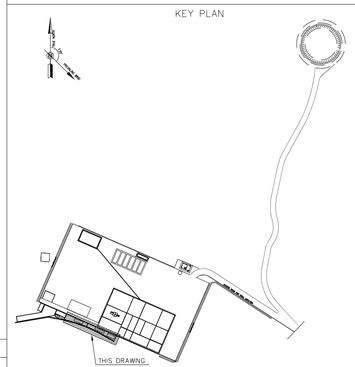
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE 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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED		REV. APPR.	
		BY	DATE	BY	DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	14 OF 98	D05

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

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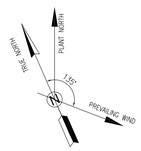
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

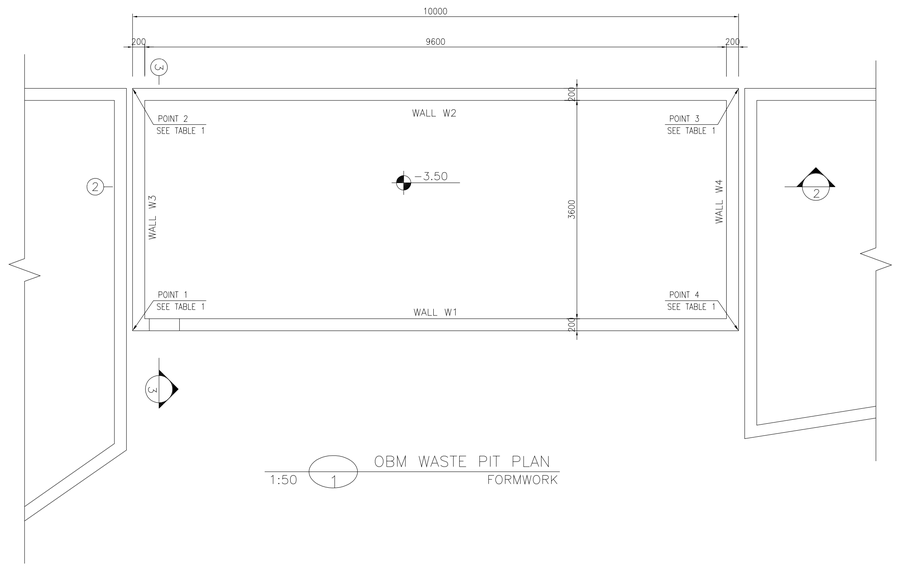
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

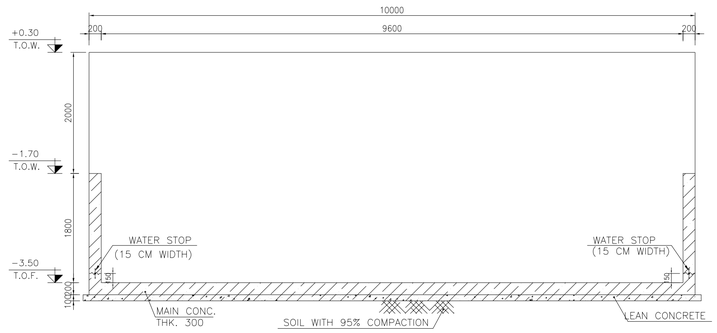
APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	14	D05

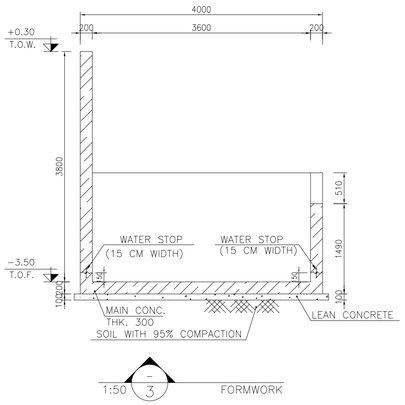




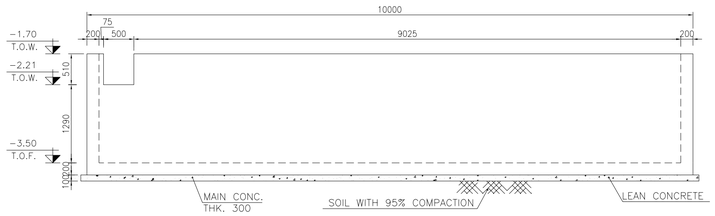
1 OBM WASTE PIT PLAN FORMWORK
1:50



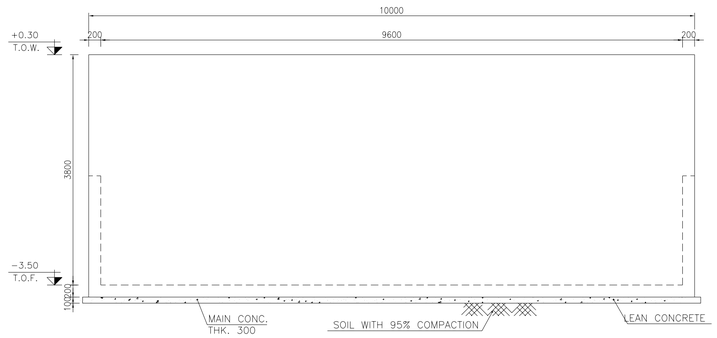
2 FORMWORK
1:50



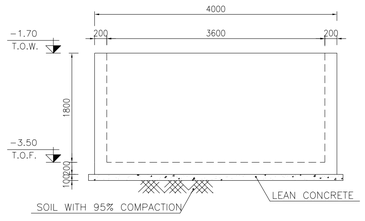
3 FORMWORK
1:50



4 WALL W1 FORMWORK
1:50



5 WALL W2 FORMWORK
1:50



6 WALL W3&W4 FORMWORK
1:50

TABLE 1 (CORNERS COORDINATES)		
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

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/mm^2
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

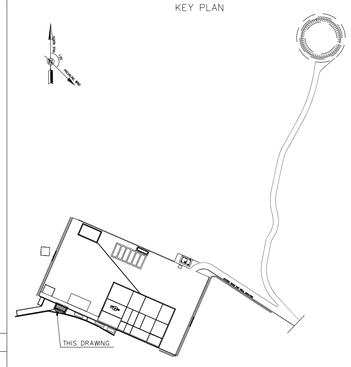
LEGEND AND ABBREVIATION

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

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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 SWCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWCHGEAR 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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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

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EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY (PEDCO)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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

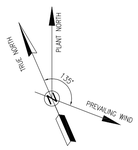
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

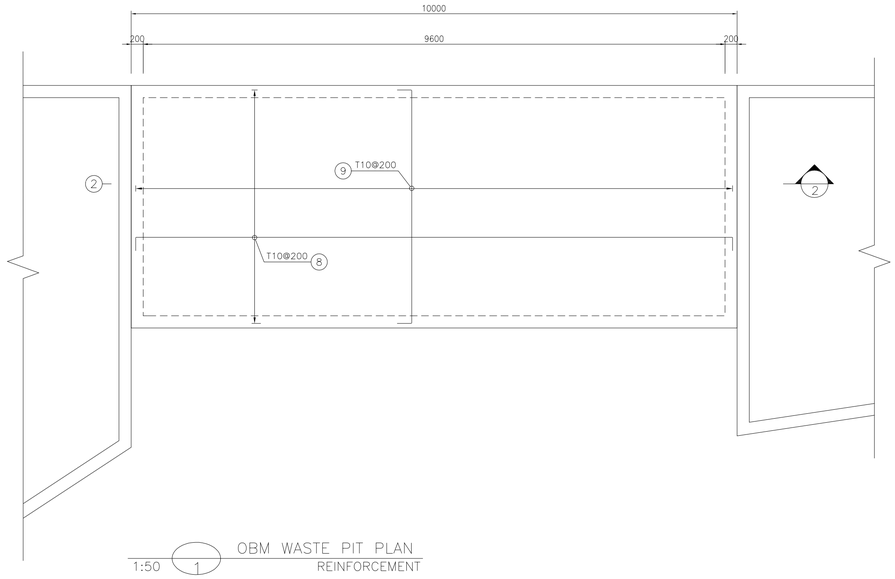
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

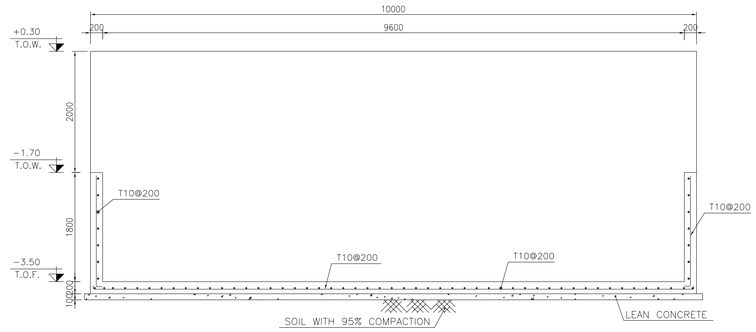
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	15 OF 98	D05

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	15	D05





1:50 (1) OBM WASTE PIT PLAN REINFORCEMENT



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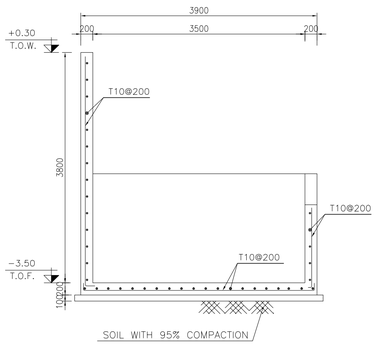
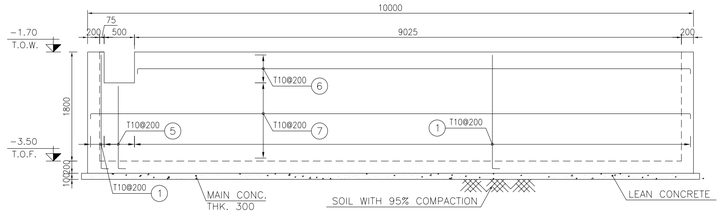
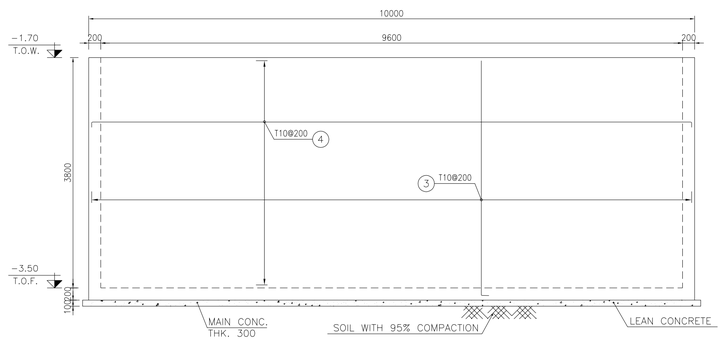


1:50 (3) REINFORCEMENT



1:50 (4) WALL W1 REINFORCEMENT



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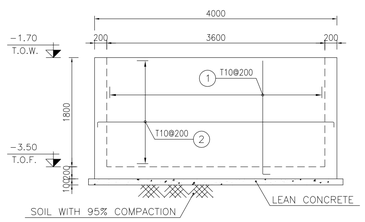

1:50 (6) WALL W3&W4 REINFORCEMENT

NOTES

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BASED ON No.3758 NATIONAL STANDARD CODE:
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THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
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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
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE
EXISTING CONCRETE AREA

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-GNRAL-PEDCO-000-CV-SP-0003
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GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
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STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
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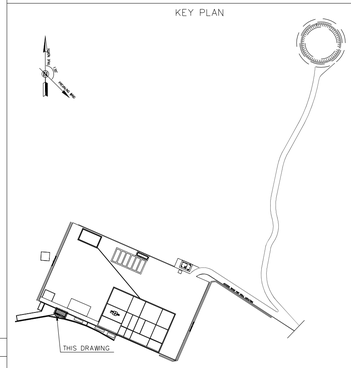
STRUCTURAL DRAWING FOR SWICHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

Pos	Spec.	Shape	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/m2)					1206.65
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					744.50
GRAND TOTAL (Kg)					745 Kg.

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	** **
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

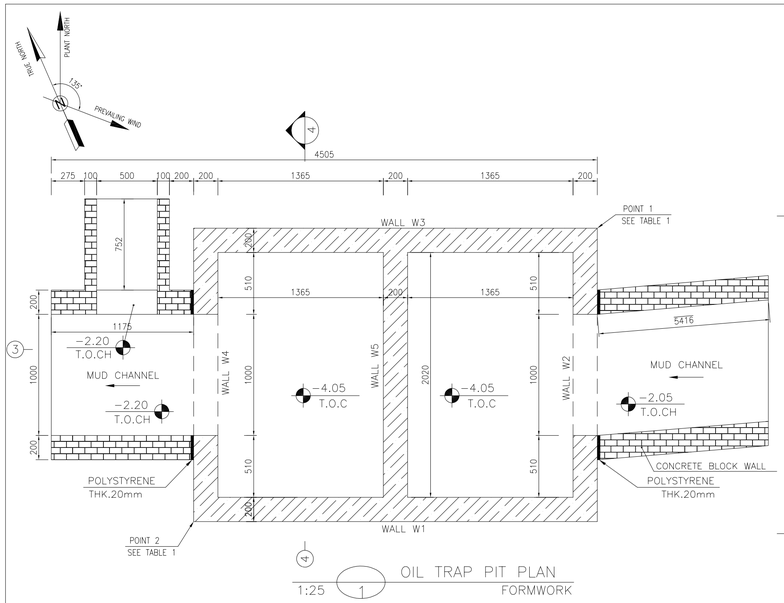
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

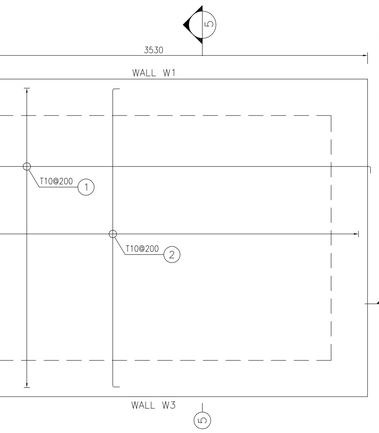
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
OBM WASTE PIT REINFORCEMENT PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	16 OF 98	D05

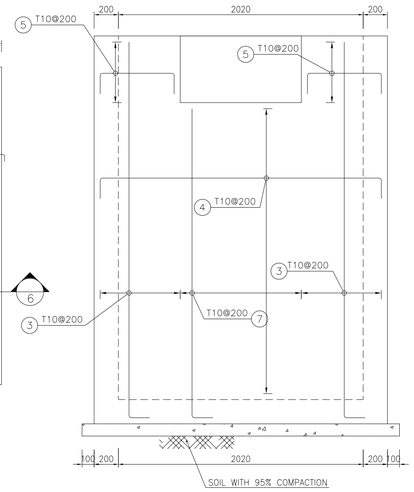
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	16	D05



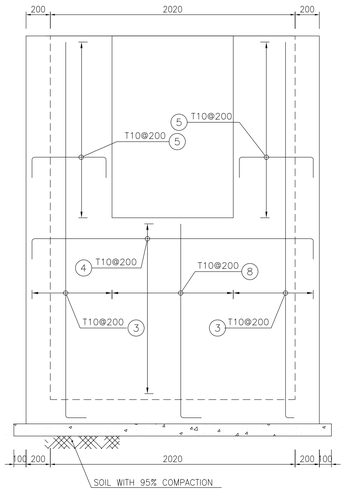
4 — 1:25 (1) OIL TRAP PIT PLAN FORMWORK



1:25 (2) OIL TRAP PIT PLAN REINFORCEMENT



1:25 (8) WALL W2 REINFORCEMENT



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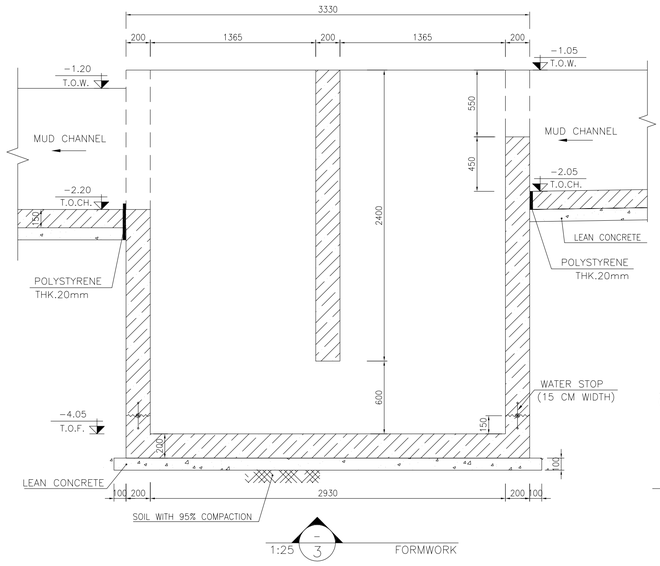

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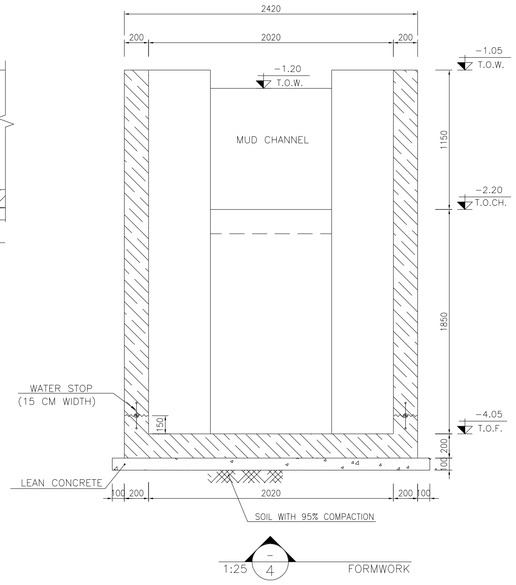

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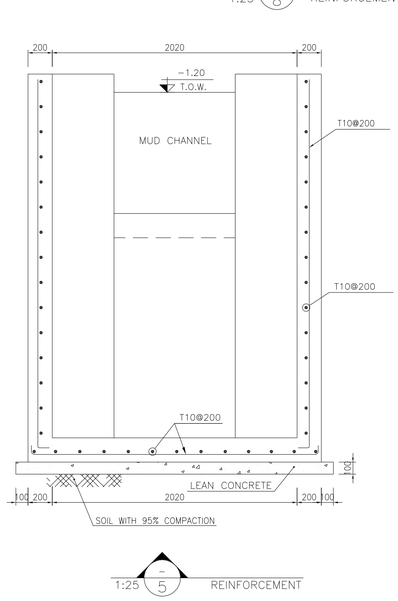

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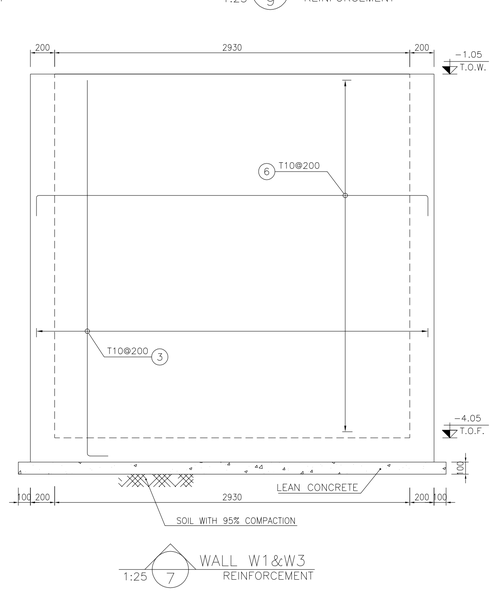
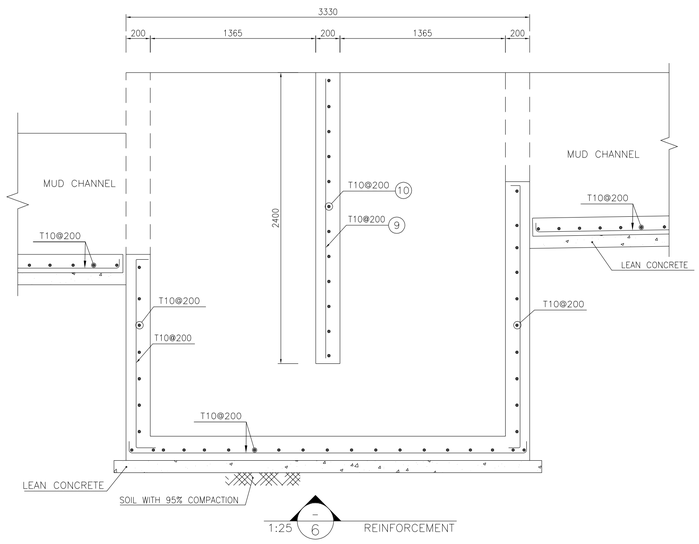


1:25 (7) WALL W1&W3 REINFORCEMENT



1:25 (6) REINFORCEMENT

TABLE 1 (CORNERS COORDINATES)		
POINT 1		
POINT 2		

Pos	Spec.	Shape	L/A	No.	T10
1	T10	150 — 3400 — 150	3.700	14	51.800
2	T10	150 — 2470 — 150	2.770	19	52.630
3	T10	150 — 3100	3.250	111	360.750
4	T10	150 — 2320 — 150	2.620	39	102.180
5	T10	150 — 610 — 150	0.910	48	43.680
6	T10	150 — 3230 — 150	3.530	72	254.160
7	T10	150 — 2550	2.700	12	32.400
8	T10	150 — 1600	1.750	12	21.000
9	T10	2400	2.400	11	26.400
10	T10	2050	2.050	13	26.650
TOTAL LENGTH OR AREA (m/m2)					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

NOTES

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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/mm^2
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.
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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

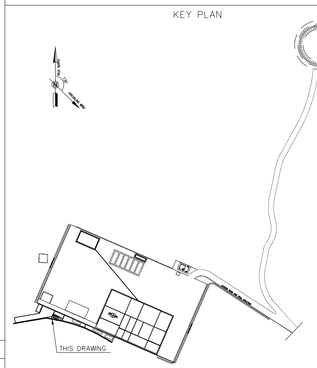
LEGEND AND ABBREVIATION

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

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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	** **
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	** **	*** ****	** **	*** ****

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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
OIL TRAP PIT FORMWORK & REINFORCEMENT PLAN-SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	17 OF 98	D05

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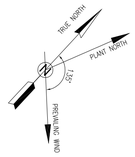
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

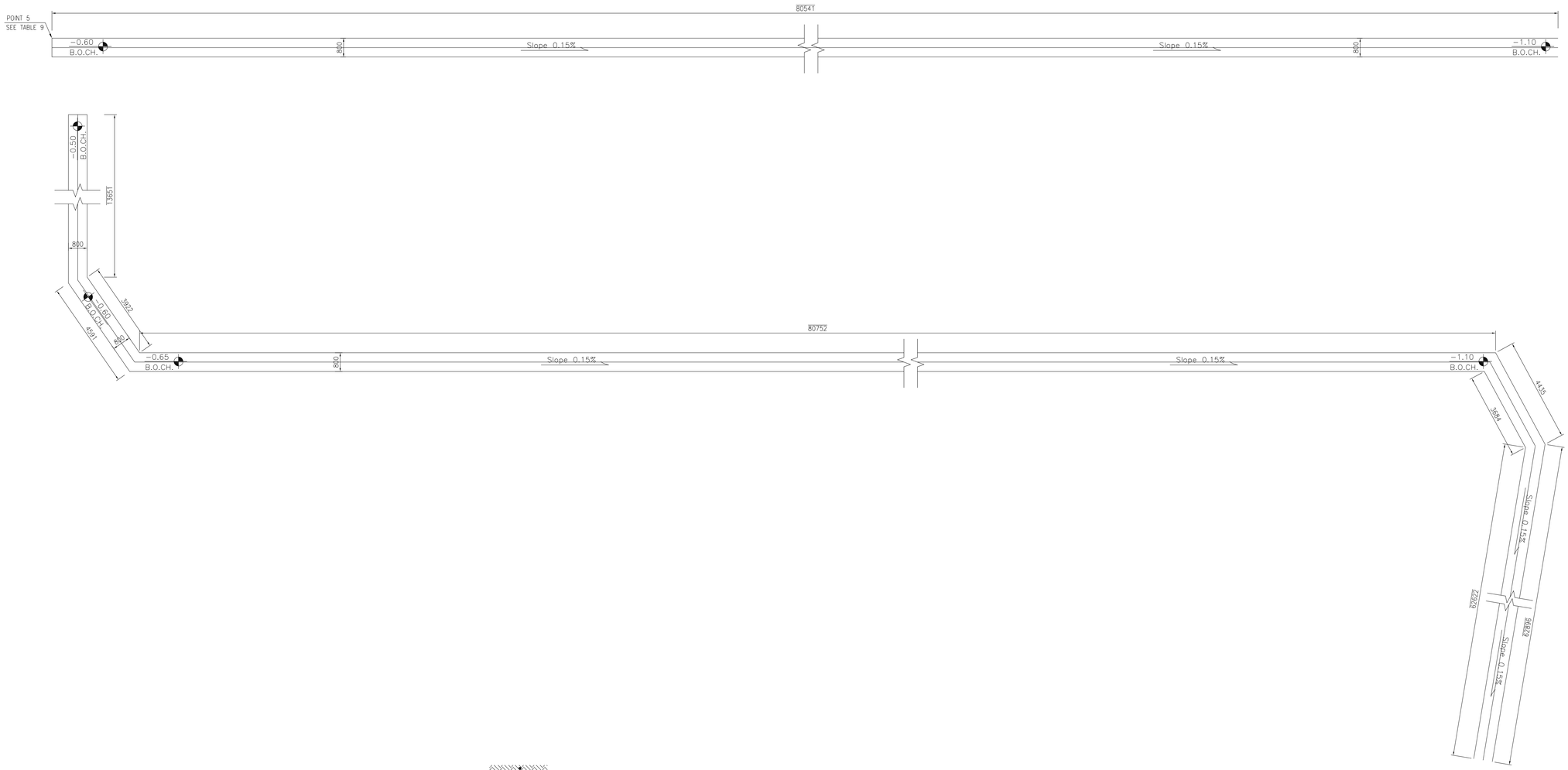
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

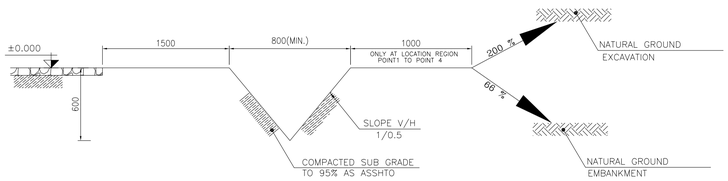
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	17	D05







N.T.S. 2 FORMWORK

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GLOSS : DULL
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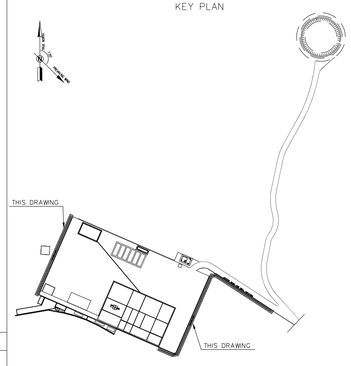
KEY PLAN



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REV.	DESCRIPTION	CHECKED BY	DATE	REV. APPR. BY	DATE
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

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

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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
WATER CHANNEL FORMWORK PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

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AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	18 OF 98	D05

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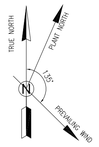
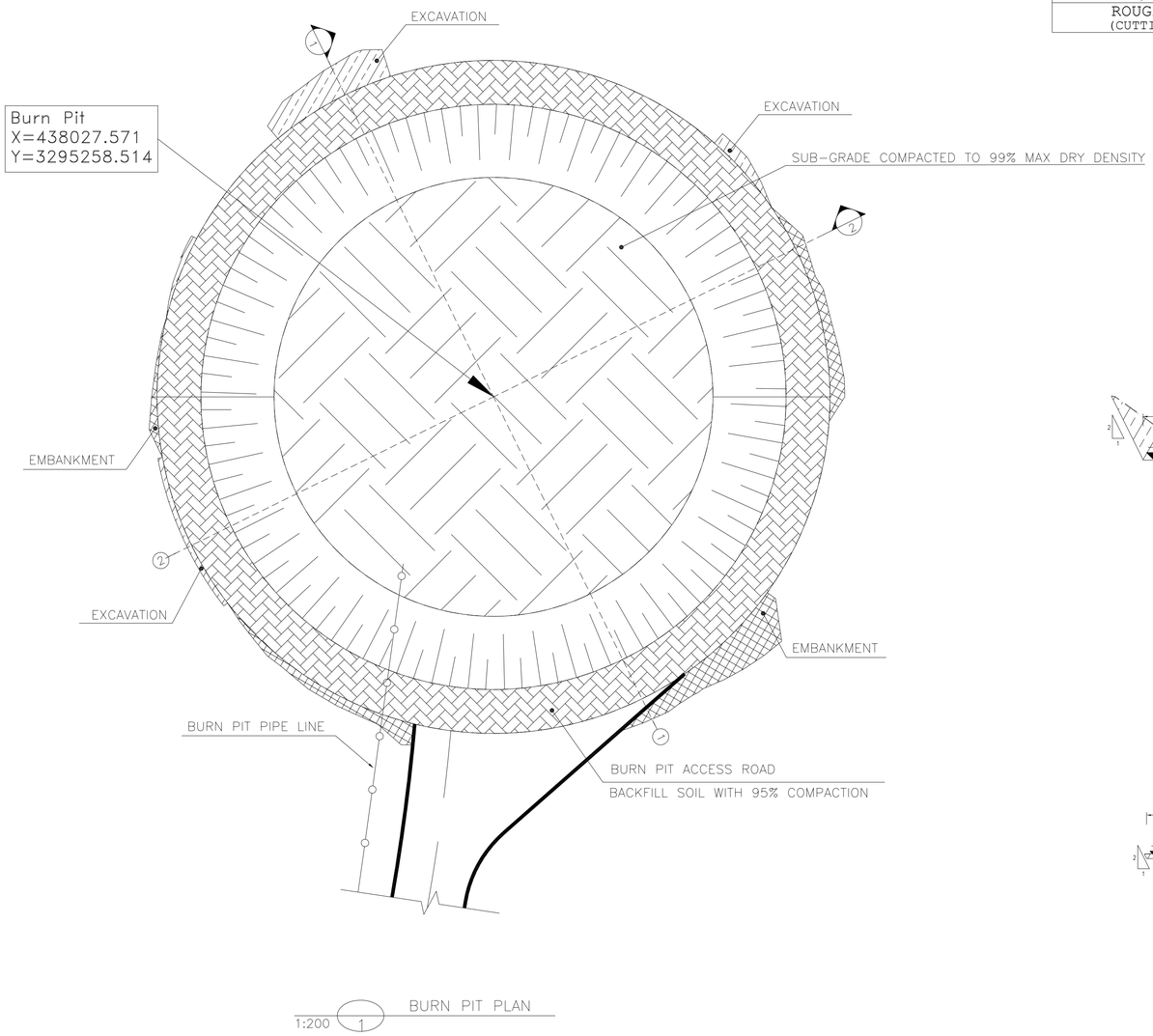


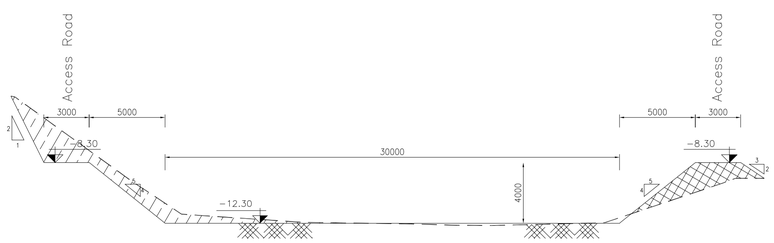


BURN PIT PLAN
1:200 (1)

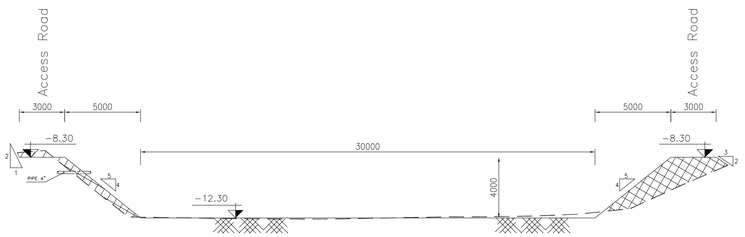
Cut/Fill Summary

Name	Cut Factor	Fill Factor	Cut	Fill
ROUGH GRADING (LOCATION-BK14)	**1.000**	**1.000**	8069.86 Cu. M.	259.41 Cu. M.
ROUGH GRADING (BURN PIT AREA-BK14)	**1.000**	**1.000**	585.41 Cu. M.	633.71 Cu. M.
ROUGH GRADING (WASTE PIT)	**1.000**	**1.000**	320.74 Cu. M.	0.00 Cu. M.
ROUGH GRADING (CUTTING DISPOSAL)	**1.000**	**1.000**	42.54 Cu. M.	0.00 Cu. M.

Cut and Fill Volume Table



1:200 (1)



1:200 (2)

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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

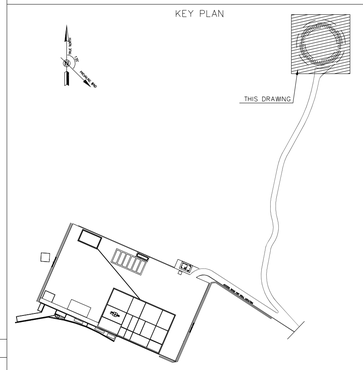
LEGEND AND ABBREVIATION

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

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.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-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-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-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

اصل و کلیه نسخ این نقشه و حق اقتباس 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

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

PROJECT NO.: 971020

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

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY — PEDCO

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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

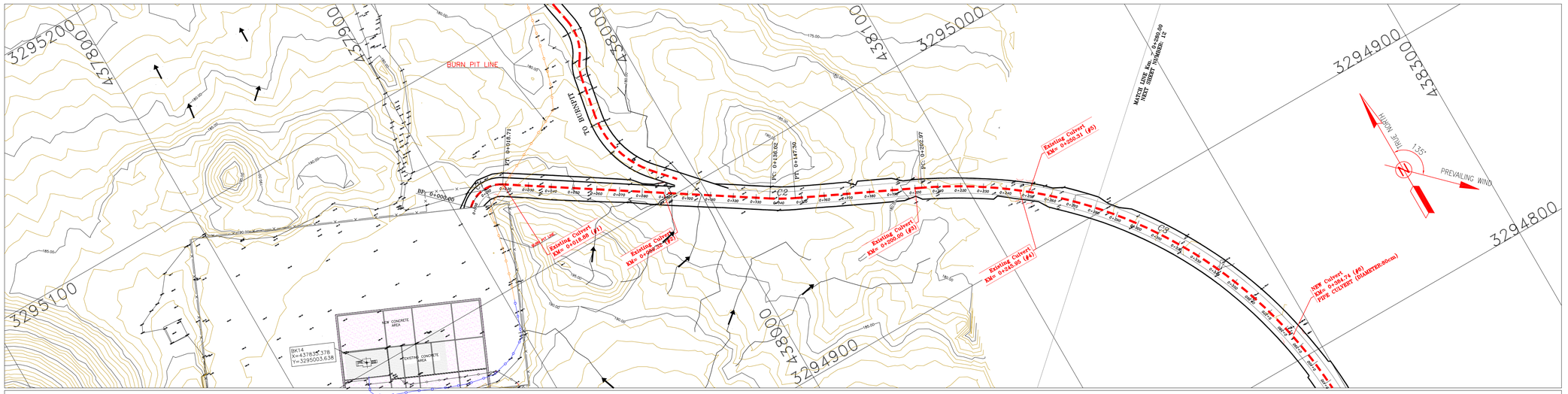
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

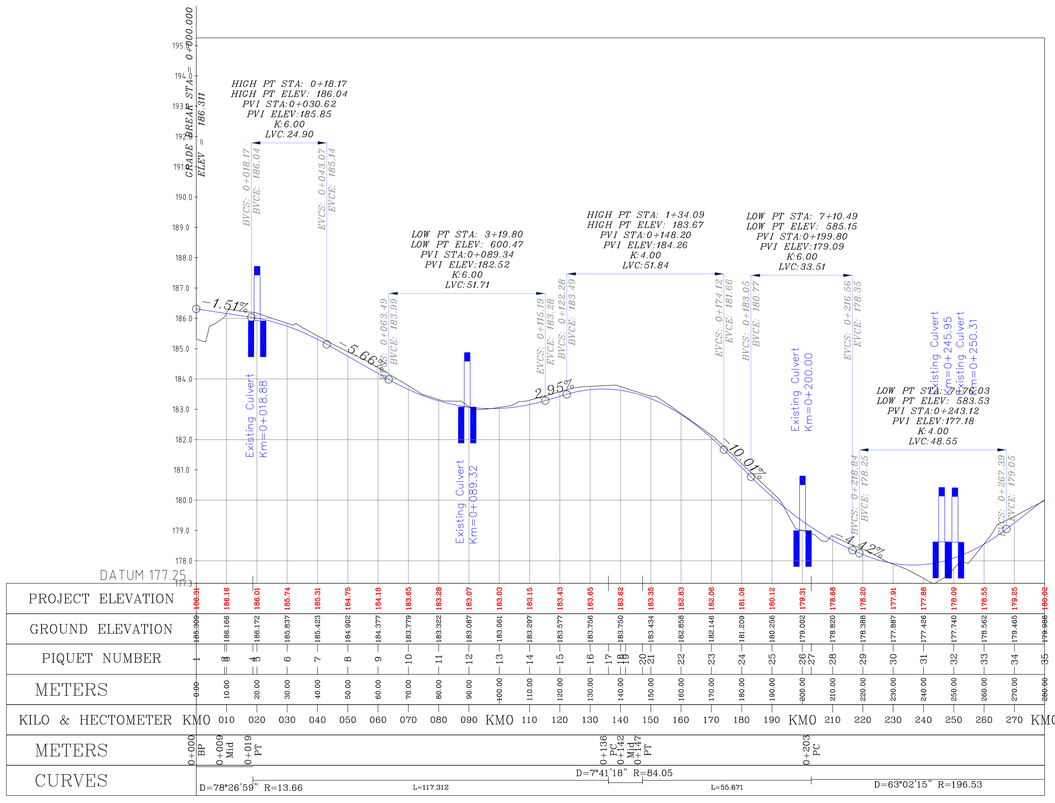
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	19 OF 98	D05

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	19	D05





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
8–THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

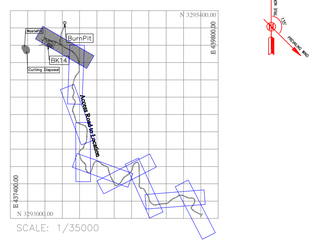
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
ROAD WIDENING AREA
CANAL
RIVER
WATER COURSE
CONTOURS (60 / 50)
99.27 SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT
OIL LINE
BURN PIT LINE
NEW BURN PIT LINE

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–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
PVI= POINT OF VRTICAL 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



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	3294975.53	438025.94
0+150.00	3294970.97	438034.83
0+160.00	3294966.69	438043.87
0+170.00	3294962.41	438052.91

0+180.00	3294958.14	438061.95
0+190.00	3294953.86	438070.99
0+200.00	3294949.58	438080.03
0+210.00	3294945.19	438089.01
0+220.00	3294940.37	438097.77
0+230.00	3294935.10	438106.27
0+240.00	3294929.42	438114.49
0+250.00	3294923.32	438122.42
0+260.00	3294916.82	438130.02
0+270.00	3294909.95	438137.28
0+280.00	3294902.72	438144.19

PI Station	Northing	Easting
0+000.00	3295039.68	437907.01
0+011.15	3295047.62	437914.83
0+141.67	3294974.54	438027.29

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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**

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

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 – PEDCO

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	20 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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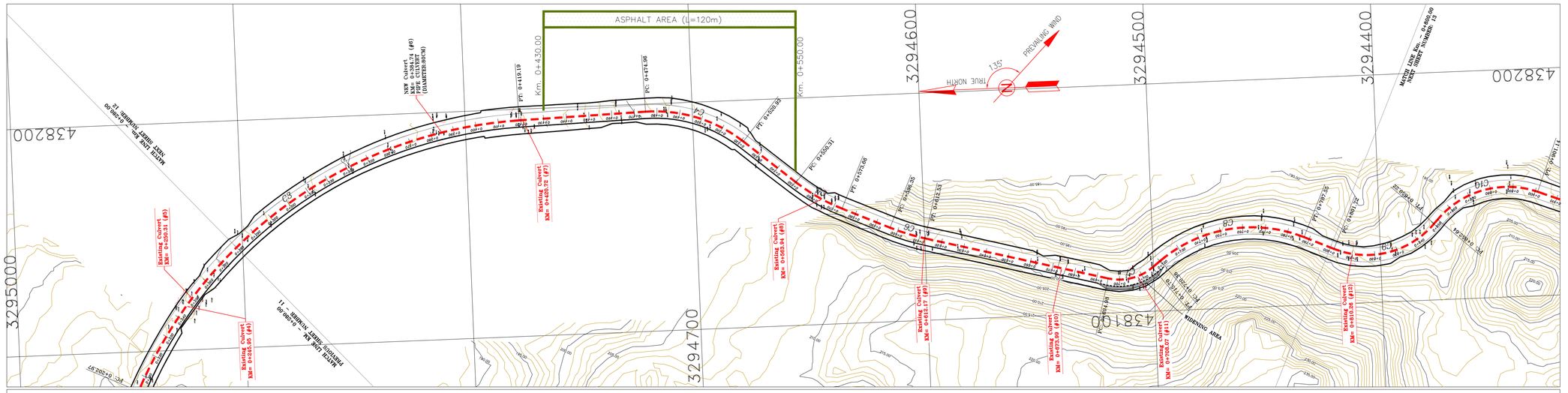
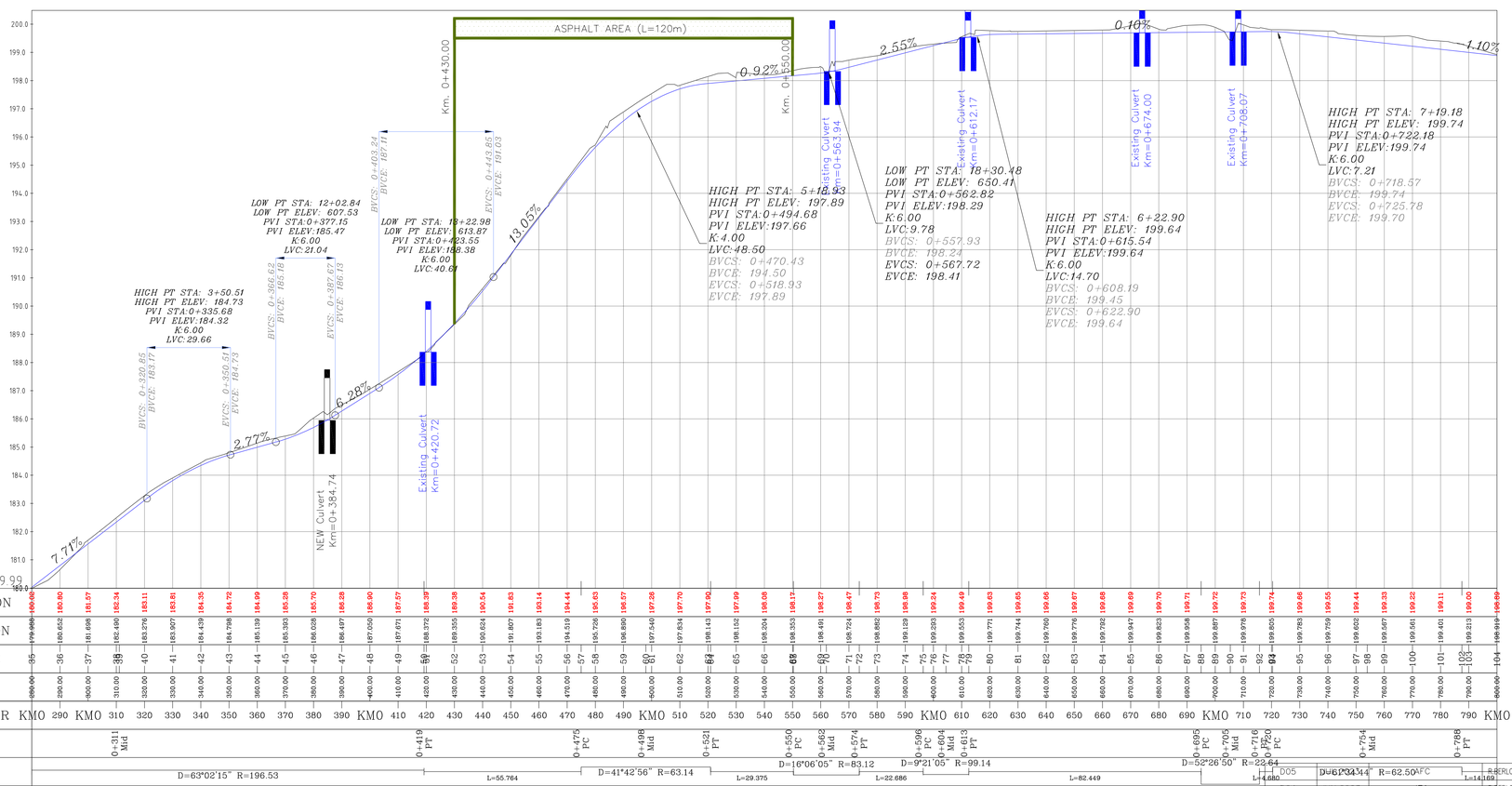
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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	D05





Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C4	63.14	45.97	S19° 13' 32.17"W	(438196.67,3294720.53)	(438181.86,3294678.08)
C5	83.12	23.36	S32° 01' 57.72"W	(438162.94,3294655.60)	(438150.60,3294635.86)
C6	99.14	16.18	S19° 18' 23.07"W	(438141.38,3294615.14)	(438136.03,3294599.88)
C7	22.64	20.72	S11° 35' 34.44"E	(438115.21,3294520.11)	(438119.23,3294500.51)
C8	62.50	67.17	S7° 01' 37.65"E	(438122.10,3294496.81)	(438129.92,3294433.31)
C9	39.00	48.50	S11° 51' 59.09"E	(438124.21,3294420.34)	(438133.56,3294375.87)
C10	40.46	48.50	S13° 09' 31.53"E	(438135.34,3294374.24)	(438145.73,3294329.79)

Station	Northing	Easting
0+280.00	3294902.72	438144.19
0+290.00	3294895.15	438150.72
0+300.00	3294887.25	438156.85
0+310.00	3294879.05	438162.57
0+320.00	3294870.57	438167.87
0+330.00	3294861.83	438172.74
0+340.00	3294852.86	438177.15
0+350.00	3294843.68	438181.10
0+360.00	3294834.30	438184.57
0+370.00	3294824.76	438187.57
0+380.00	3294815.08	438190.07
0+390.00	3294805.29	438192.09
0+400.00	3294795.40	438193.60
0+410.00	3294785.45	438194.60
0+420.00	3294775.47	438195.10
0+430.00	3294765.47	438195.39
0+440.00	3294755.48	438195.67
0+450.00	3294745.48	438195.95
0+460.00	3294735.48	438196.24
0+470.00	3294725.49	438196.52
0+480.00	3294715.49	438196.61
0+490.00	3294705.59	438195.31
0+500.00	3294696.01	438192.46
0+510.00	3294687.00	438188.14
0+520.00	3294678.79	438182.45
0+530.00	3294671.14	438176.02
0+540.00	3294663.49	438169.58
0+550.00	3294655.83	438163.14
0+560.00	3294647.84	438157.15
0+570.00	3294639.18	438152.16
0+580.00	3294630.07	438148.02
0+590.00	3294620.94	438143.96
0+600.00	3294611.77	438139.95
0+610.00	3294602.32	438136.70
0+620.00	3294592.66	438134.15
0+630.00	3294582.98	438131.62
0+640.00	3294573.30	438129.09
0+650.00	3294563.63	438126.57
0+660.00	3294553.95	438124.04
0+670.00	3294544.28	438121.52
0+680.00	3294534.60	438118.99
0+690.00	3294524.92	438116.46
0+700.00	3294515.15	438114.48
0+710.00	3294505.40	438116.33
0+720.00	3294497.11	438121.86
0+730.00	3294488.79	438127.39
0+740.00	3294479.69	438131.52
0+750.00	3294470.06	438134.14
0+760.00	3294460.12	438135.20
0+770.00	3294450.15	438134.66
0+780.00	3294440.39	438132.54
0+790.00	3294431.07	438128.94
0+800.00	3294421.92	438124.91

PI Station	Northing	Easting
0+323.49	3294896.74	438191.64
0+499.02	3294696.48	438197.35
0+562.06	3294646.61	438155.37
0+604.46	3294607.73	438138.08
0+706.13	3294509.32	438112.39
0+757.62	3294467.39	438144.93

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

NOTES

1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
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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.

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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	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
PVI= POINT OF VRTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
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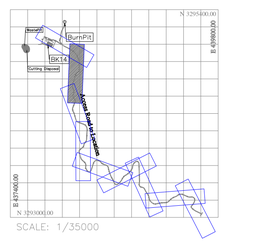
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	DEC.2024	IFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	21 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس 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

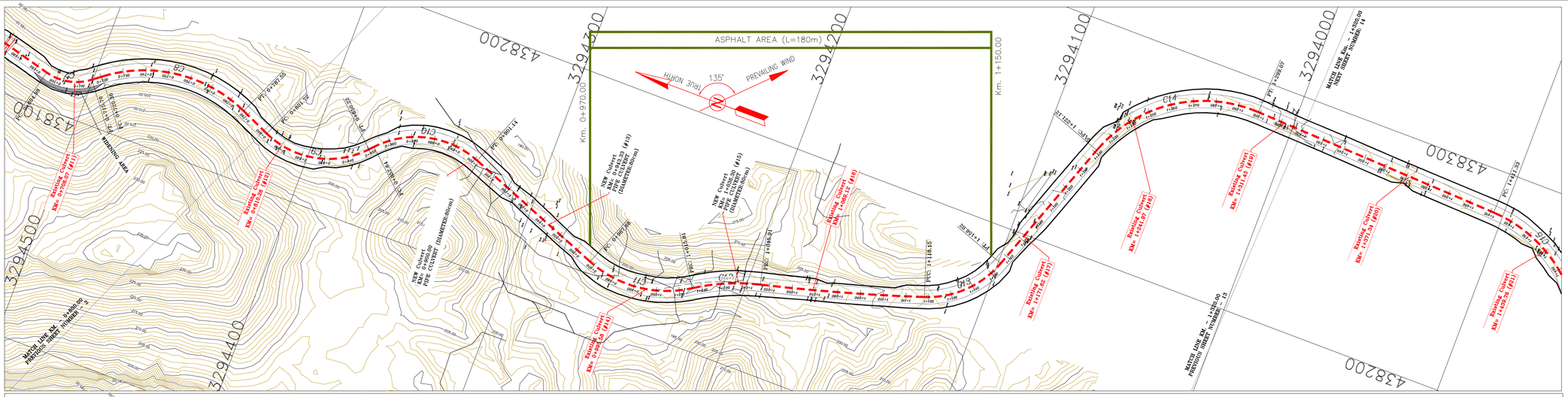
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

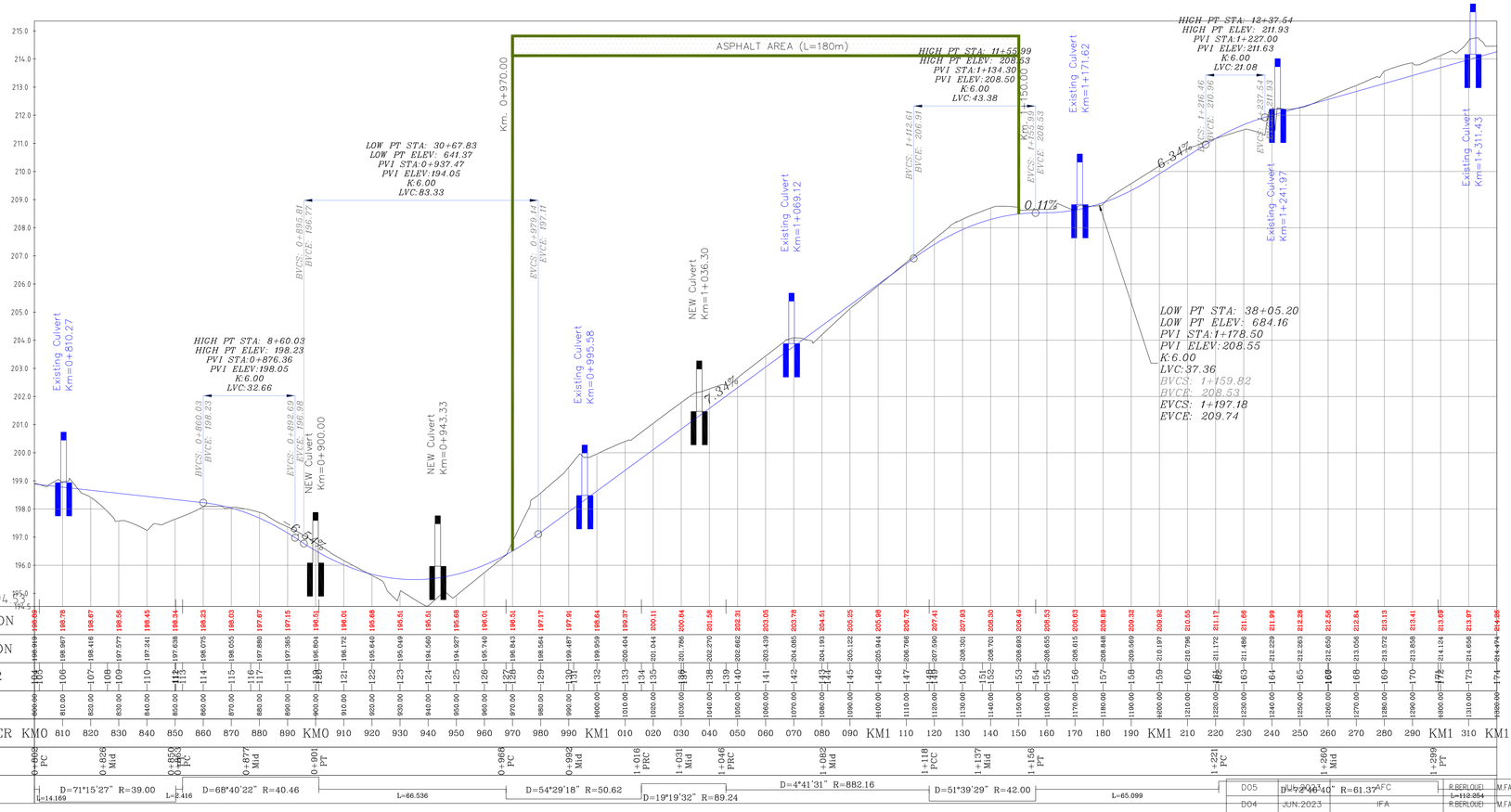
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	21	D05





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
8–THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

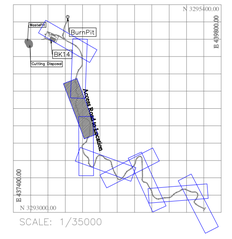
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
ROAD WIDENING AREA
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT
OIL LINE
BURN PIT LINE
NEW BURN PIT LINE

REFERENCE DRAWING	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
PVI= POINT OF VRTICAL 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



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C7	22.64	20.72	S11° 35' 34.44"E	(438115.21,3294520.11)	(438119.23,3294500.51)
C8	62.50	67.17	S7° 01' 37.65"E	(438122.10,3294496.81)	(438129.92,3294433.31)
C9	39.00	48.50	S11° 51' 59.09"E	(438124.21,3294420.34)	(438133.56,3294375.87)
C10	40.46	48.50	S13° 09' 31.53"E	(438135.34,3294374.24)	(438145.73,3294329.79)
C11	50.62	48.14	S6° 03' 59.77"E	(438121.69,3294267.75)	(438126.59,3294221.67)
C12	89.24	30.10	S23° 38' 52.94"E	(438126.59,3294221.67)	(438138.61,3294194.22)
C13	42.00	37.87	S44° 30' 22.60"E	(438158.92,3294124.92)	(438184.57,3294098.82)
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)

Station	Northing	Easting
0+800.00	3294421.92	438124.91
0+810.00	3294412.47	438121.70
0+820.00	3294402.52	438120.96
0+830.00	3294392.71	438122.77
0+840.00	3294383.69	438127.01
0+850.00	3294376.03	438133.39
0+860.00	3294368.80	438140.28
0+870.00	3294360.17	438145.27
0+880.00	3294350.57	438147.99
0+890.00	3294340.60	438148.28
0+900.00	3294330.86	438146.13
0+910.00	3294321.53	438142.53
0+920.00	3294312.21	438138.92
0+930.00	3294302.88	438135.30
0+940.00	3294293.56	438131.69
0+950.00	3294284.23	438128.08
0+960.00	3294274.91	438124.47
0+970.00	3294265.56	438120.90

0+980.00	3294255.83	438118.68
0+990.00	3294245.85	438118.40
1+000.00	3294236.01	438120.10
1+010.00	3294226.70	438123.69
1+020.00	3294218.11	438128.81
1+030.00	3294209.24	438133.41
1+040.00	3294199.91	438136.99
1+050.00	3294190.26	438139.61
1+060.00	3294180.58	438142.12
1+070.00	3294170.93	438144.75
1+080.00	3294161.31	438147.48
1+090.00	3294151.73	438150.33
1+100.00	3294142.17	438153.28
1+110.00	3294132.65	438156.34
1+120.00	3294123.18	438159.55
1+130.00	3294114.37	438164.23
1+140.00	3294106.92	438170.86
1+150.00	3294101.24	438179.07
1+160.00	3294097.48	438188.32

1+170.00	3294094.11	438197.74
1+180.00	3294090.75	438207.15
1+190.00	3294087.38	438216.57
1+200.00	3294084.02	438225.99
1+210.00	3294080.65	438235.40
1+220.00	3294077.29	438244.82
1+230.00	3294073.33	438253.99
1+240.00	3294067.94	438262.40
1+250.00	3294061.27	438269.83
1+260.00	3294053.47	438276.08
1+270.00	3294044.76	438280.98
1+280.00	3294035.38	438284.40
1+290.00	3294025.56	438286.25
1+300.00	3294015.58	438286.50
1+310.00	3294005.59	438286.07
1+320.00	3293995.60	438285.64

PI Station	Northing	Easting
0+829.67	3294394.76	438112.95
0+880.28	3294355.57	438155.72
0+993.74	3294243.45	438112.28
1+031.01	3294208.97	438134.94
1+082.05	3294159.16	438147.34
1+138.48	3294105.66	438165.43
1+266.35	3294061.69	438288.46

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.
D05	JUL.2023	IFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
***	**********	**.**	***.****	**.**	***.****
		CHECKED		REV. APPR.	

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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	22 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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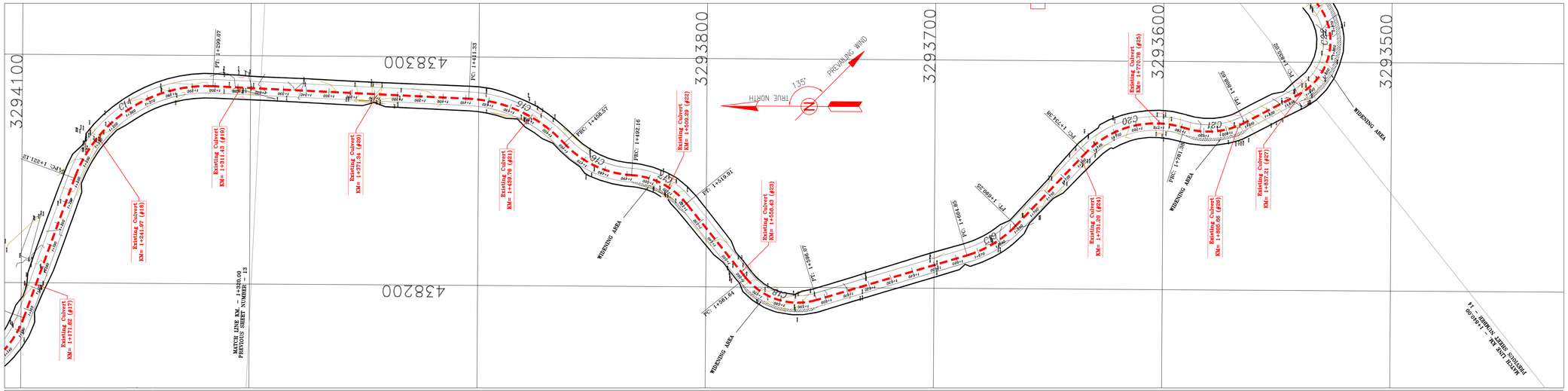
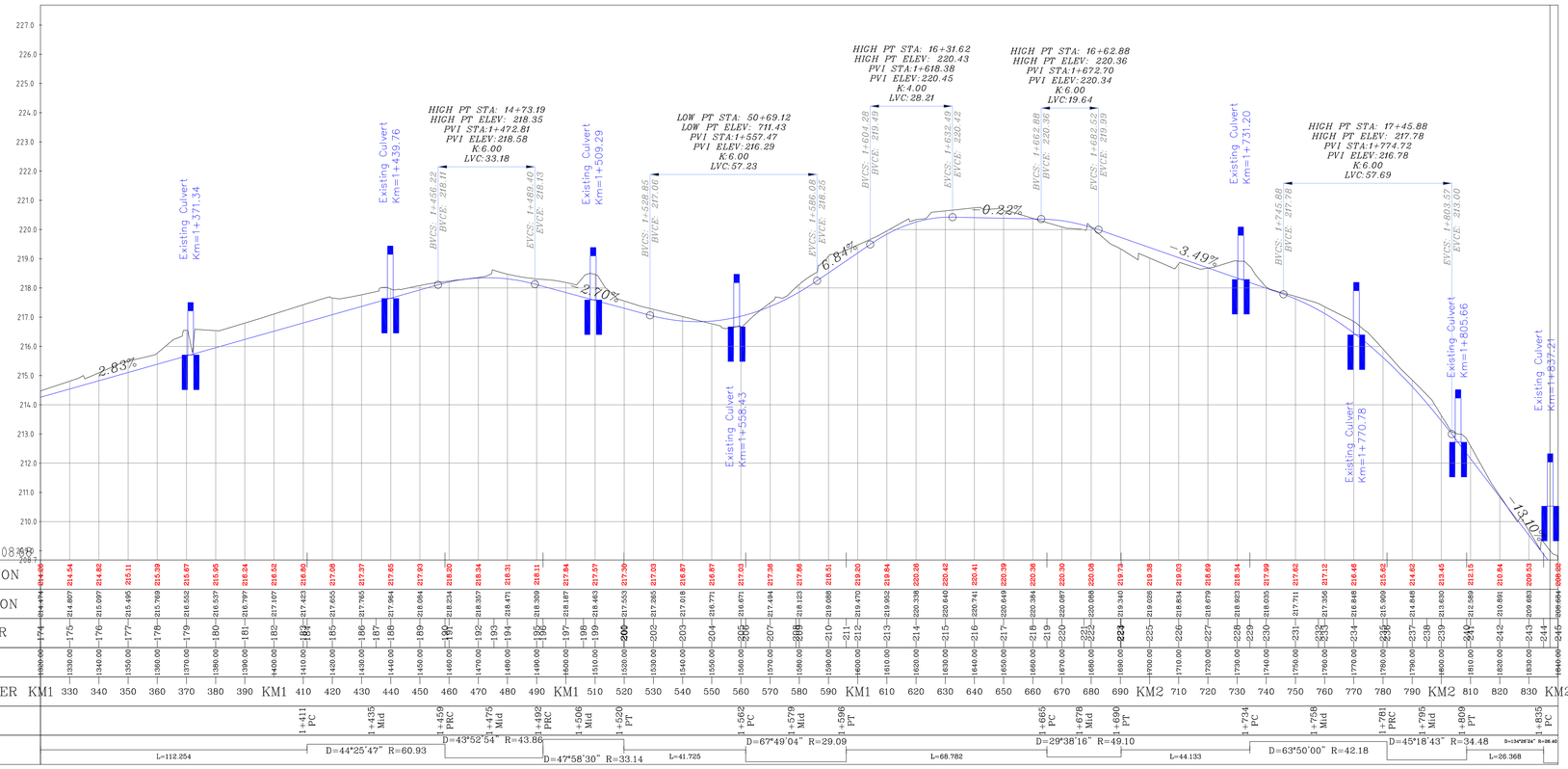
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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	22	D05





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MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
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LEGEND

WELL LOCATION
WELL
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CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
ROAD WIDENING AREA
CANAL
RIVER
WATER COURSE
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BENCH MARK
BRIDGE
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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–GNRAL–PEDCO–000–CV–SP–0004
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Geotechnical Investigation Report – BK14	BK–BK14–PEDCO–110–GT–RT–0001
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MTO For Civil Works – BK14	BK–BK14–PEDCO–110–CV–MT–0001

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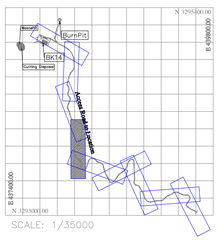
KEY PLAN



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	3293886.11	438278.13
1+440.00	3293877.03	438273.96
1+450.00	3293868.76	438268.35
1+460.00	3293861.49	438261.50
1+470.00	3293853.68	438255.30
1+480.00	3293844.66	438251.01
1+490.00	3293834.92	438248.88
1+500.00	3293825.06	438247.39

1+510.00	3293816.04	438243.15
1+520.00	3293808.69	438236.42
1+530.00	3293802.39	438228.66
1+540.00	3293796.10	438220.89
1+550.00	3293789.80	438213.12
1+560.00	3293783.50	438205.35
1+570.00	3293776.35	438198.43
1+580.00	3293767.30	438194.28
1+590.00	3293757.39	438193.42
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1+620.00	3293728.54	438201.50
1+630.00	3293718.97	438204.40
1+640.00	3293709.40	438207.30
1+650.00	3293699.83	438210.20
1+660.00	3293690.25	438213.10
1+670.00	3293680.77	438216.25
1+680.00	3293672.01	438221.04
1+690.00	3293664.41	438227.51
1+700.00	3293657.52	438234.76

1+710.00	3293650.64	438242.02
1+720.00	3293643.75	438249.27
1+730.00	3293636.87	438256.52
1+740.00	3293629.72	438263.50
1+750.00	3293621.27	438268.80
1+760.00	3293611.81	438271.96
1+770.00	3293601.87	438272.82
1+780.00	3293592.01	438271.31
1+790.00	3293582.22	438269.40
1+800.00	3293572.30	438270.32
1+810.00	3293563.04	438274.01
1+820.00	3293554.21	438278.70
1+830.00	3293545.38	438283.39
1+840.00	3293536.79	438288.48

PI Station	Northing	Easting
1+436.21	3293879.49	438280.69
1+476.24	3293850.40	438249.64
1+506.91	3293818.03	438247.95
1+581.19	3293770.15	438188.89
1+677.84	3293673.18	438218.27
1+760.65	3293615.76	438278.75
1+795.77	3293576.95	438266.63

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.
D05	~~JUL.2023~~	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14 ACCESS ROAD PLAN AND PROFILE

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	23 OF 98	D05

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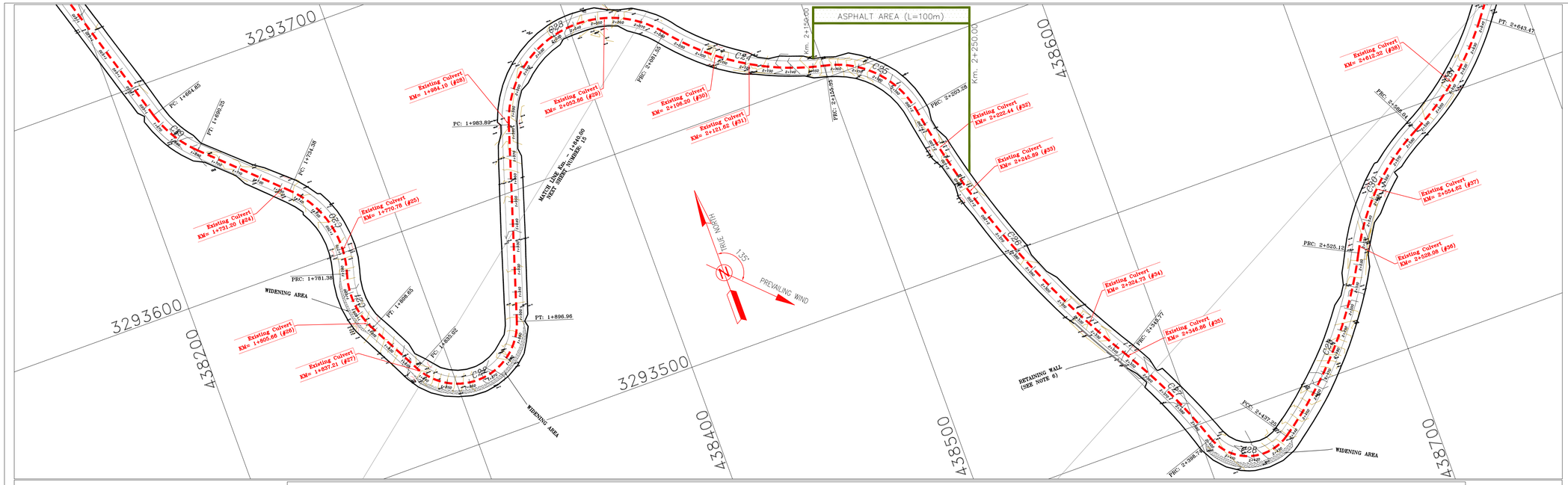
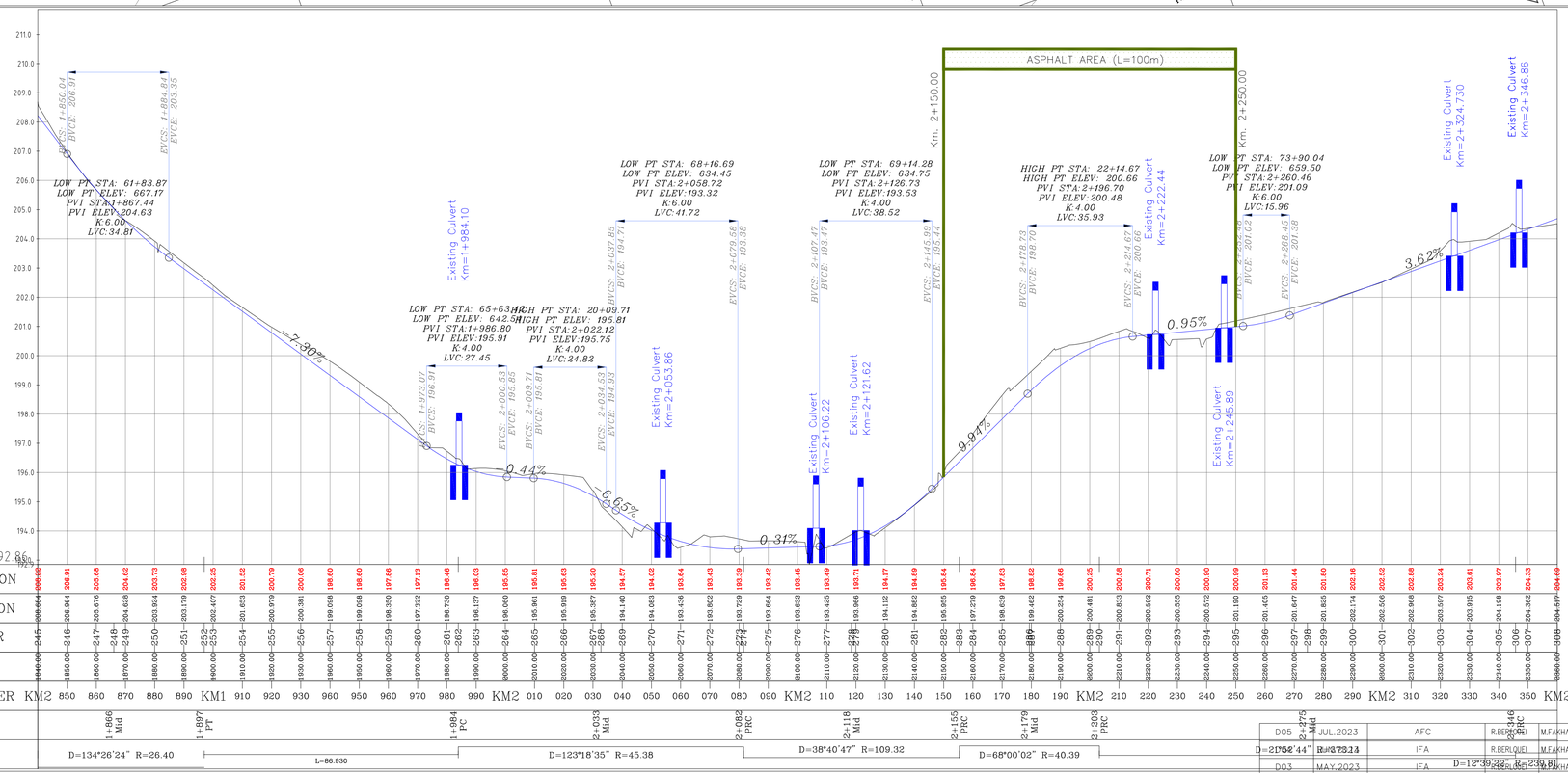
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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	23	D05





NOTES

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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
8-THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

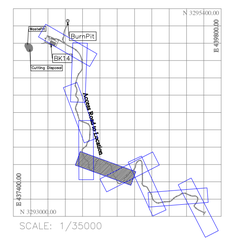
WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	
RETAINING WALL		OIL LINE	
ROAD WIDENING AREA		BURN PIT LINE	
		NEW BURN PIT LINE	

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-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
PVI= POINT OF VRTICAL 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



Curve Table: Alignments

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	(438334.23,3293545.35)	(438438.97,3293643.12)
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	(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)

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	3293527.70	438315.40
1+880.00	3293531.86	438324.43
1+890.00	3293539.06	438331.28
1+900.00	3293548.24	438335.15
1+910.00	3293557.78	438338.17
1+920.00	3293567.31	438341.19
1+930.00	3293576.84	438344.21
1+940.00	3293586.37	438347.23
1+950.00	3293595.91	438350.26
1+960.00	3293605.44	438353.28
1+970.00	3293614.97	438356.30
1+980.00	3293624.50	438359.32
1+990.00	3293633.89	438362.73
2+000.00	3293642.39	438367.96
2+010.00	3293649.54	438374.93
2+020.00	3293654.99	438383.28

2+030.00	3293658.49	438392.63
2+040.00	3293659.86	438402.52
2+050.00	3293659.03	438412.46
2+060.00	3293656.05	438421.99
2+070.00	3293651.06	438430.63
2+080.00	3293644.30	438437.97
2+090.00	3293636.77	438444.55
2+100.00	3293629.84	438451.76
2+110.00	3293623.61	438459.57
2+120.00	3293618.11	438467.92
2+130.00	3293613.40	438476.73
2+140.00	3293609.51	438485.94
2+150.00	3293606.48	438495.47
2+160.00	3293603.97	438505.14
2+170.00	3293599.61	438514.12
2+180.00	3293593.19	438521.75
2+190.00	3293585.09	438527.57
2+200.00	3293575.81	438531.23
2+210.00	3293566.00	438533.12
2+220.00	3293556.20	438535.12

2+230.00	3293546.46	438537.39
2+240.00	3293536.79	438539.92
2+250.00	3293527.18	438542.71
2+260.00	3293517.66	438545.75
2+270.00	3293508.22	438549.05
2+280.00	3293498.87	438552.60
2+290.00	3293489.62	438556.40
2+300.00	3293480.47	438560.44
2+310.00	3293471.44	438564.73
2+320.00	3293462.52	438569.26
2+330.00	3293453.73	438574.03
2+340.00	3293445.07	438579.03
2+350.00	3293436.52	438584.21
2+360.00	3293427.81	438589.12

PI Station	Northing	Easting
1+897.88	3293485.42	438315.23
2+068.01	3293708.39	438385.92
2+119.92	3293613.34	438463.17
2+182.59	3293599.45	438527.29
2+275.40	3293501.53	438544.17

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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY – PEDCO

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	24 OF 98	D05

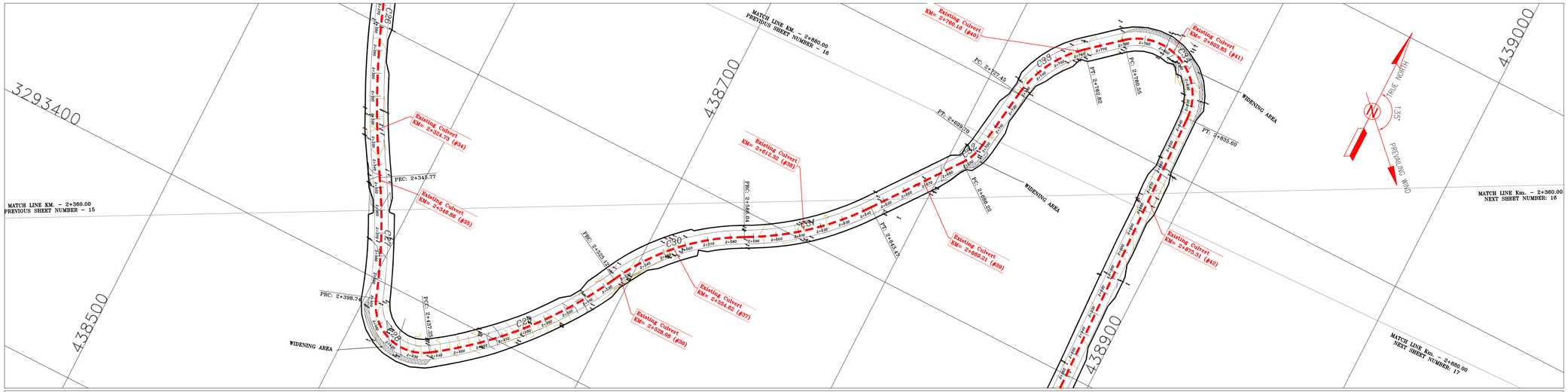
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

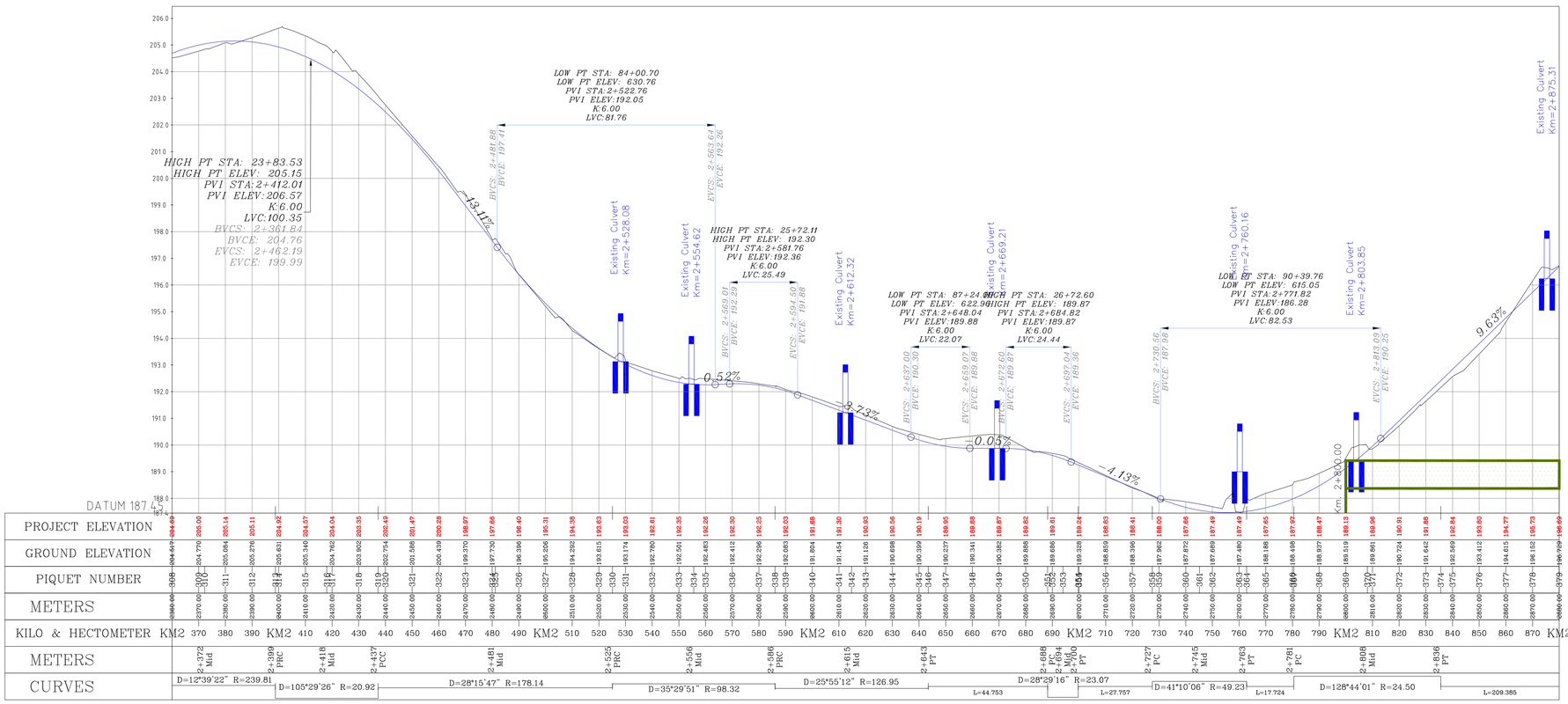
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	24	D05





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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
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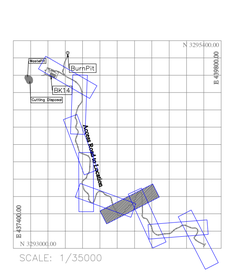
KEY PLAN



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
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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
2+360.00	3293427.81	438589.12
2+370.00	3293418.91	438593.67
2+380.00	3293409.82	438597.85
2+390.00	3293400.57	438601.64
2+400.00	3293391.18	438605.08
2+410.00	3293383.18	438610.92
2+420.00	3293378.77	438619.79
2+430.00	3293378.93	438629.70
2+440.00	3293383.51	438638.51
2+450.00	3293389.52	438646.50
2+460.00	3293395.98	438654.13
2+470.00	3293402.85	438661.40
2+480.00	3293410.12	438668.26
2+490.00	3293417.76	438674.71
2+500.00	3293425.75	438680.72
2+510.00	3293434.07	438686.27
2+520.00	3293442.68	438691.34
2+530.00	3293451.48	438696.09
2+540.00	3293459.87	438701.54

2+550.00	3293467.65	438707.80
2+560.00	3293474.76	438714.83
2+570.00	3293481.12	438722.54
2+580.00	3293486.67	438730.86
2+590.00	3293491.47	438739.63
2+600.00	3293496.66	438748.17
2+610.00	3293502.51	438756.28
2+620.00	3293508.98	438763.90
2+630.00	3293516.03	438770.99
2+640.00	3293523.61	438777.50
2+650.00	3293531.59	438783.53
2+660.00	3293539.60	438789.53
2+670.00	3293547.60	438795.52
2+680.00	3293555.61	438801.51
2+690.00	3293563.65	438807.45
2+700.00	3293572.97	438810.85
2+710.00	3293582.87	438812.29
2+720.00	3293592.76	438813.74
2+730.00	3293602.65	438815.26
2+740.00	3293612.19	438818.20

2+750.00	3293620.94	438823.00
2+760.00	3293628.54	438829.47
2+770.00	3293635.10	438837.02
2+780.00	3293641.59	438844.63
2+790.00	3293646.56	438853.22
2+800.00	3293647.72	438863.08
2+810.00	3293644.87	438872.60
2+820.00	3293638.48	438880.20
2+830.00	3293629.59	438884.63
2+840.00	3293619.67	438885.58
2+850.00	3293609.67	438885.88
2+860.00	3293599.68	438886.19
2+870.00	3293589.68	438886.50
2+880.00	3293579.68	438886.81

Pt Station	Northing	Easting
2+372.36	3293417.51	438595.97
2+426.24	3293366.36	438613.59
2+482.30	3293407.33	438673.22
2+556.60	3293475.18	438708.16
2+615.26	3293502.98	438762.11
2+694.08	3293566.88	438809.95
2+745.94	3293618.43	438817.50
2+833.61	3293675.10	438883.87

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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	25 OF 98	D05

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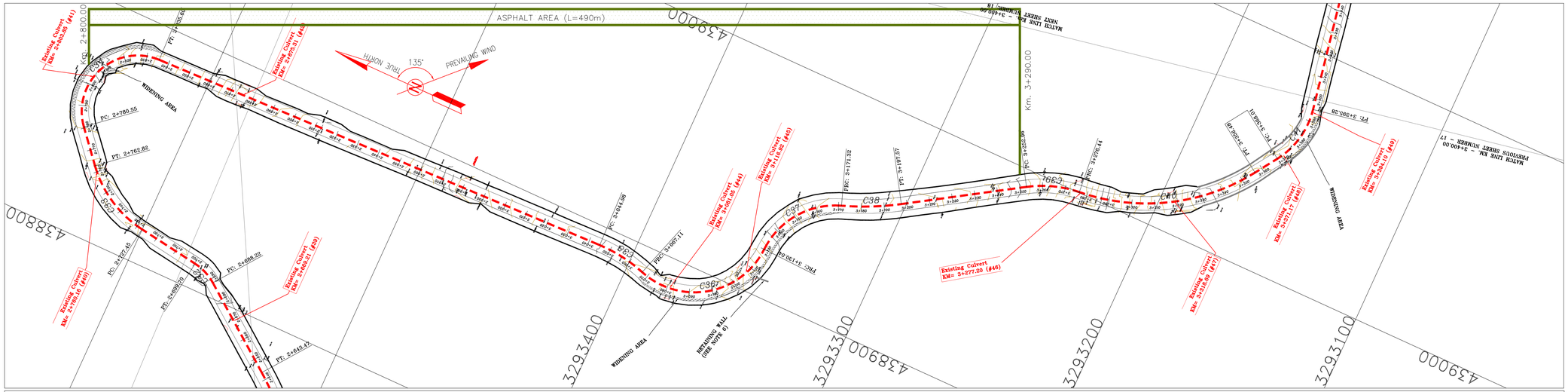
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

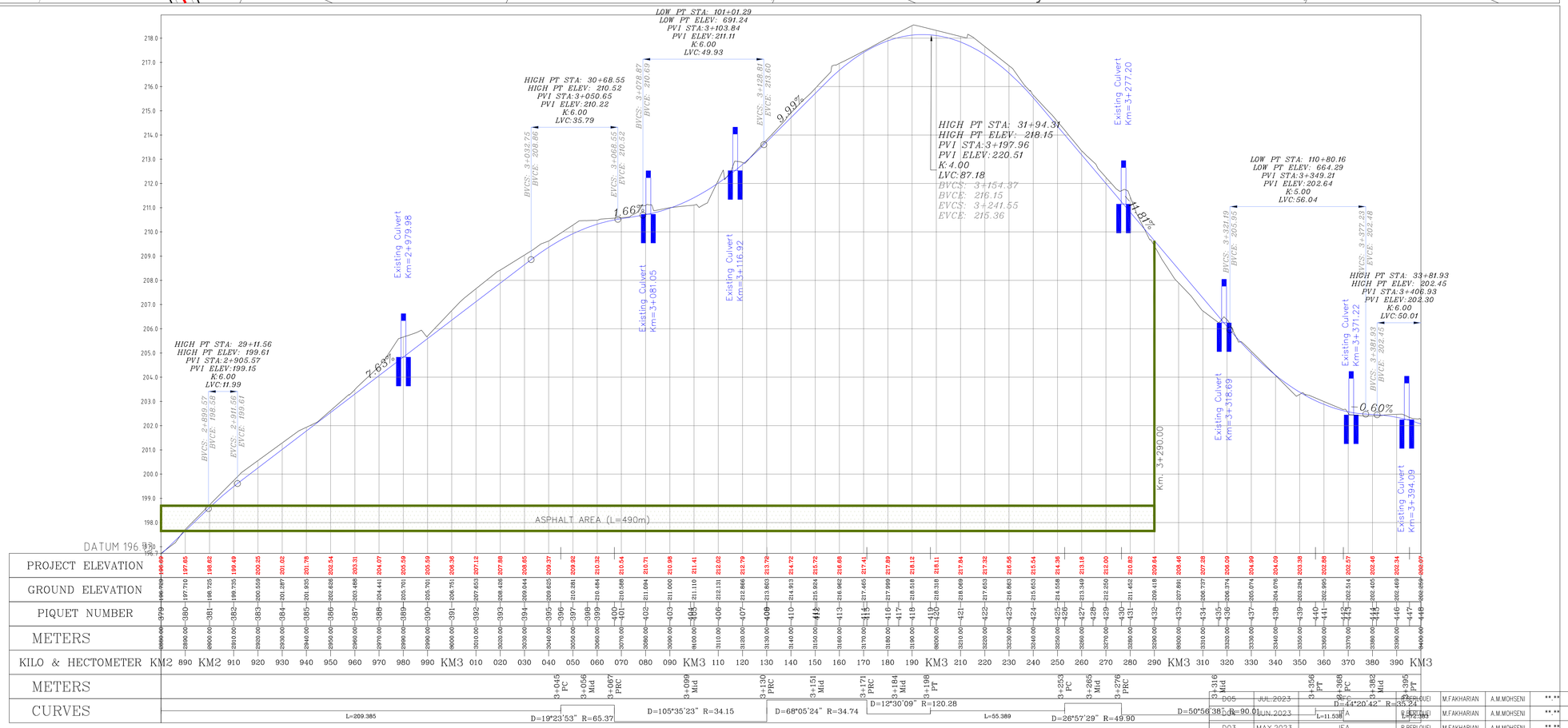
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	25	D05





NOTES

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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
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LEGEND

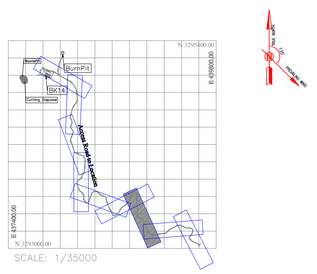
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
ROAD WIDENING AREA
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT
OIL LINE
BURN PIT LINE
NEW BURN PIT LINE

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–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
PVI= POINT OF VRTICAL 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



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	(439049.66,3293160.43)	(439075.72,3293155.14)

Station	Northing	Easting
2+880.00	3293579.68	438886.81
2+890.00	3293569.69	438887.11
2+900.00	3293559.69	438887.42
2+910.00	3293549.70	438887.73
2+920.00	3293539.70	438888.04
2+930.00	3293529.71	438888.35
2+940.00	3293519.71	438888.65
2+950.00	3293509.72	438888.96
2+960.00	3293499.72	438889.27
2+970.00	3293489.73	438889.58
2+980.00	3293479.73	438889.88
2+990.00	3293469.74	438890.19
3+000.00	3293459.74	438890.50
3+010.00	3293449.75	438890.81
3+020.00	3293439.75	438891.11
3+030.00	3293429.76	438891.42
3+040.00	3293419.76	438891.73
3+050.00	3293409.76	438891.85
3+060.00	3293399.85	438890.62

3+070.00	3293390.18	438888.08
3+080.00	3293380.25	438887.32
3+090.00	3293370.51	438889.46
3+100.00	3293361.81	438894.31
3+110.00	3293354.88	438901.47
3+120.00	3293350.32	438910.33
3+130.00	3293348.50	438920.13
3+140.00	3293346.73	438929.93
3+150.00	3293342.25	438938.83
3+160.00	3293335.43	438946.10
3+170.00	3293326.82	438951.12
3+180.00	3293317.54	438954.84
3+190.00	3293308.58	438959.28
3+200.00	3293300.01	438964.43
3+210.00	3293291.57	438969.78
3+220.00	3293283.12	438975.14
3+230.00	3293274.67	438980.49
3+240.00	3293266.23	438985.84
3+250.00	3293257.78	438991.20
3+260.00	3293249.09	438996.12

3+270.00	3293239.62	438999.29
3+280.00	3293229.73	439000.72
3+290.00	3293219.92	439002.60
3+300.00	3293210.37	439005.56
3+310.00	3293201.21	439009.56
3+320.00	3293192.55	439014.55
3+330.00	3293184.50	439020.47
3+340.00	3293177.15	439027.25
3+350.00	3293170.60	439034.79
3+360.00	3293164.87	439042.99
3+370.00	3293159.38	439051.34
3+380.00	3293155.60	439060.56
3+390.00	3293154.55	439070.47
3+400.00	3293156.01	439080.35

PI Station	Northing	Easting
3+056.15	3293403.62	438892.23
3+112.09	3293350.10	438875.22
3+153.51	3293347.66	438943.62
3+184.50	3293313.19	438956.08
3+264.92	3293245.18	438999.18
3+319.32	3293190.58	439004.36
3+382.37	3293152.47	439061.61

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.
D05	JUL.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	26 OF 98	D05

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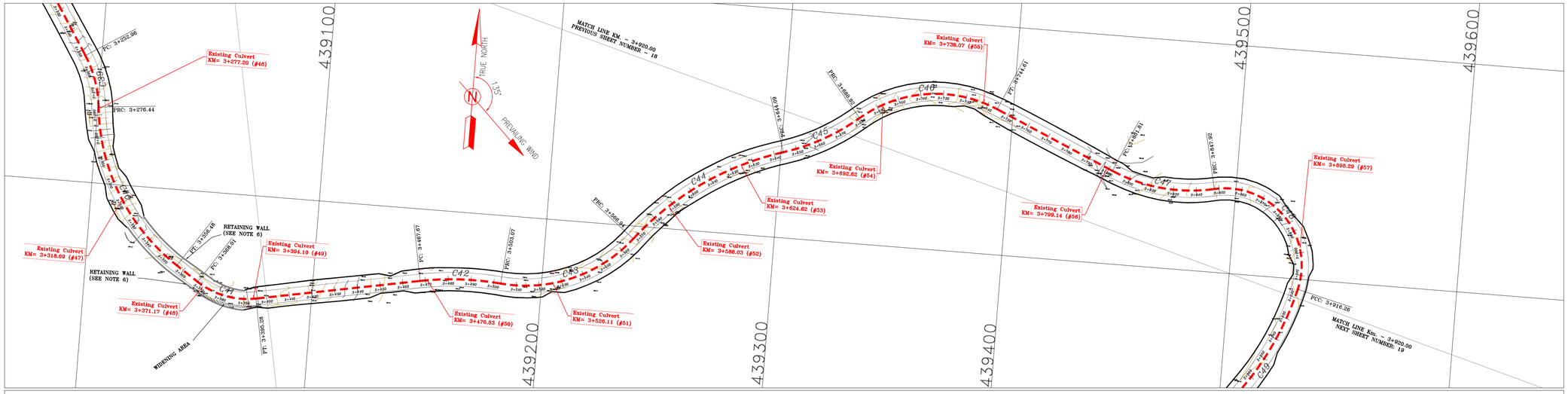
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

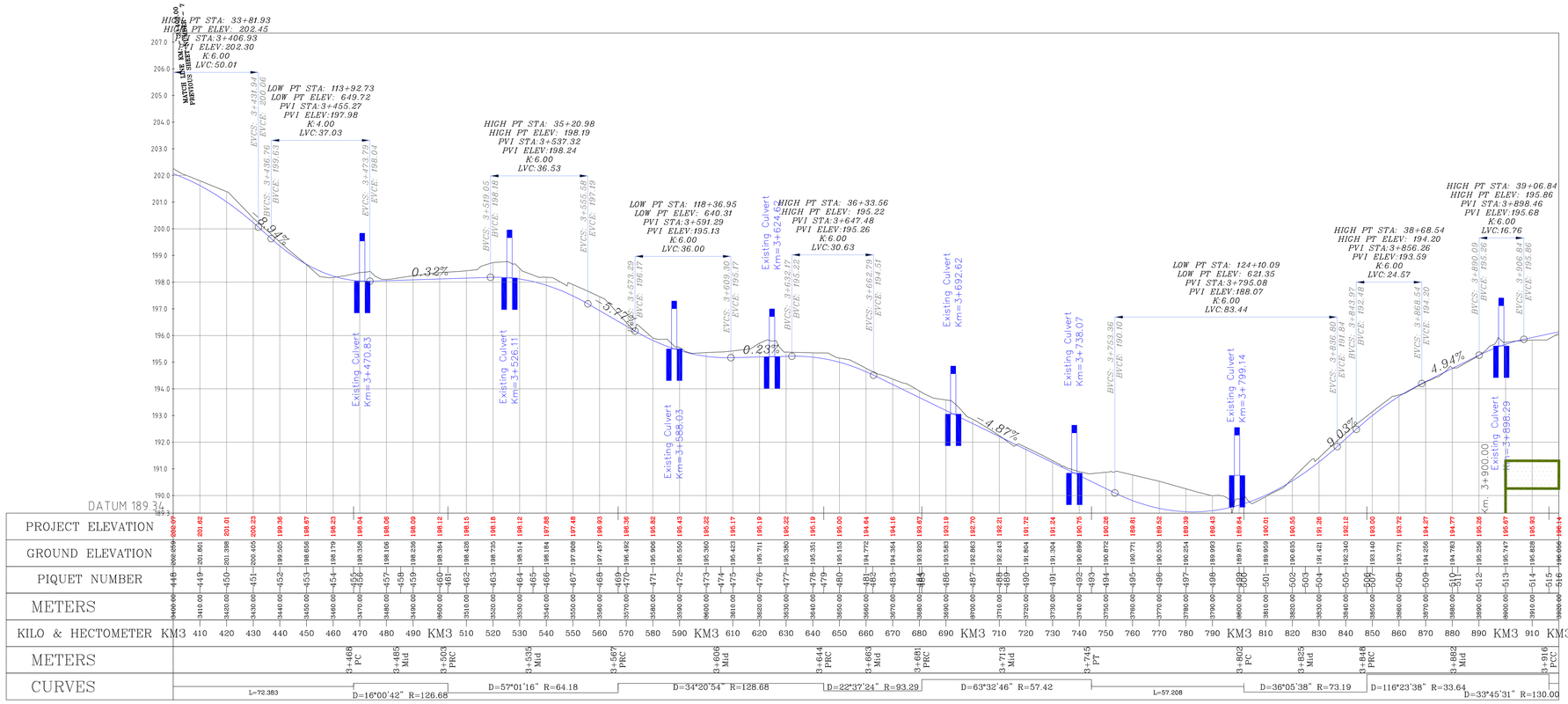
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	26	D05





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
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	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

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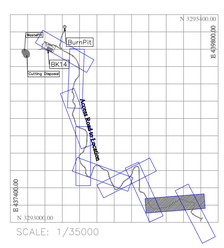
KEY PLAN



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' 26.27"E	(439182.09,3293170.23)	(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
3+400.00	3293156.01	439080.35
3+410.00	3293157.87	439090.18
3+420.00	3293159.73	439100.01
3+430.00	3293161.58	439109.83
3+440.00	3293163.44	439119.66
3+450.00	3293165.30	439129.49
3+460.00	3293167.15	439139.31
3+470.00	3293168.99	439149.14
3+480.00	3293170.27	439159.06
3+490.00	3293170.77	439169.04
3+500.00	3293170.48	439179.03
3+510.00	3293169.97	439189.02
3+520.00	3293170.89	439198.96
3+530.00	3293173.36	439208.64
3+540.00	3293177.29	439217.83
3+550.00	3293182.60	439226.29
3+560.00	3293189.16	439233.82
3+570.00	3293196.74	439240.33

3+580.00	3293204.19	439247.01
3+590.00	3293211.09	439254.24
3+600.00	3293217.41	439261.98
3+610.00	3293223.11	439270.20
3+620.00	3293228.16	439278.83
3+630.00	3293232.52	439287.82
3+640.00	3293236.17	439297.13
3+650.00	3293239.39	439306.60
3+660.00	3293243.47	439315.72
3+670.00	3293248.49	439324.36
3+680.00	3293254.42	439332.41
3+690.00	3293260.27	439340.51
3+700.00	3293264.64	439349.49
3+710.00	3293267.38	439359.09
3+720.00	3293268.42	439369.03
3+730.00	3293267.73	439378.99
3+740.00	3293265.31	439388.68
3+750.00	3293261.49	439397.92
3+760.00	3293257.49	439407.08

3+770.00	3293253.49	439416.25
3+780.00	3293249.49	439425.42
3+790.00	3293245.50	439434.58
3+800.00	3293241.50	439443.75
3+810.00	3293237.93	439453.08
3+820.00	3293235.64	439462.81
3+830.00	3293234.70	439472.76
3+840.00	3293235.12	439482.74
3+850.00	3293236.80	439492.59
3+860.00	3293236.89	439502.55
3+870.00	3293234.05	439512.10
3+880.00	3293228.53	439520.40
3+890.00	3293220.83	439526.72
3+900.00	3293211.62	439530.51
3+910.00	3293201.70	439531.43
3+920.00	3293191.90	439529.56

PI Station	Northing	Easting
3+485.48	3293171.88	439164.35
3+537.93	3293167.01	439216.81
3+606.72	3293225.58	439263.06
3+662.75	3293243.02	439318.83
3+716.49	3293277.86	439360.37
3+825.66	3293231.24	439467.27
3+902.17	3293248.18	439543.50

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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14 ACCESS ROAD PLAN AND PROFILE

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	27 OF 98	D05

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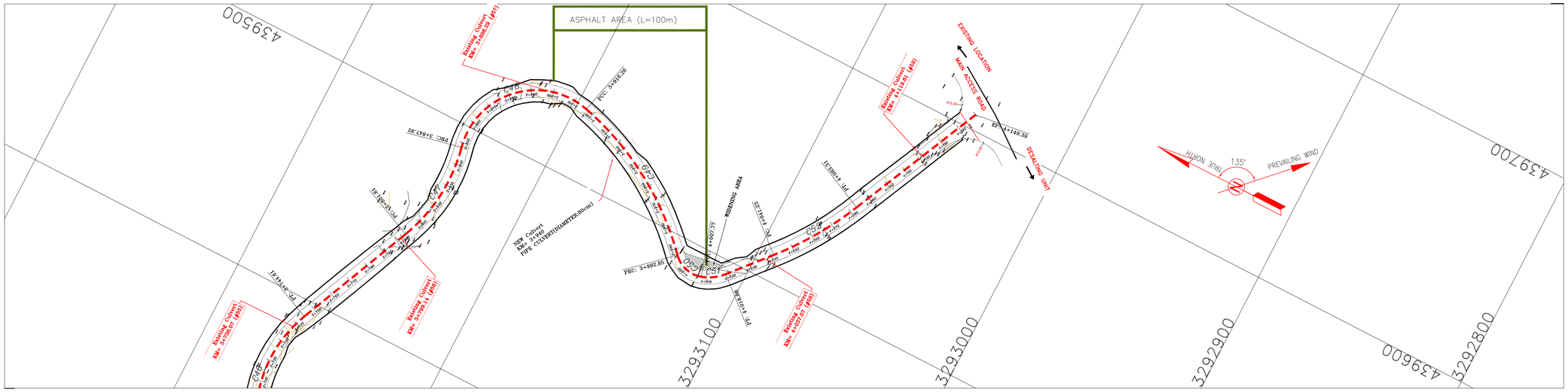
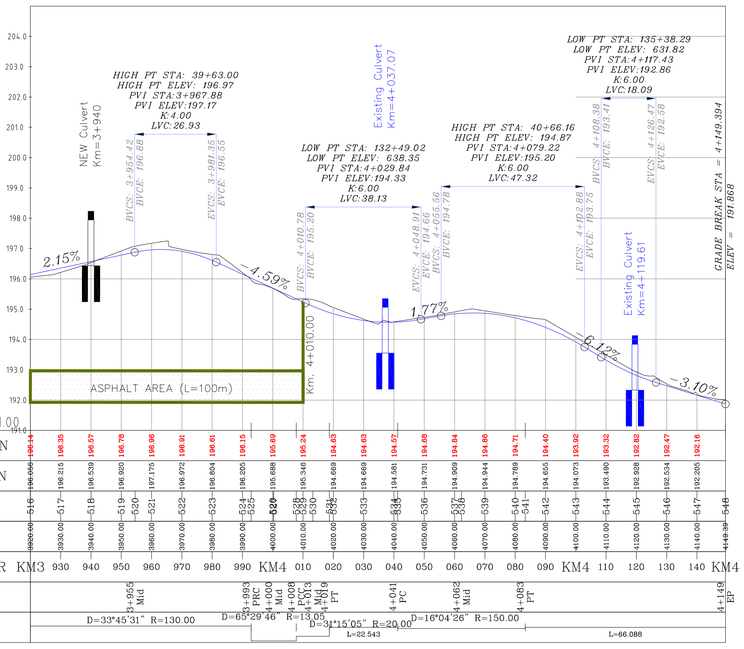
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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	27	D05





NOTES

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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:
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– "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.
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6–RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
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8–THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

WELL LOCATION
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BENCH MARK
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REFERENCE DRAWING	DRG. No.
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ABBREVIATION

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EVCS= END OF VERTICAL CURVE STATION
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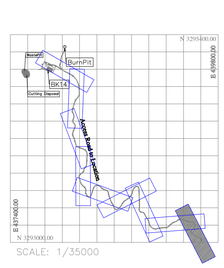
KEY PLAN



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	Northing	Easting
3+920.00	3293191.90	439529.56
3+930.00	3293182.37	439526.51
3+940.00	3293173.11	439522.75
3+950.00	3293164.17	439518.28
3+960.00	3293155.59	439513.14
3+970.00	3293147.44	439507.36
3+980.00	3293139.75	439500.97
3+990.00	3293132.58	439494.00
4+000.00	3293124.64	439488.18
4+010.00	3293114.91	439489.09
4+020.00	3293107.14	439495.23
4+030.00	3293100.59	439502.80
4+040.00	3293094.05	439510.36
4+050.00	3293087.70	439518.08
4+060.00	3293081.88	439526.21
4+070.00	3293076.61	439534.71
4+080.00	3293071.93	439543.54
4+090.00	3293067.70	439552.60
4+100.00	3293063.50	439561.68
4+110.00	3293059.31	439570.76
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

PI Station	Northing	Easting
3+955.70	3293157.22	439521.05
4+001.25	3293124.98	439485.71
4+013.37	3293111.66	439490.01
4+062.40	3293079.39	439527.30
4+149.39	3293042.78	439606.52

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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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): PEDCO – PETROIRAN DEVELOPMENT COMPANY

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	28 OF 98	D05

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

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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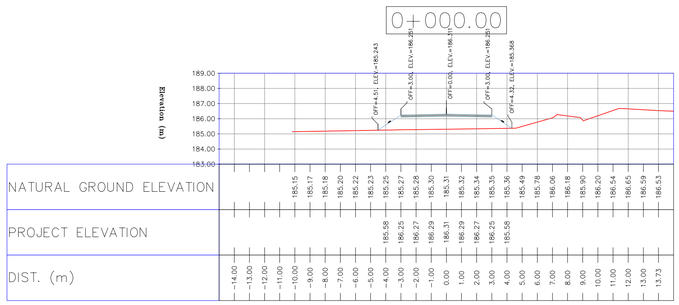
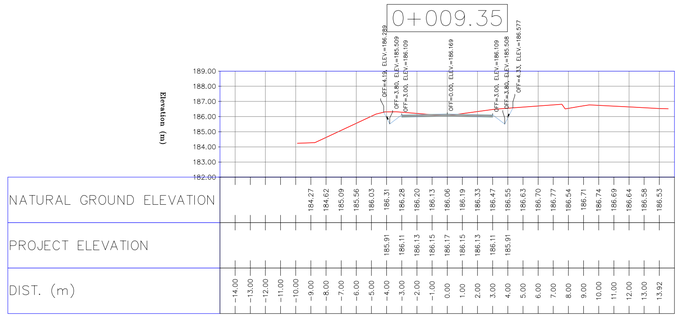
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

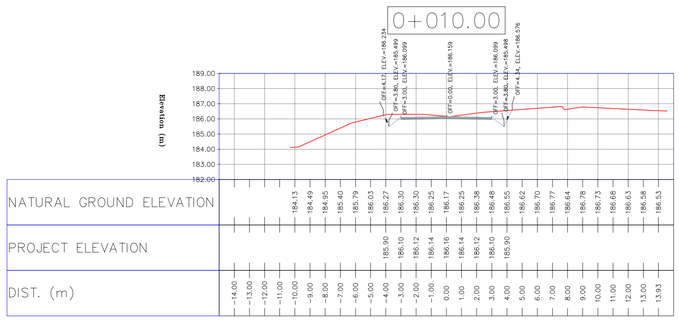
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

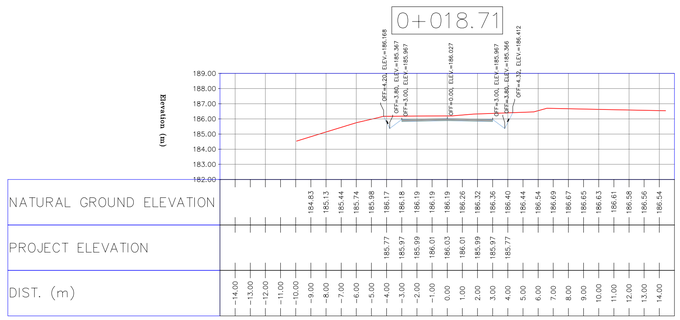
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:

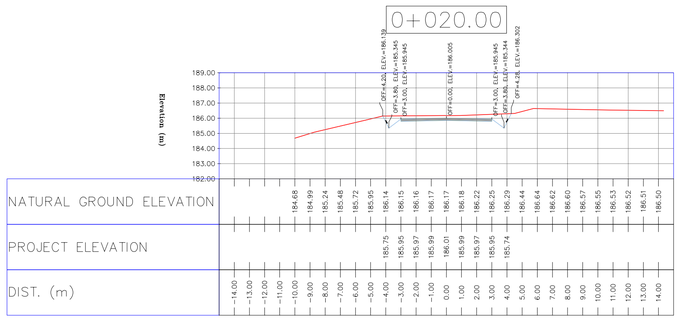
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	28	D05

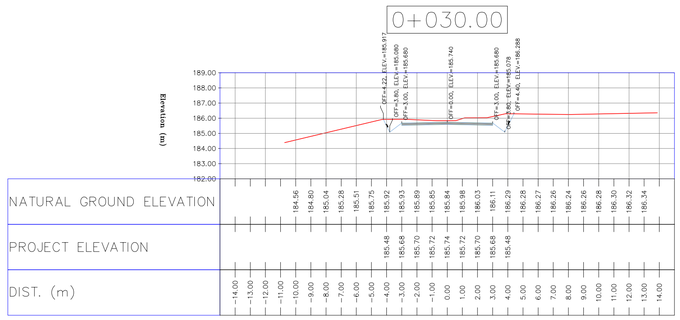












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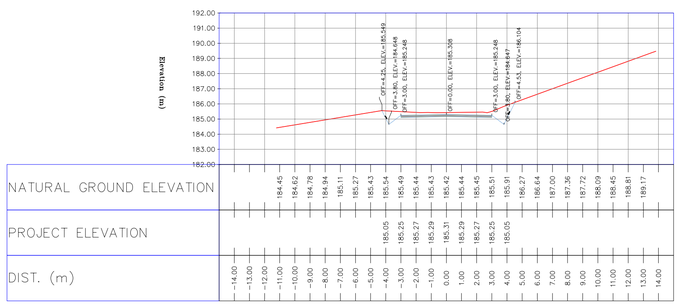
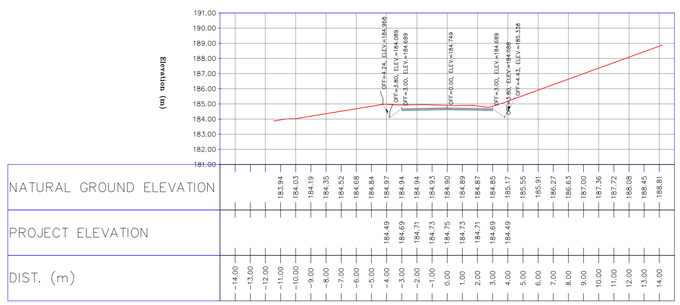
0+050.00





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.

LEGEND

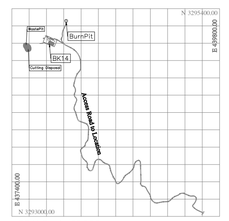
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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

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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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

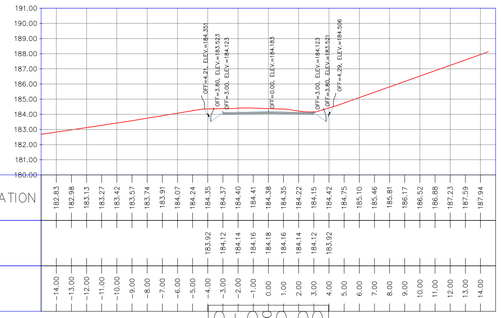
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	29 OF 98	D05

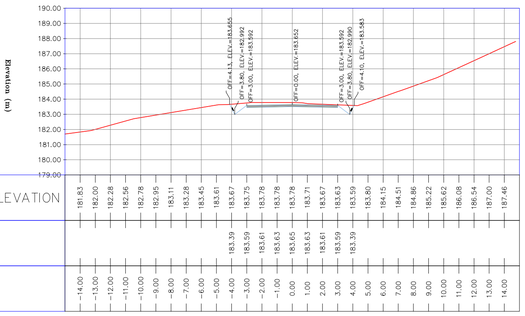
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	29	D05

0+060.00



NATURAL GROUND ELEVATION	182.83	182.98	183.13	183.27	183.42	183.57	183.74	183.91	184.07	184.24	184.35	184.37	184.40	184.41	184.38	184.35	184.22	184.15	184.42	184.75	185.10	185.46	185.81	186.17	186.52	186.88	187.23	187.59	187.94
PROJECT ELEVATION											183.92	184.12	184.14	184.16	184.18	184.16	184.14	184.12	183.92										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+070.00



NATURAL GROUND ELEVATION	181.83	182.00	182.28	182.56	182.95	183.11	183.28	183.45	183.61	183.67	183.75	183.78	183.78	183.78	183.71	183.67	183.63	183.59	183.60	184.15	184.51	184.86	185.22	185.62	186.08	186.54	187.00	187.46	
PROJECT ELEVATION											183.39	183.59	183.61	183.63	183.65	183.63	183.61	183.59	183.39										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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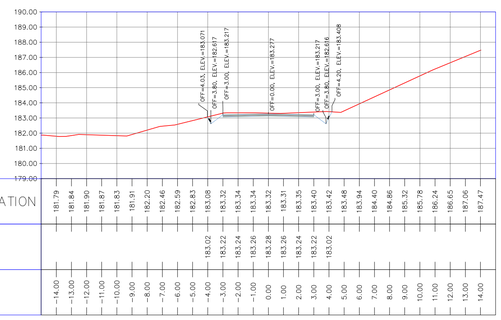
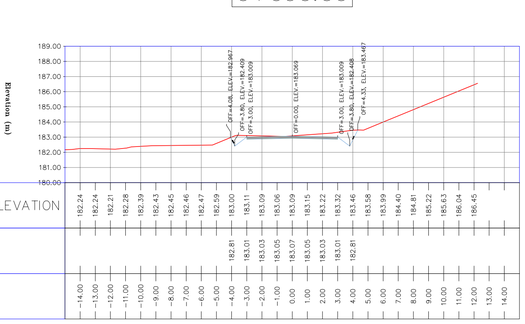


NATURAL GROUND ELEVATION	181.79	181.84	181.90	181.87	181.83	181.91	182.20	182.46	182.59	182.83	183.08	183.32	183.34	183.34	183.32	183.31	183.35	183.40	183.42	183.48	183.94	184.40	184.86	185.32	185.78	186.24	186.65	187.06	187.47
PROJECT ELEVATION											183.02	183.22	183.24	183.26	183.28	183.26	183.24	183.22	183.02										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+090.00



NATURAL GROUND ELEVATION	182.24	182.24	182.21	182.28	182.39	182.43	182.45	182.46	182.47	182.59	183.00	183.11	183.09	183.06	183.09	183.15	183.22	183.32	183.46	183.58	183.99	184.40	184.81	185.22	185.63	186.04	186.45		
PROJECT ELEVATION											182.81	183.01	183.03	183.05	183.07	183.05	183.03	183.01	182.81										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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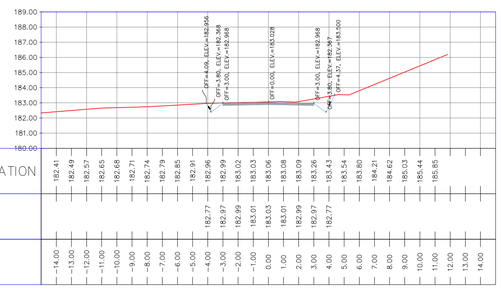

NATURAL GROUND ELEVATION	182.41	182.49	182.57	182.65	182.68	182.71	182.74	182.79	182.85	182.91	182.96	182.99	183.02	183.03	183.06	183.08	183.09	183.26	183.43	183.54	183.80	184.21	184.62	185.03	185.44	185.85			
PROJECT ELEVATION											182.77	182.97	182.99	183.01	183.03	183.01	182.99	182.97	182.77										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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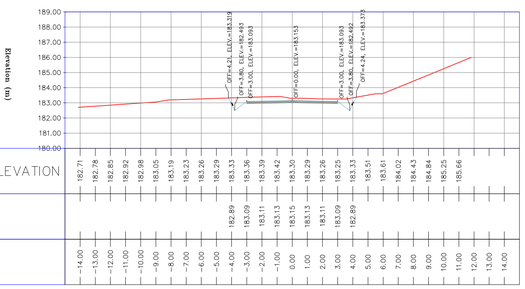
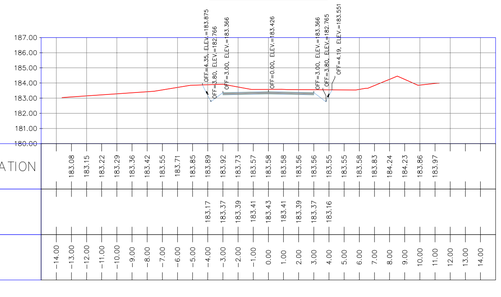


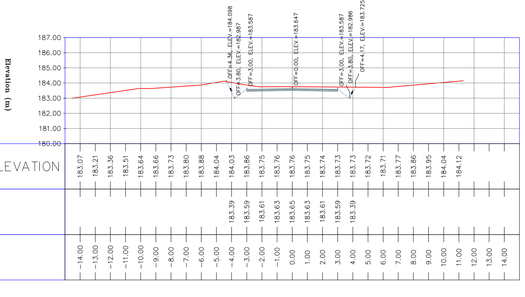
NATURAL GROUND ELEVATION	182.71	182.78	182.85	182.92	182.98	183.05	183.19	183.26	183.29	183.33	183.36	183.39	183.42	183.30	183.29	183.26	183.25	183.33	183.51	183.61	184.02	184.43	184.84	185.25	185.66				
PROJECT ELEVATION											182.89	183.09	183.11	183.13	183.15	183.13	183.11	183.09	182.89										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+120.00



NATURAL GROUND ELEVATION	183.08	183.15	183.22	183.29	183.36	183.42	183.55	183.71	183.85	183.89	183.92	183.92	183.73	183.57	183.58	183.58	183.56	183.56	183.55	183.55	183.58	183.83	184.24	184.23	183.86	183.97			
PROJECT ELEVATION											183.17	183.37	183.39	183.41	183.43	183.41	183.39	183.37	183.16										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+130.00



NATURAL GROUND ELEVATION	183.07	183.21	183.36	183.51	183.64	183.66	183.73	183.80	183.88	184.04	184.03	183.86	183.75	183.76	183.76	183.75	183.74	183.73	183.73	183.72	183.71	183.77	183.86	183.95	184.04	184.12			
PROJECT ELEVATION											183.39	183.59	183.61	183.63	183.65	183.63	183.61	183.59	183.39										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

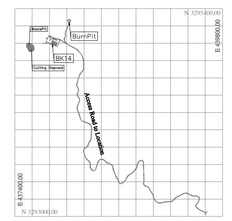
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.

اصل و کلیه نسخ این نقشه و حق اقتباس 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

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 - PEDCO

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

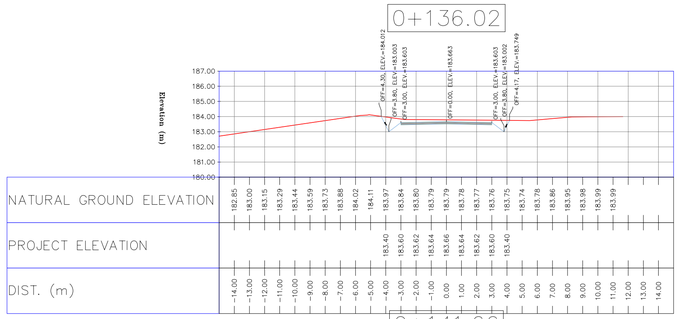
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

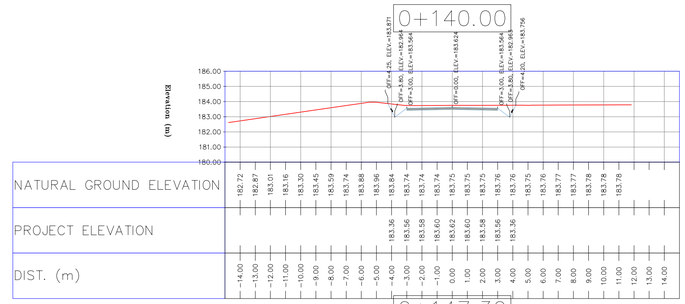
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

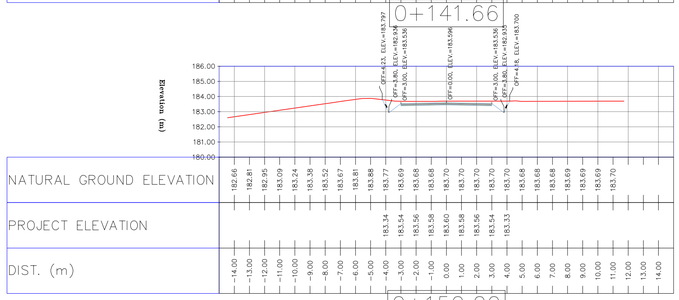
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

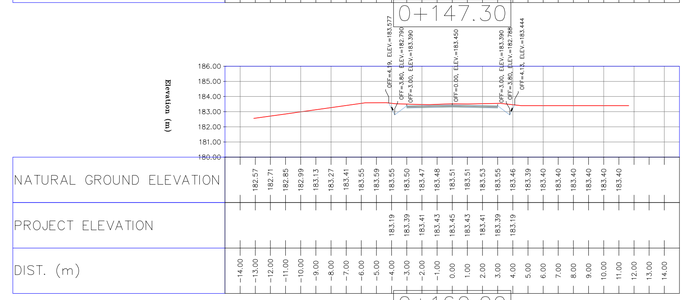
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	30 OF 98	D05

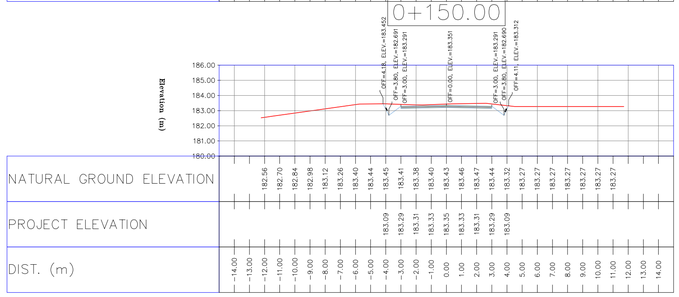
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	30	D05

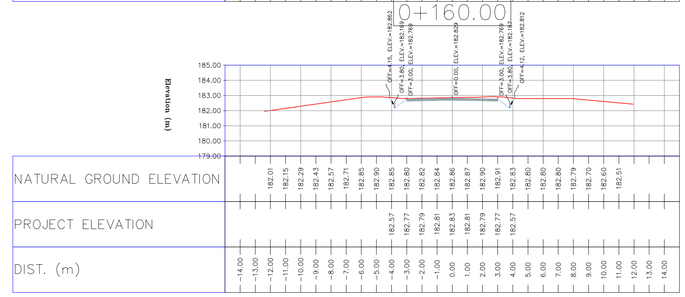


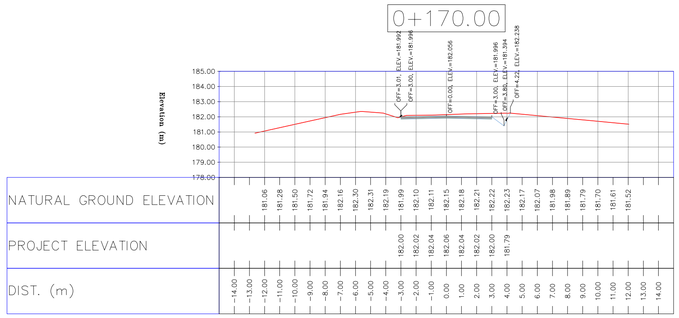


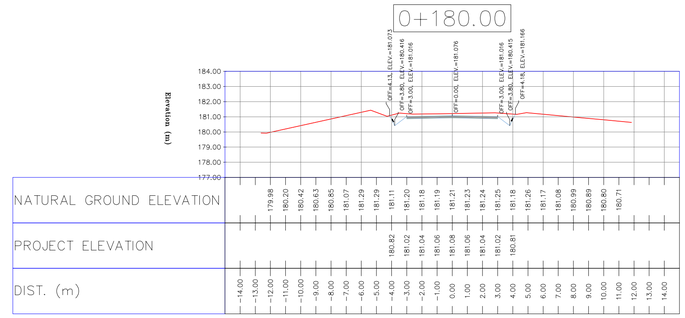


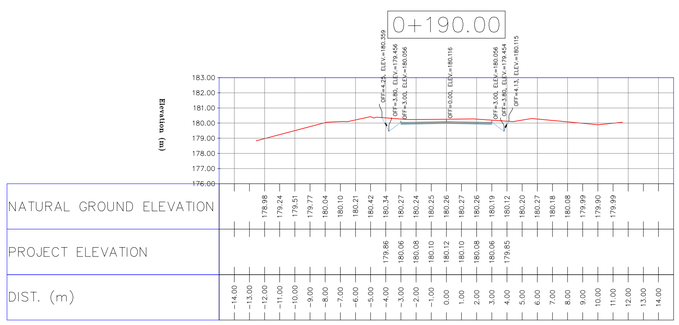


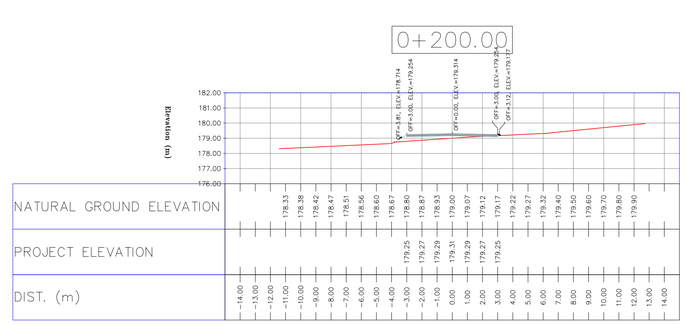












NOTES

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

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LEGEND

⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	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
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Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
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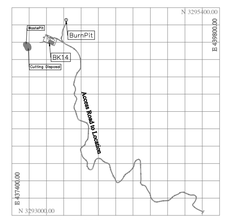
KEY PLAN



D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.

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

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 (PEDCO)

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	31 OF 98	D05

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

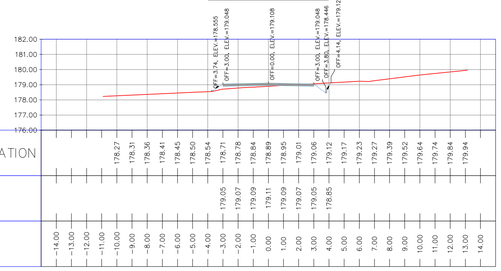
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

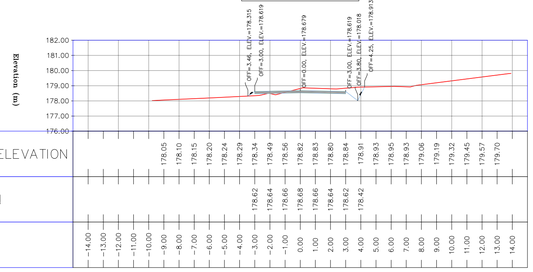
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	31	D05

0+202.97



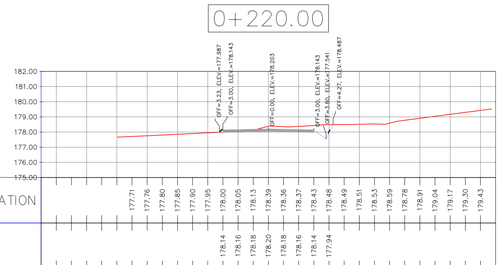
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION						178.27	178.31	178.36	178.41	178.45	178.50	178.54	178.71	178.78	178.84	178.89	178.95	179.01	179.06	179.12	179.17	179.23	179.27	179.39	179.52	179.64	179.74	179.84	179.94
PROJECT ELEVATION												179.05	179.07	179.09	179.11	179.09	179.07	179.05	178.85										

0+210.00



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION						178.05	178.10	178.15	178.20	178.24	178.29	178.34	178.49	178.56	178.82	178.83	178.80	178.84	178.91	178.93	178.95	178.93	178.95	179.06	179.19	179.32	179.45	179.57	179.70
PROJECT ELEVATION												178.62	178.64	178.66	178.68	178.66	178.64	178.62	178.42										

0+220.00



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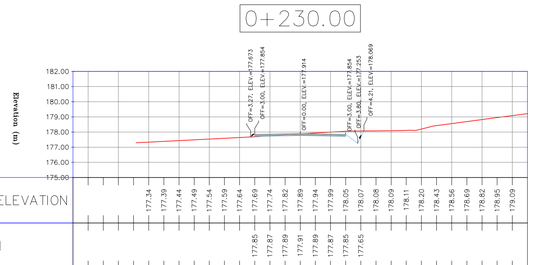
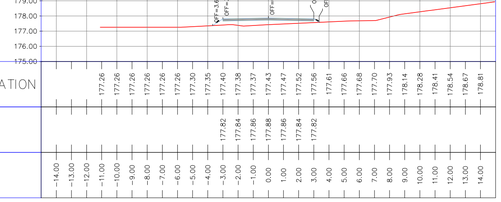
NATURAL GROUND ELEVATION						177.71	177.76	177.80	177.85	177.90	177.95	178.00	178.05	178.13	178.39	178.36	178.37	178.43	178.48	178.49	178.51	178.53	178.59	178.78	178.91	179.04	179.17	179.30	179.43
PROJECT ELEVATION												178.14	178.16	178.18	178.20	178.18	178.16	178.14	177.94										

0+230.00



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION						177.34	177.39	177.44	177.49	177.54	177.59	177.64	177.69	177.74	177.82	177.89	177.94	177.99	178.05	178.07	178.08	178.09	178.11	178.20	178.43	178.56	178.69	178.82	178.95	179.09
PROJECT ELEVATION												177.85	177.87	177.89	177.91	177.89	177.87	177.85	177.65										

0+240.00



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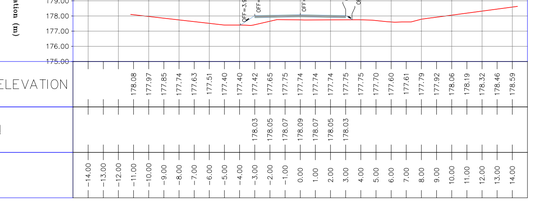
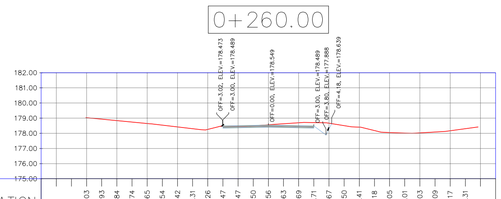
NATURAL GROUND ELEVATION						177.26	177.26	177.26	177.26	177.26	177.30	177.35	177.40	177.38	177.43	177.47	177.52	177.56	177.61	177.66	177.68	177.70	177.83	178.14	178.28	178.41	178.54	178.67	178.81
PROJECT ELEVATION												177.82	177.84	177.86	177.88	177.86	177.84	177.82											

0+250.00



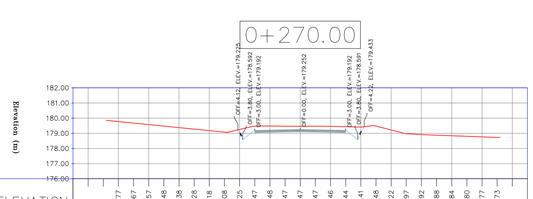
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION						178.08	177.97	177.85	177.74	177.63	177.51	177.40	177.42	177.65	177.75	178.07	178.09	177.74	177.74	177.75	177.70	177.60	177.61	177.79	177.92	178.06	178.19	178.32	178.46	178.59
PROJECT ELEVATION												178.03	178.05	178.07	178.09	178.07	178.05	178.03											

0+260.00



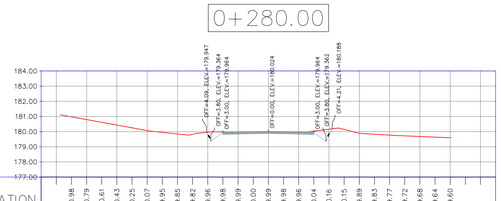
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION						179.03	178.93	178.84	178.74	178.65	178.54	178.42	178.31	178.26	178.47	178.47	178.50	178.56	178.63	178.69	178.71	178.67	178.50	178.41	178.18	178.05	178.03	178.09	178.17	178.31
PROJECT ELEVATION												178.49	178.51	178.53	178.55	178.53	178.51	178.49	178.29										

0+270.00



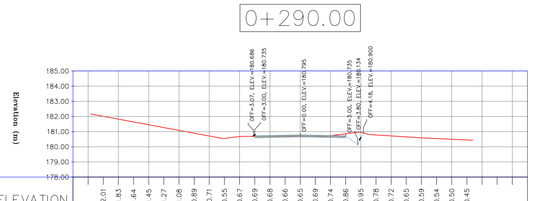
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION						179.77	179.67	179.57	179.48	179.38	179.28	179.18	179.08	179.25	179.47	179.48	179.47	179.47	179.46	179.44	179.41	179.48	179.22	178.97	178.88	178.84	178.80	178.77	178.73
PROJECT ELEVATION												178.99	179.19	179.21	179.23	179.25	179.23	179.21	179.19	178.99									

0+280.00



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION						180.98	180.79	180.61	180.43	180.25	180.07	179.95	179.85	179.82	179.96	179.98	179.99	180.00	180.02	179.98	179.96	180.04	180.16	180.15	179.89	179.83	179.77	179.72	179.68	179.60
PROJECT ELEVATION												179.76	179.96	179.98	180.00	180.00	179.98	179.96	179.76										

0+290.00



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION						182.01	181.83	181.64	181.45	181.27	181.08	180.89	180.71	180.55	180.67	180.69	180.68	180.66	180.65	180.69	180.74	180.86	180.95	180.78	180.72	180.65	180.59	180.54	180.50	180.45
PROJECT ELEVATION												180.74	180.76	180.78	180.80	180.78	180.76	180.74	180.53										

NOTES

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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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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-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
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ABBREVIATION

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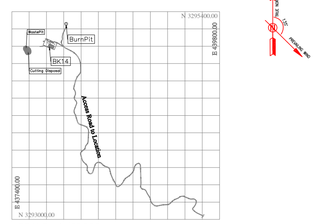
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	32 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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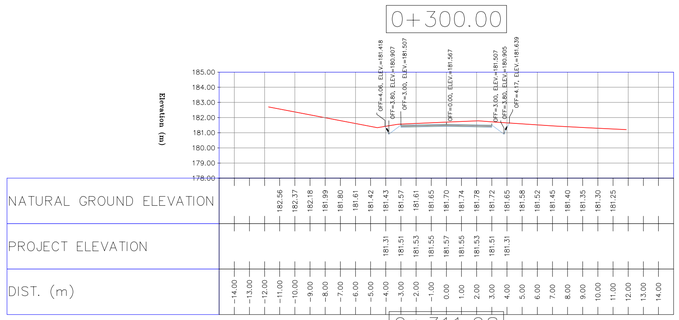
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

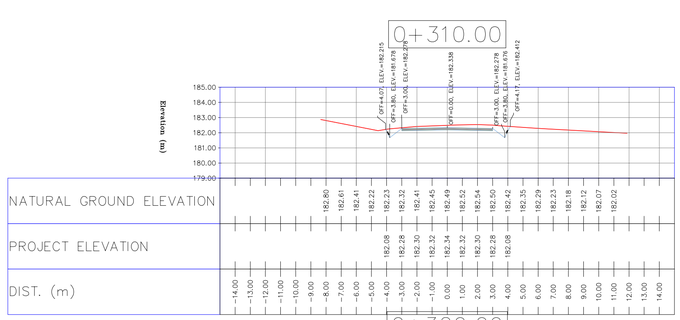
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

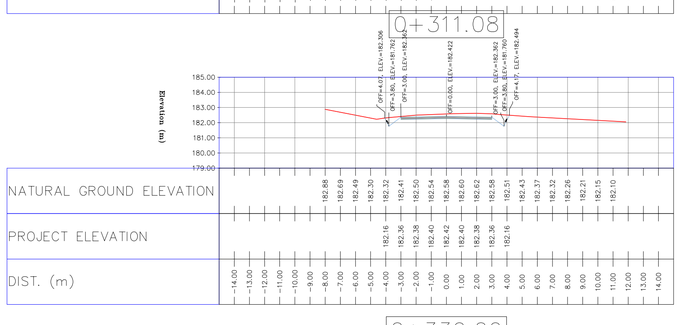
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

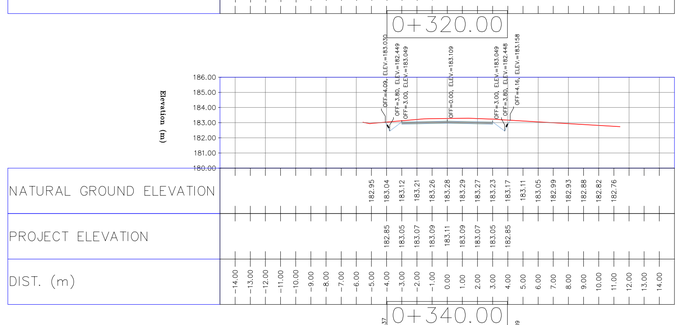
APPROVED FOR CONSTRUCTION | BY: | DATE:

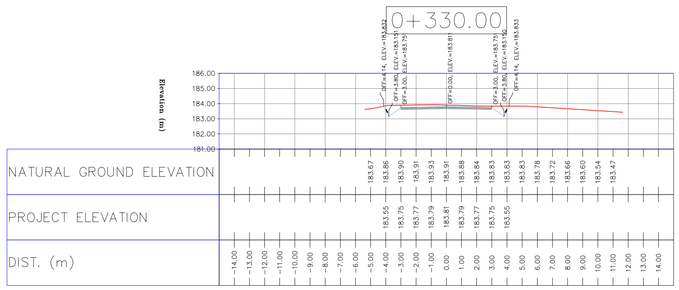
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	32	0005

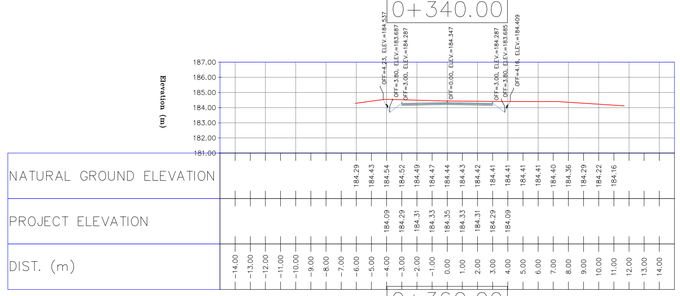


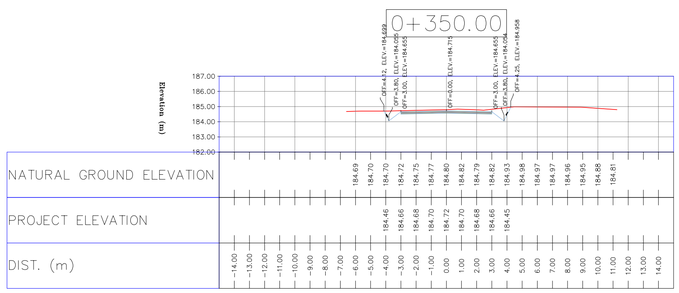


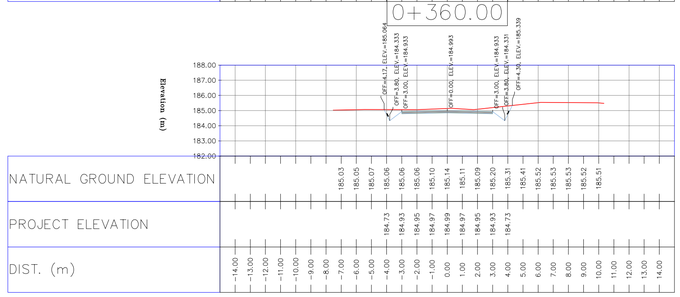


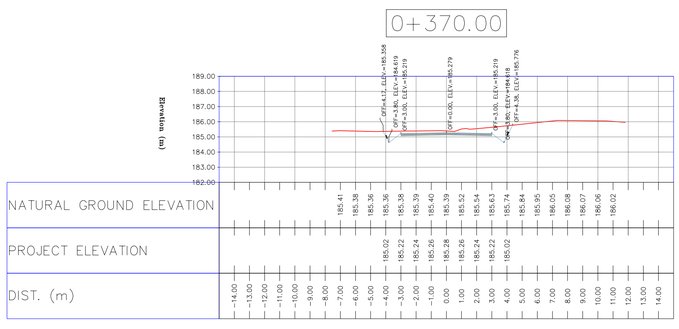


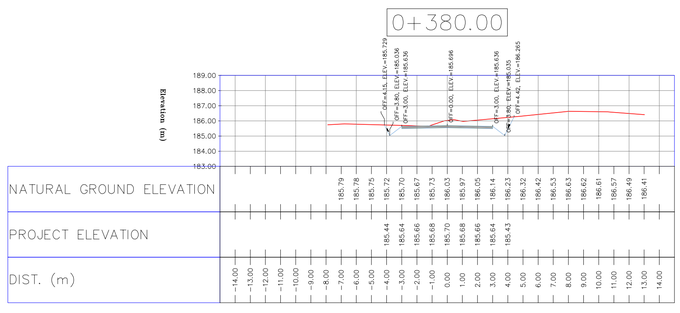












NOTES

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VERTICAL DATUM:	MSL

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LEGEND

WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	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-GNRAL-PEDCO-000-CV-SP-0004
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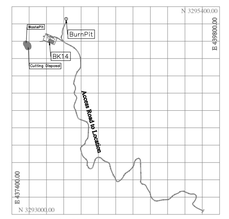
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	33 OF 98	D05

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BINAK OILFIELD DEVELOPMENT
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BK14 WHF MODIFICATIONS

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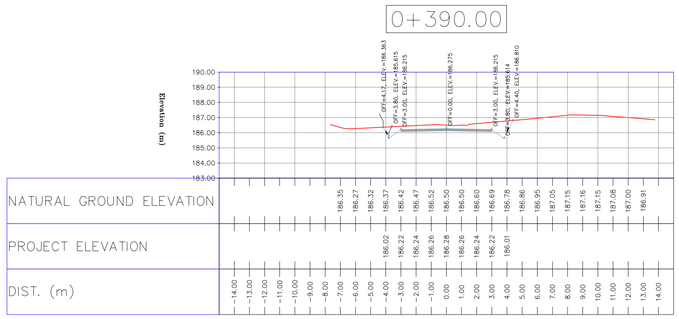
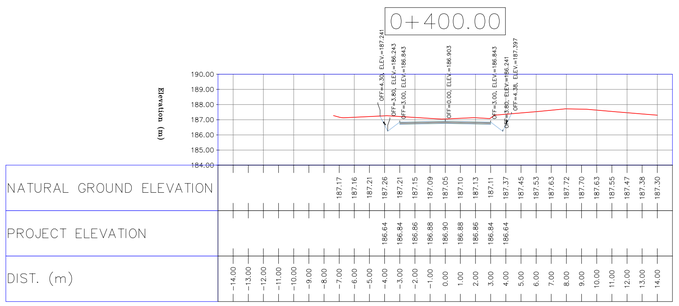
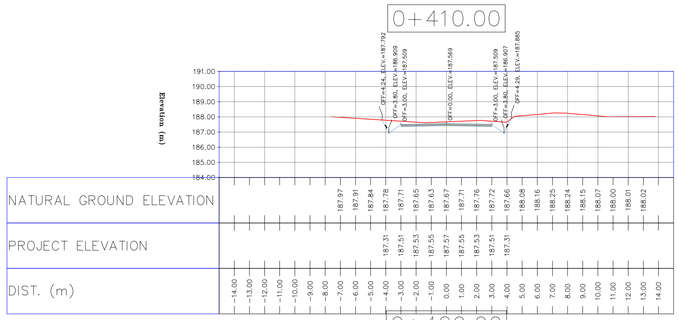
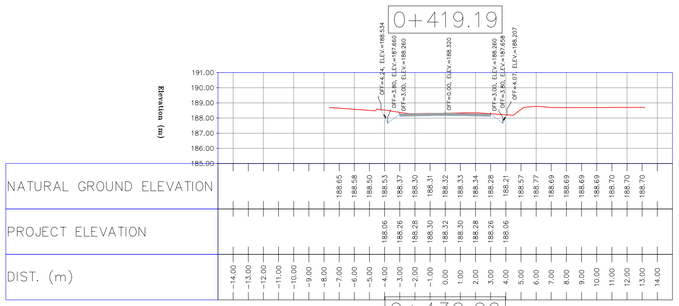
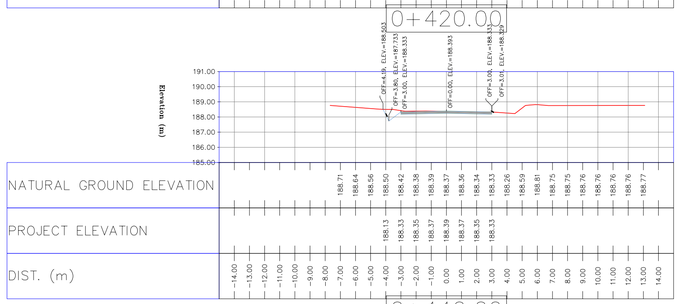
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	33	D05

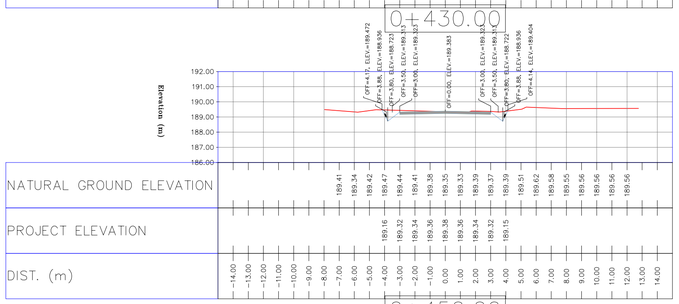


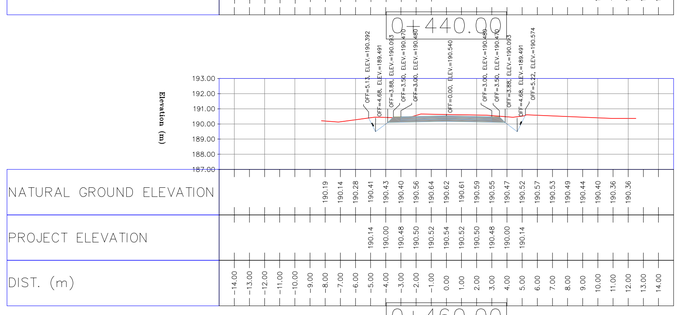


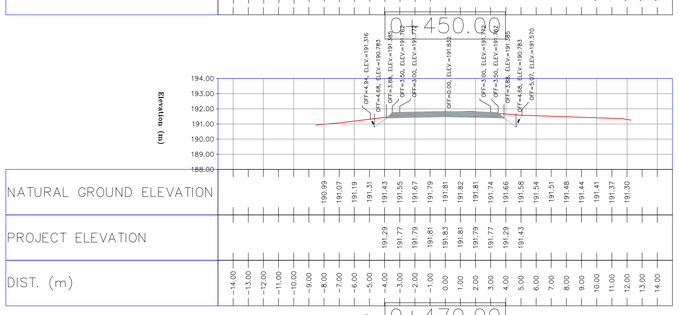


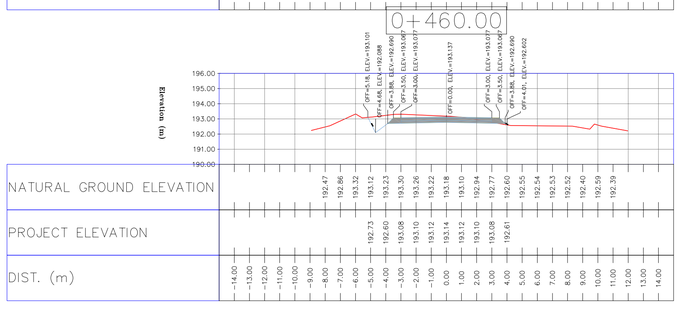


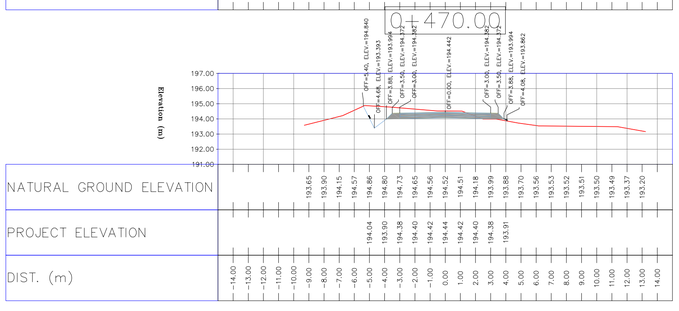












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REFERENCE DRAWING	DRG. No.
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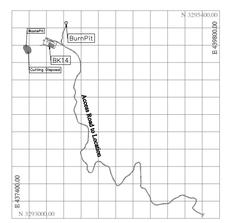
KEY PLAN



SCALE: 1/35000

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D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 — PEDCO

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	34 OF 98	D05

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

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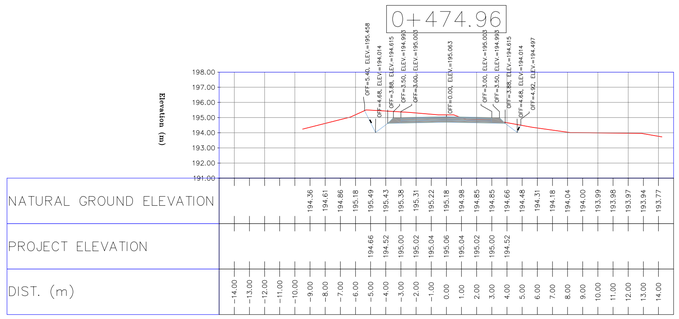
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

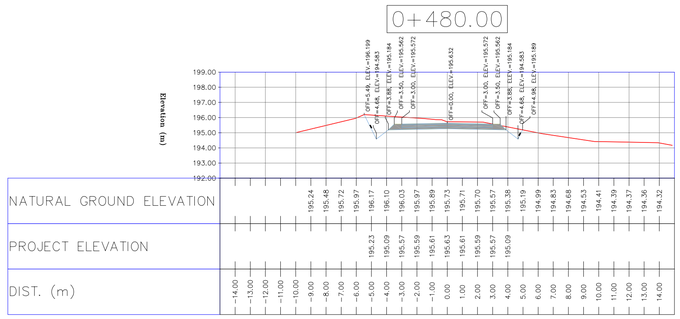
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

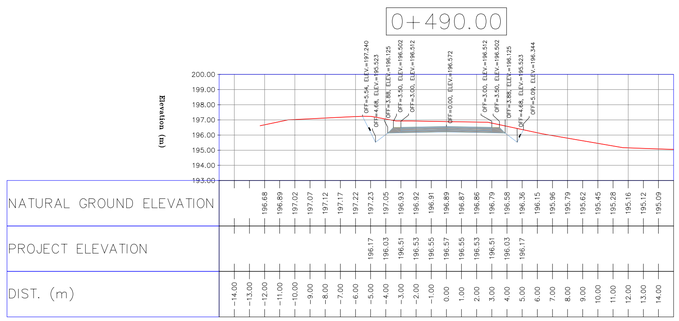
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

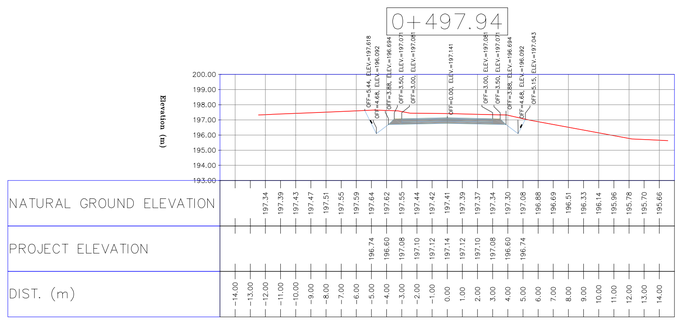
APPROVED FOR CONSTRUCTION | BY: | DATE:

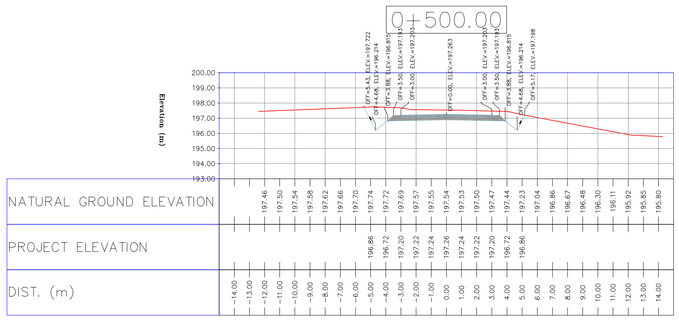
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	34	D05

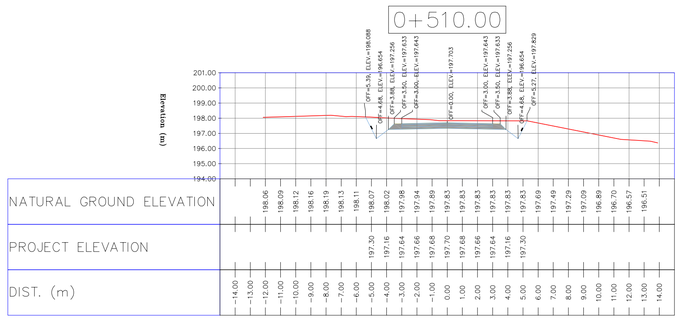


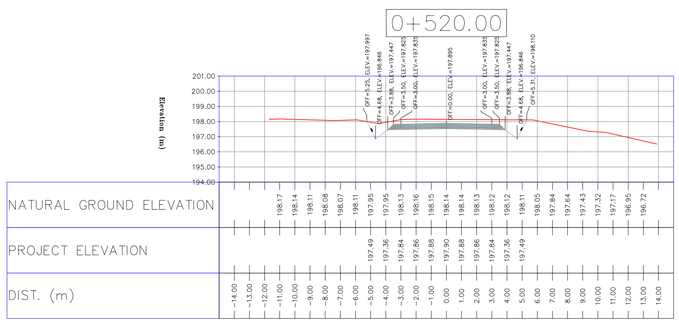


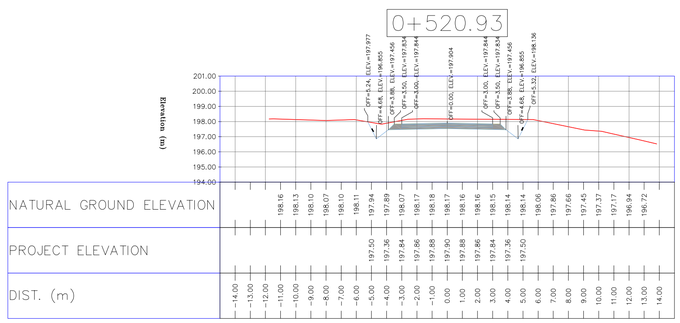












NOTES

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HORIZONTAL COORDINATE SYSTEM:	WGS84/UTM ZONE 39
ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	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-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
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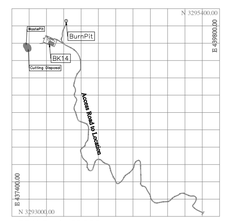
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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PROJECT NO.: 971020

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

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

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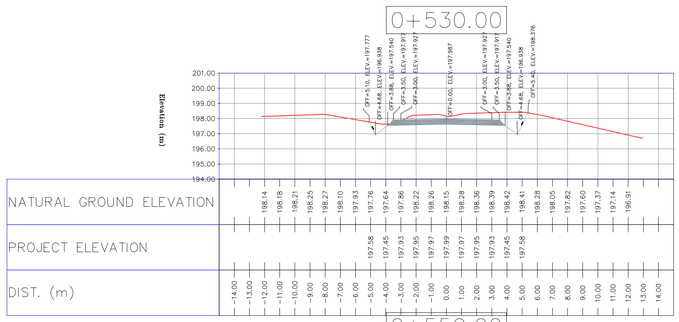
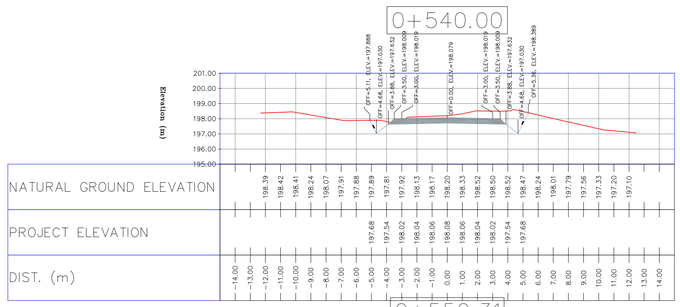
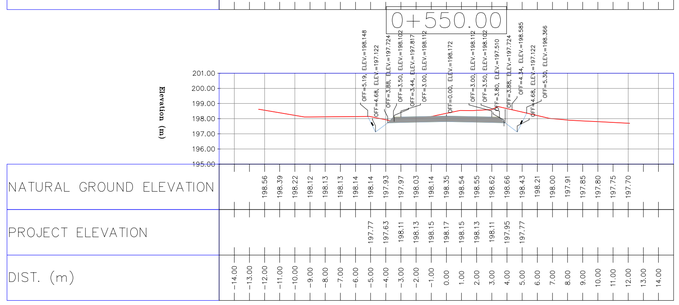
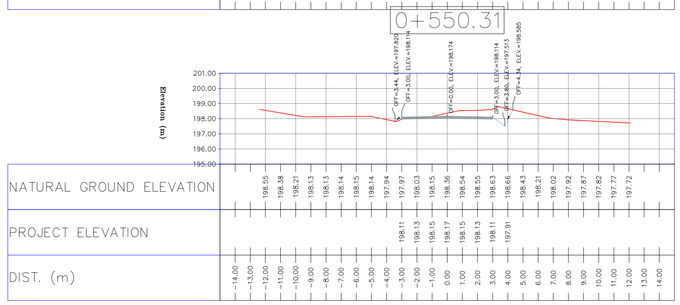
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	35 OF 98	D05

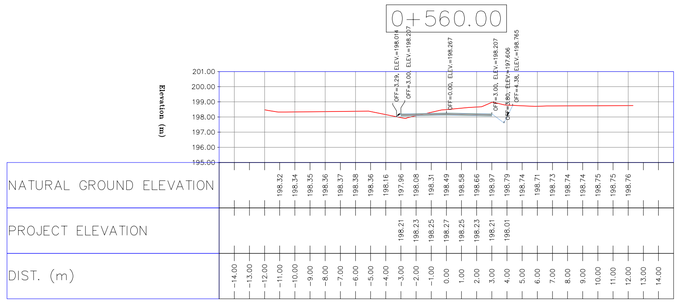
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	35	D05

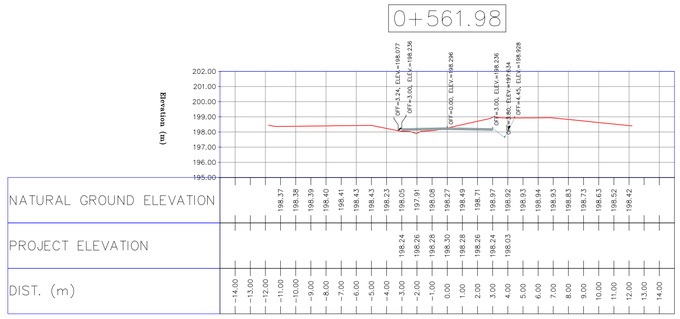


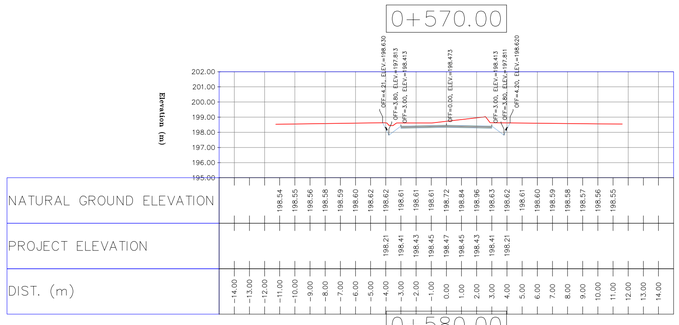


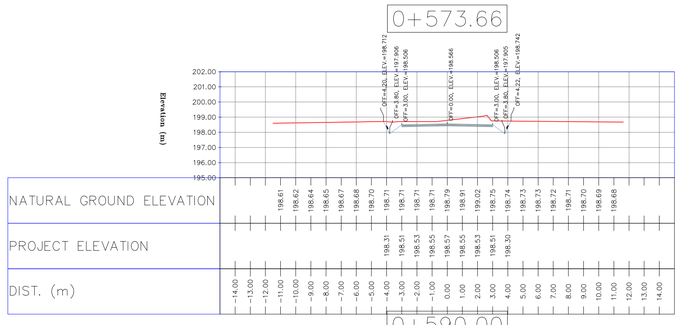


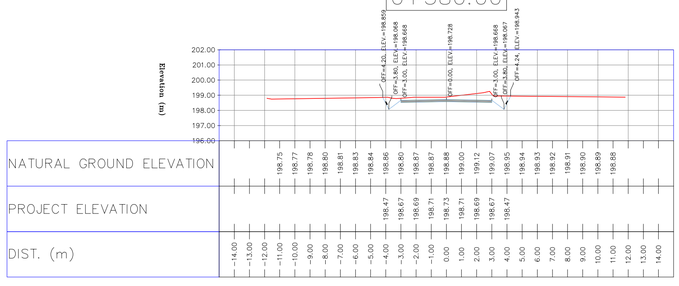


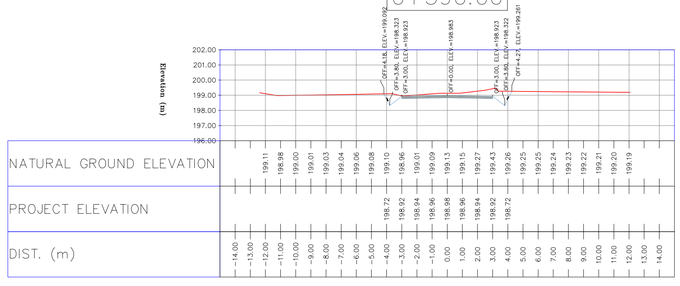












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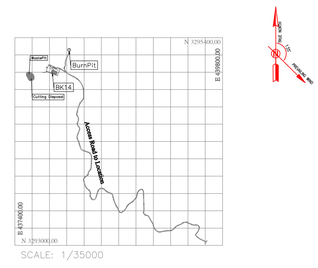
KEY PLAN



SCALE: 1/35000

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REV.	DESCRIPTION	BY	DATE	BY	DATE
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PROJECT NO.: 971020

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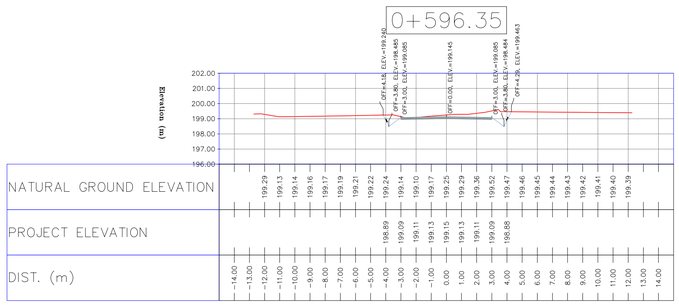
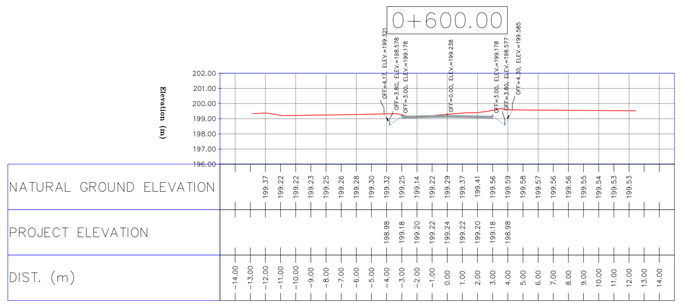
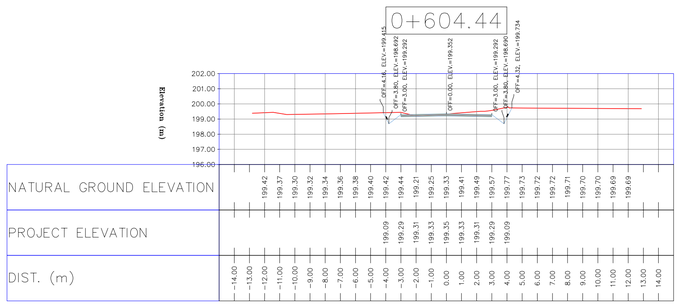
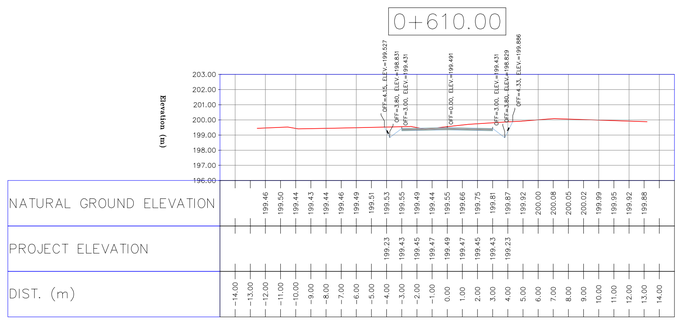
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	36 OF 98	D05

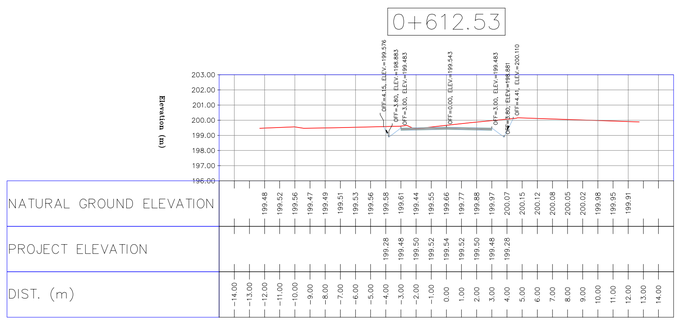
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	36	D05

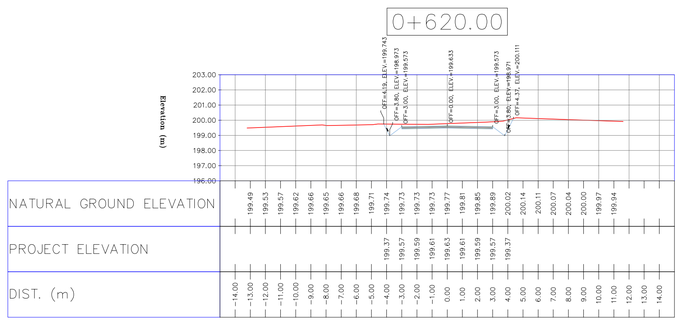


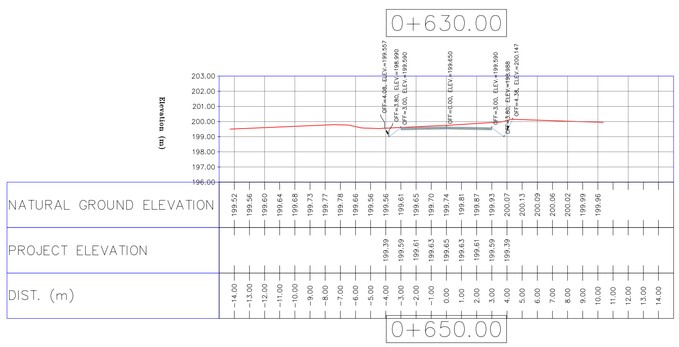


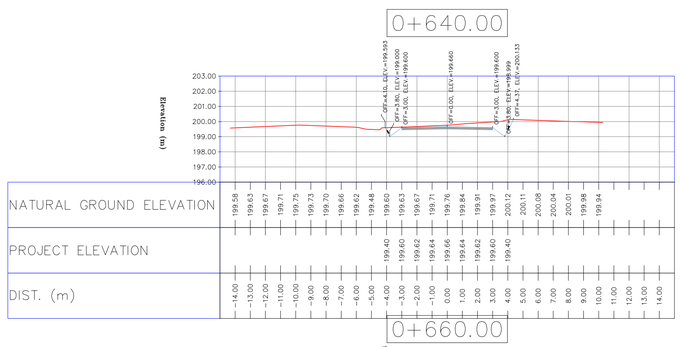


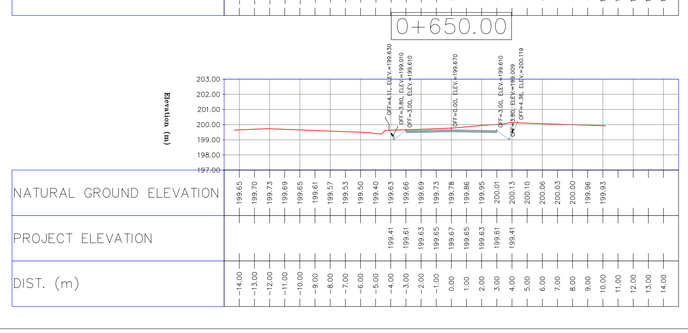


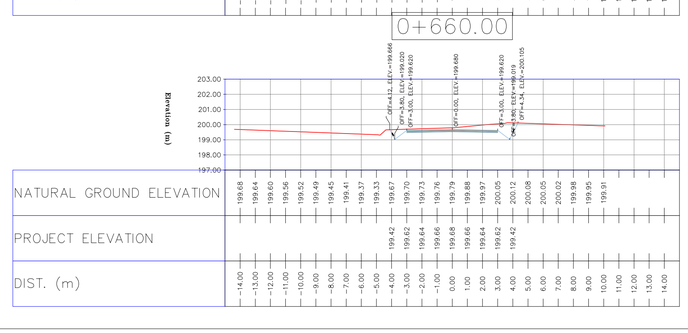












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LEGEND

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–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
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ABBREVIATION

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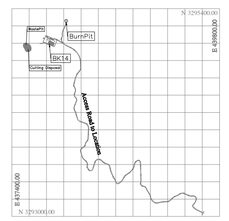
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**

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

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 — PEDCO

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	37 OF 98	D05

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

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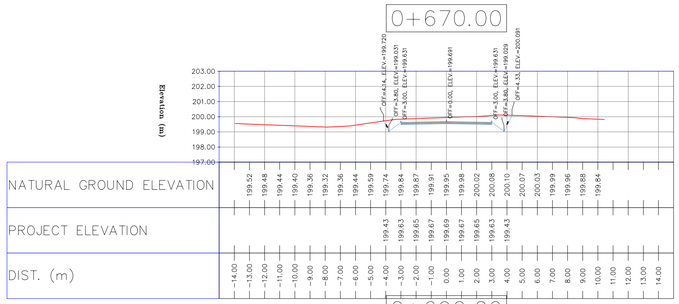
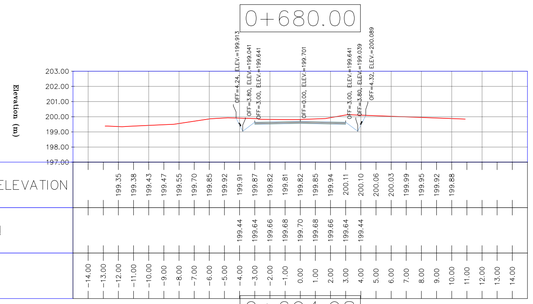
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

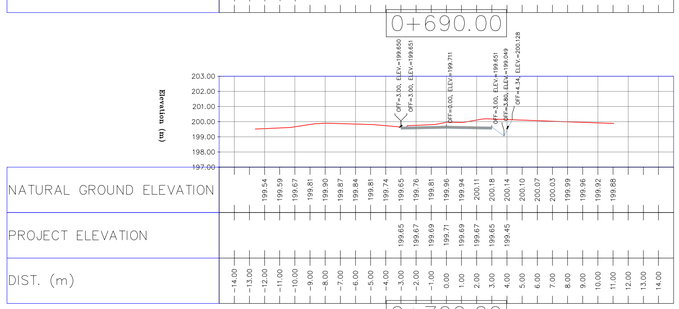
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

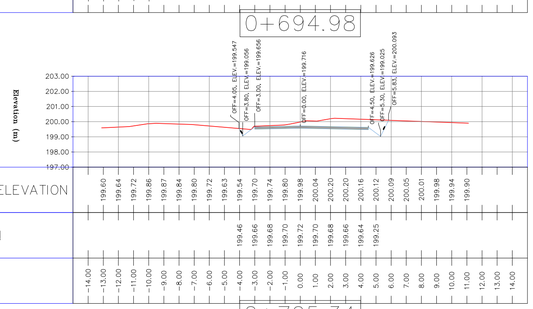
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

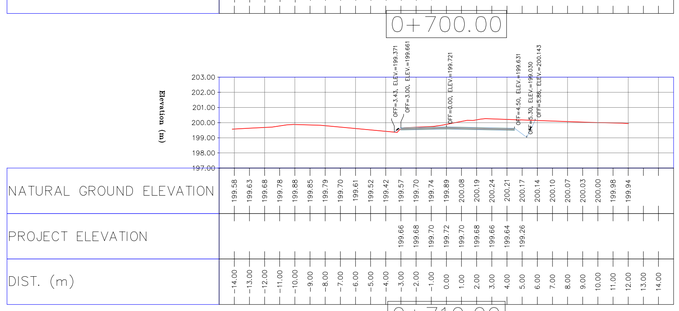
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	37	D05

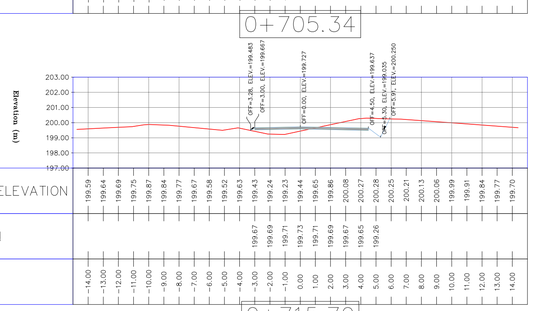


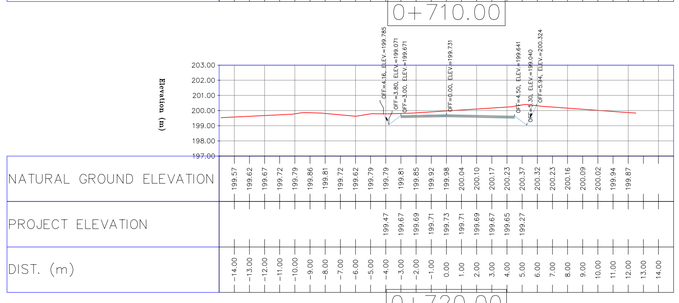


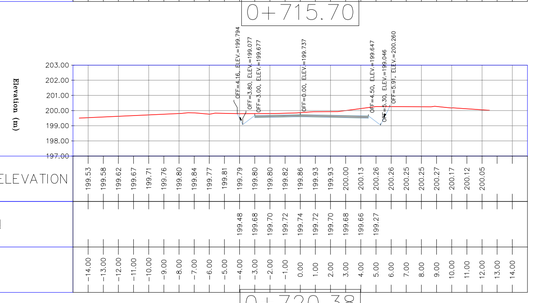


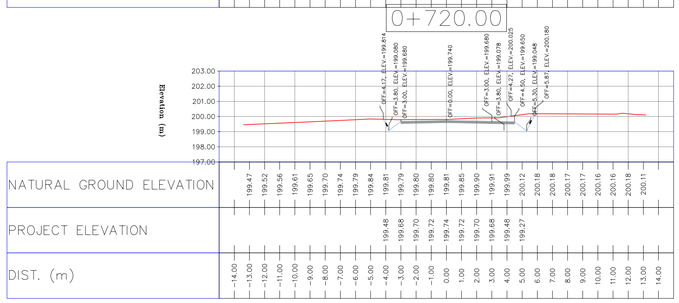


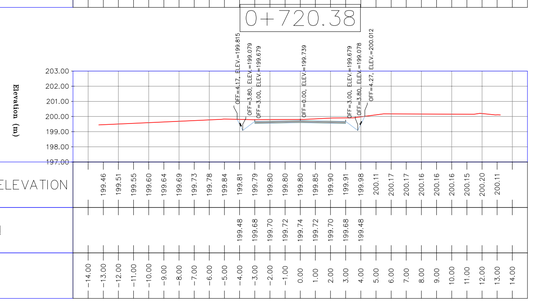












NOTES

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HORIZONTAL COORDINATE SYSTEM:	WGS84/UTM ZONE 39
ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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LEGEND

⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
▭	SITE	◁	WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	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-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
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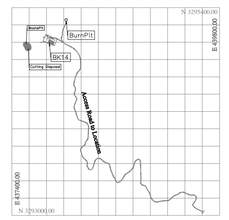
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
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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 PEDCO

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	38 OF 98	D05

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

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BINAK OILFIELD DEVELOPMENT
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BK14 WHF MODIFICATIONS

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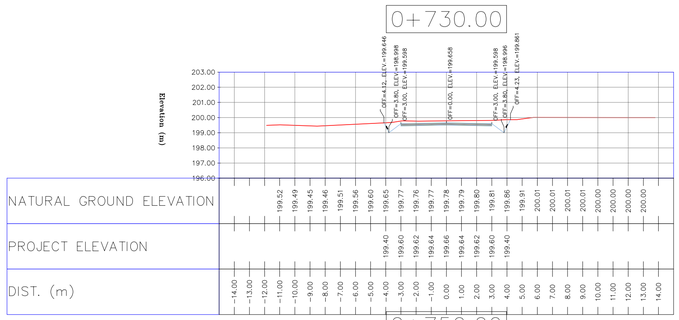
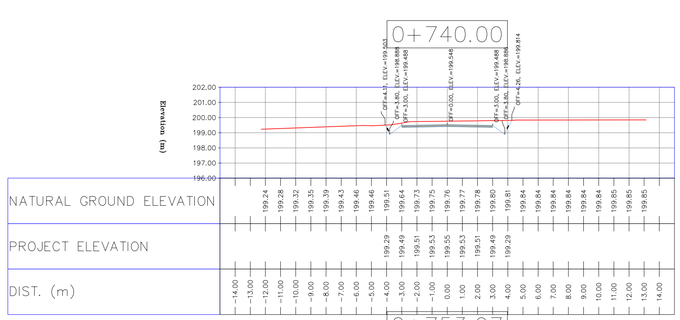
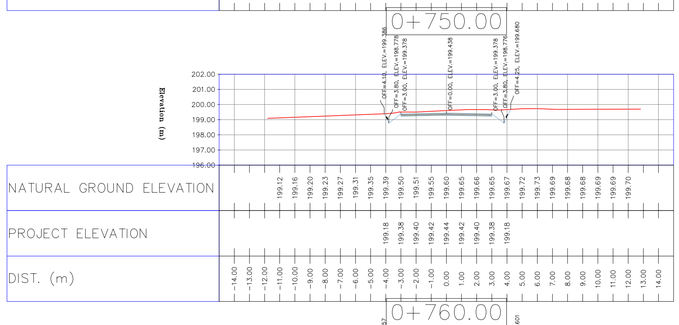
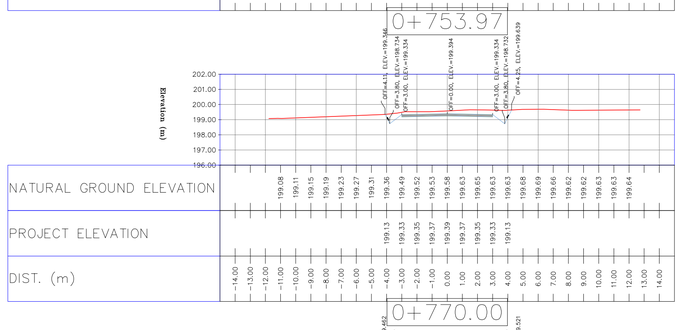
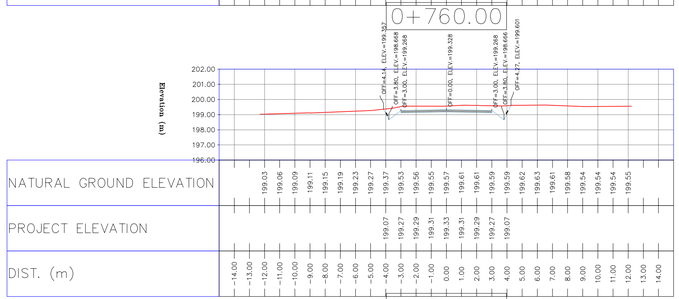
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	38	D05

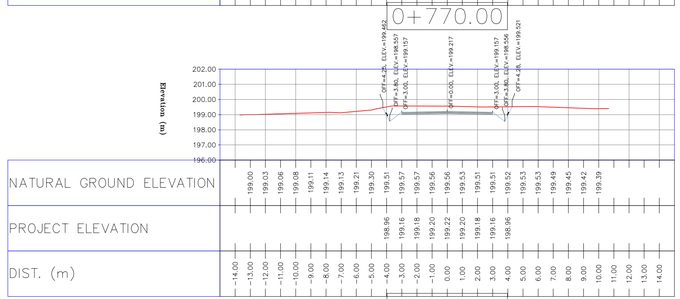


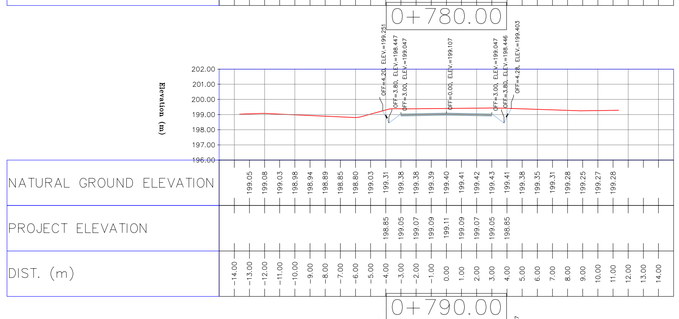


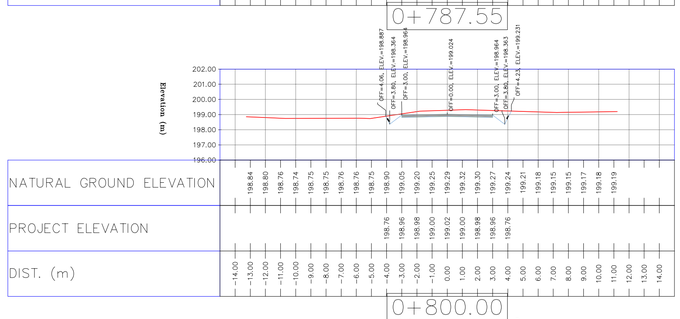


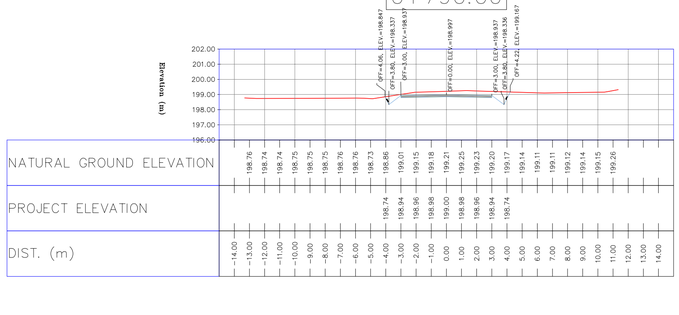


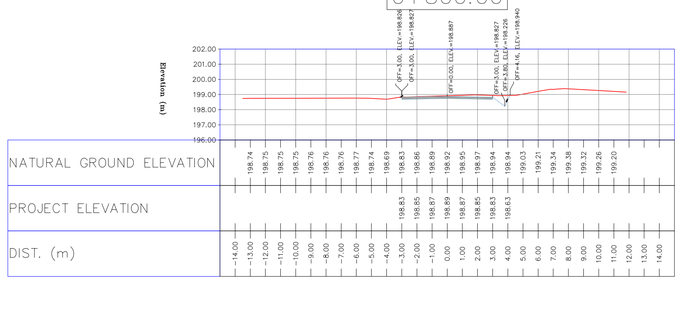












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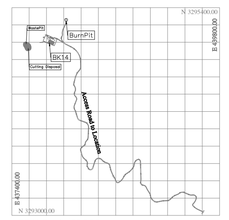
KEY PLAN



SCALE: 1/35000

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D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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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 (PEDCO)

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	39 OF 98	D05

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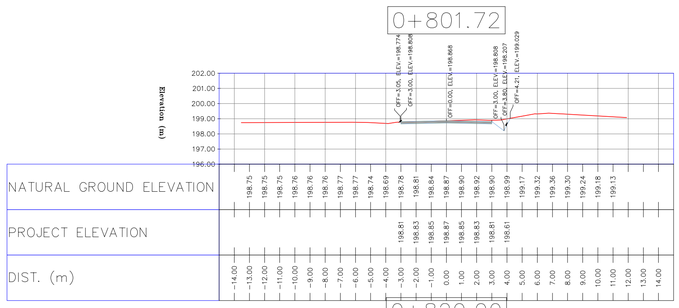
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

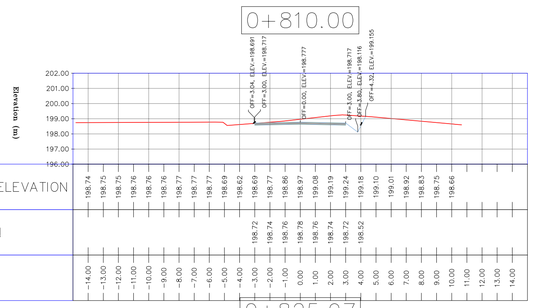
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

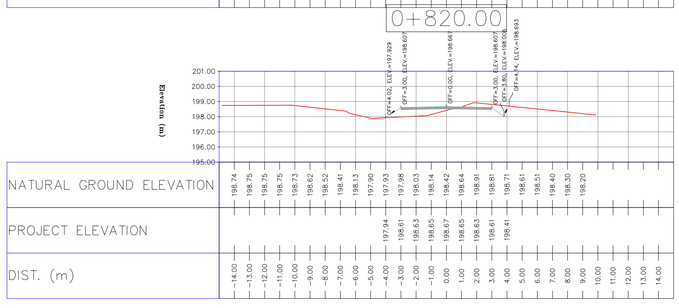
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

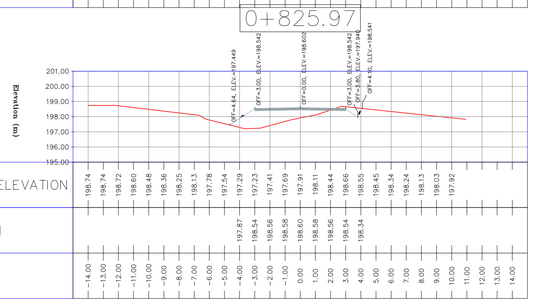
APPROVED FOR CONSTRUCTION	BY:	DATE:

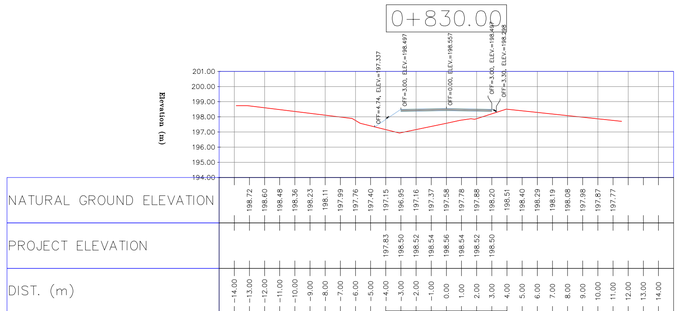
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	39	D05

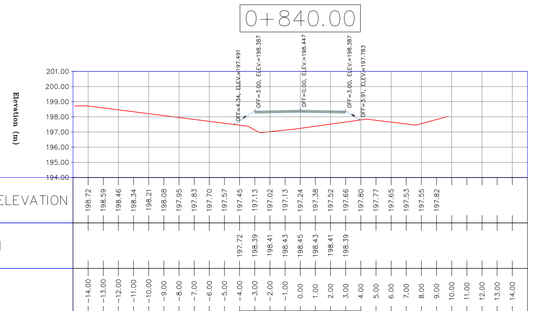


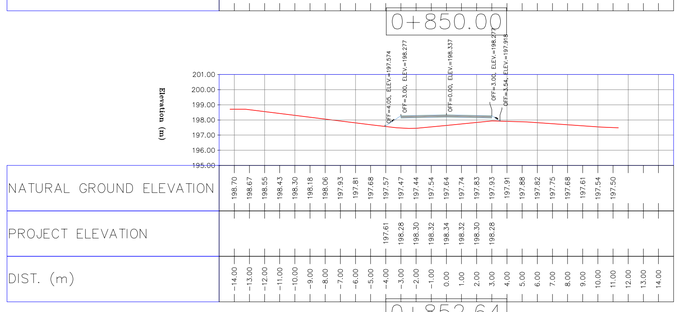


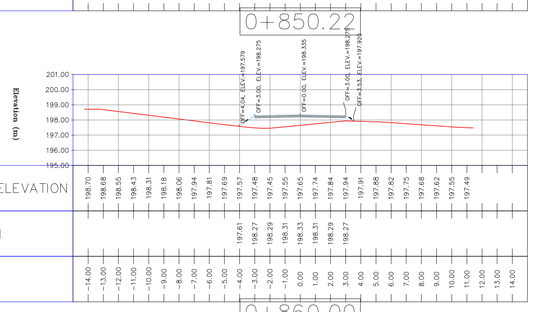


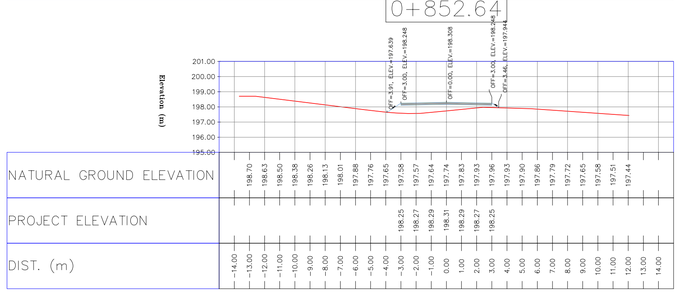


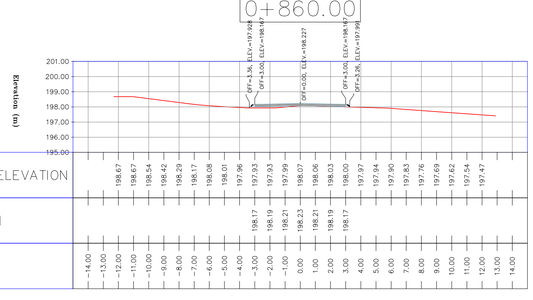












NOTES

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.

LEGEND

WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	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-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
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LVC= LENGTH OF VERTICAL CURVE
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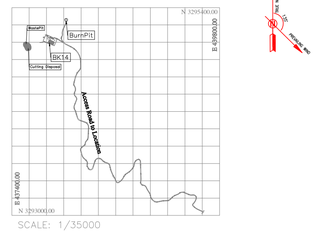
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	40 OF 98	D05

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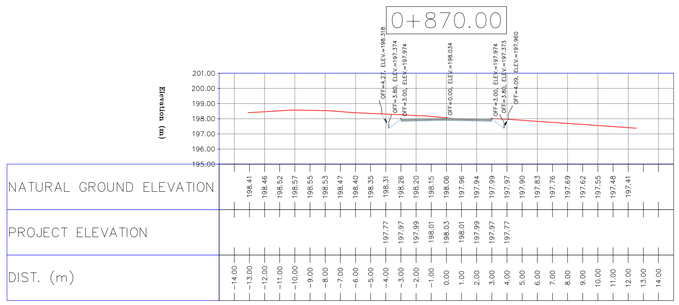
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

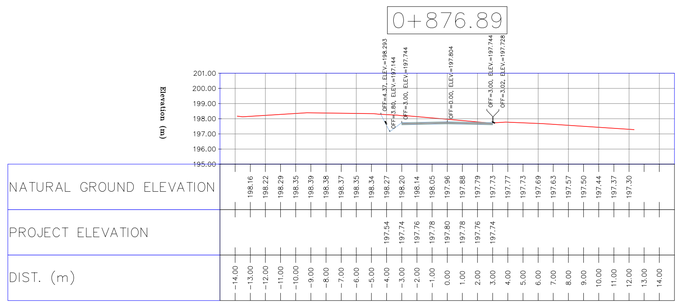
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

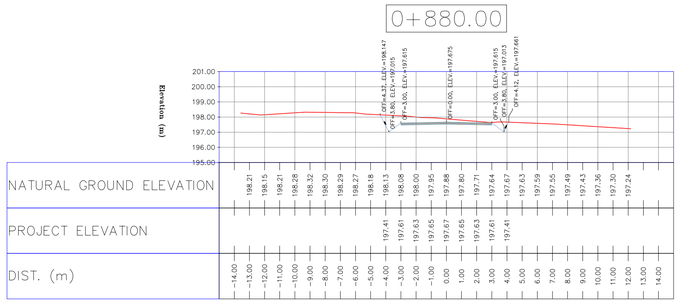
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

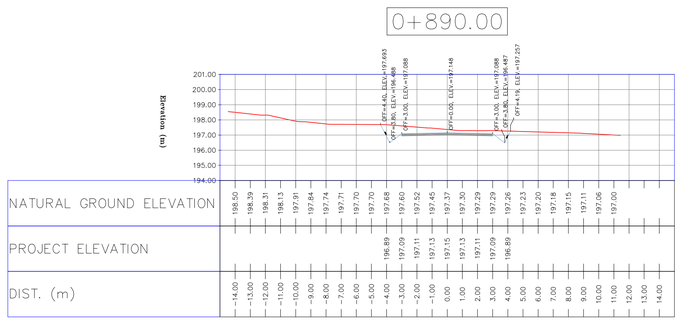
APPROVED FOR CONSTRUCTION | BY: | DATE:

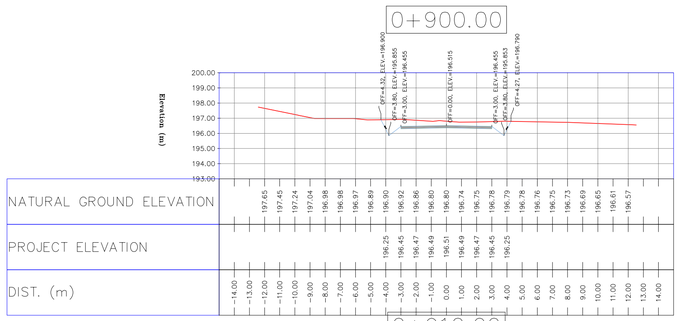
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	40	D05

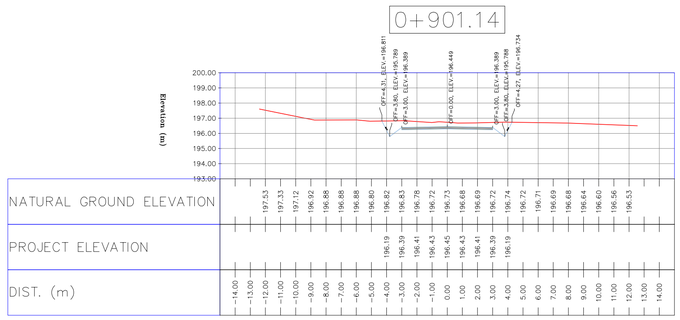


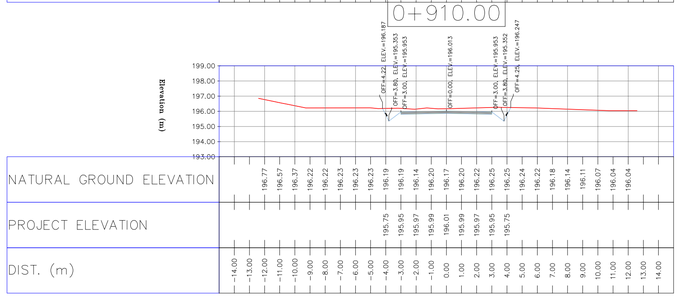


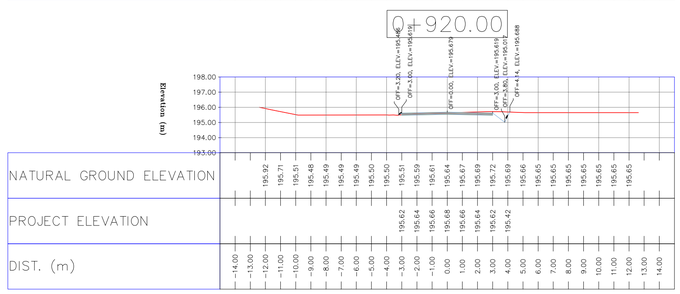


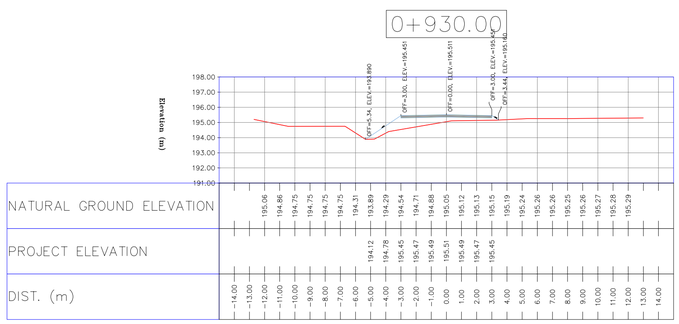


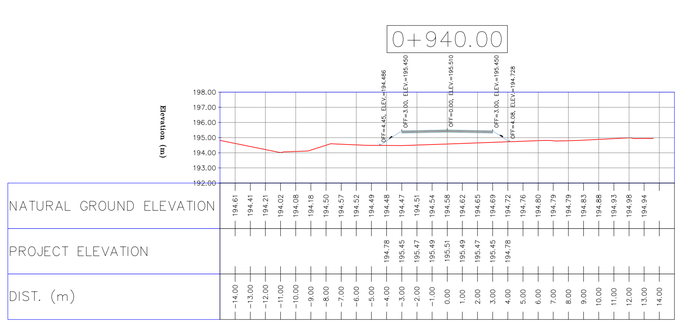












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LEGEND

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-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

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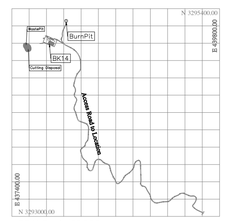
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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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 — PEDCO

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

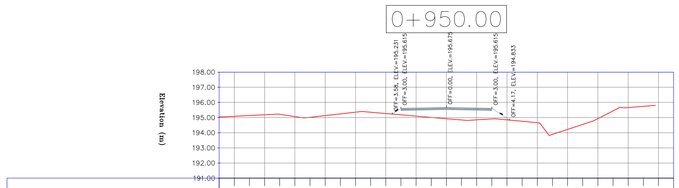
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	41 OF 98	D05

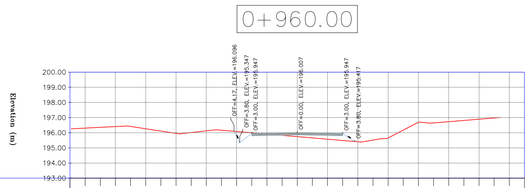
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	41	D05

0+950.00



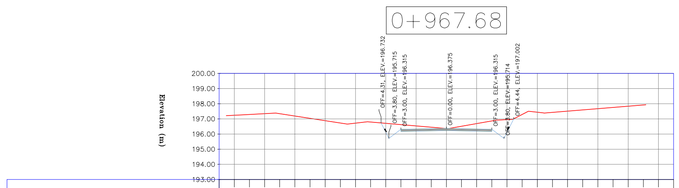
NATURAL GROUND ELEVATION	195.08	195.13	195.19	195.22	195.07	195.01	195.13	195.24	195.35	195.35	195.27	195.18	195.64	195.10	195.01	194.93	194.84	194.85	194.91	194.85	194.76	194.67	193.89	194.22	194.55	194.92	195.44	195.66	195.74
PROJECT ELEVATION												195.62	195.64	195.66	195.68	195.66	195.64	195.62	194.95										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+960.00



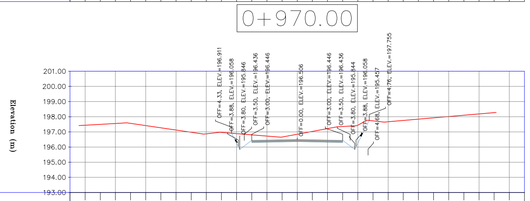
NATURAL GROUND ELEVATION	196.30	196.35	196.41	196.42	196.27	196.11	195.96	196.01	196.13	196.17	196.08	196.00	195.91	195.83	195.74	195.66	195.57	195.48	195.40	195.51	195.66	196.17	196.69	196.65	196.73	196.81	196.89	196.97	
PROJECT ELEVATION											195.75	195.95	195.97	195.99	196.01	195.99	195.97	195.95											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+967.68



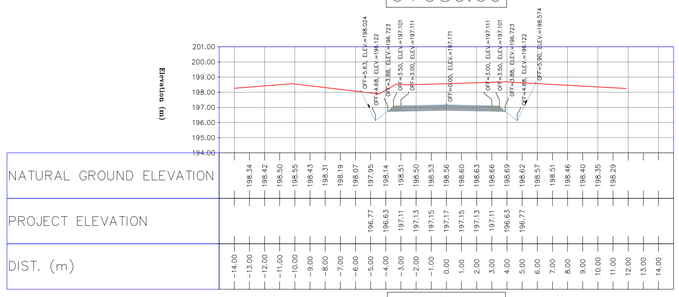
NATURAL GROUND ELEVATION	197.24	197.29	197.34	197.34	197.19	197.03	196.88	196.73	196.72	196.79	196.71	196.62	196.54	196.45	196.37	196.37	196.51	196.69	196.87	196.95	197.29	197.44	197.43	197.51	197.59	197.68	197.76	197.84	197.92
PROJECT ELEVATION											196.12	196.32	196.34	196.36	196.38	196.36	196.34	196.32	196.11										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+970.00



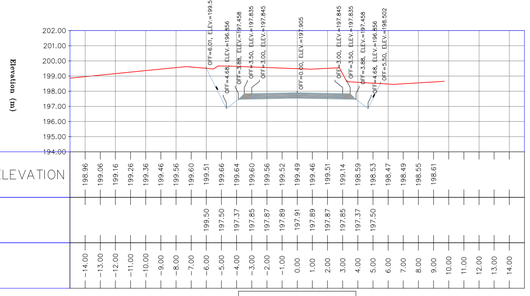
NATURAL GROUND ELEVATION	197.44	197.50	197.56	197.56	197.42	197.27	197.12	196.98	196.87	196.97	196.88	196.80	196.72	196.66	196.84	196.51	197.03	197.22	197.36	197.44	197.73	197.67	197.75	197.84	197.93	198.01	198.10	198.19	198.27
PROJECT ELEVATION											196.29	196.45	196.47	196.49	196.49	196.49	196.47	196.45	196.45	195.97									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+980.00



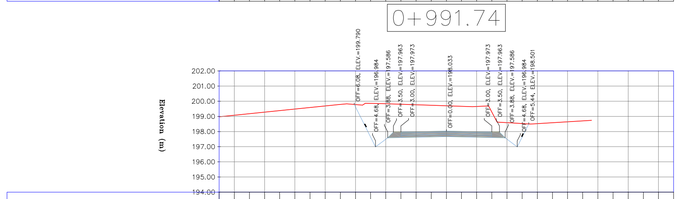
NATURAL GROUND ELEVATION	198.34	198.42	198.50	198.55	198.43	198.31	198.19	198.07	197.95	198.14	198.51	198.50	198.53	198.56	198.60	198.63	198.66	198.69	198.62	198.57	198.51	198.46	198.40	198.35	198.29				
PROJECT ELEVATION										196.77	196.63	197.11	197.13	197.15	197.17	197.15	197.13	197.11	196.63	196.77									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+990.00



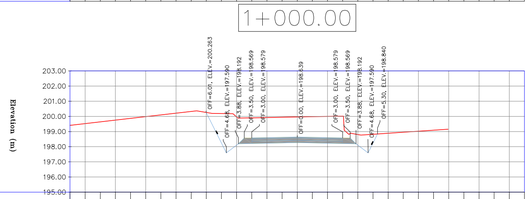
NATURAL GROUND ELEVATION	198.96	199.06	199.16	199.26	199.36	199.46	199.56	199.60	199.51	199.66	199.64	199.60	199.56	199.52	199.49	199.46	199.51	199.14	198.59	198.53	198.47	198.49	198.55	198.61					
PROJECT ELEVATION									198.50	197.50	197.37	197.85	197.87	197.89	197.91	197.89	197.87	197.85	197.37	197.50									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+991.74



NATURAL GROUND ELEVATION	199.07	199.17	199.28	199.38	199.48	199.58	199.68	199.79	199.78	199.85	199.83	199.80	199.76	199.73	199.70	199.66	199.65	199.28	198.58	198.53	198.52	198.58	198.64	198.70					
PROJECT ELEVATION								199.63	197.63	197.49	197.97	197.99	197.99	198.01	198.03	198.01	197.99	197.97	197.49	197.63									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+000.00



NATURAL GROUND ELEVATION	199.52	199.64	199.75	199.87	199.98	200.10	200.21	200.33	200.26	200.19	199.96	199.90	199.92	199.94	199.96	199.98	200.00	200.02	198.80	198.82	198.89	198.95	199.02	199.09					
PROJECT ELEVATION									200.24	198.24	198.10	198.58	198.60	198.62	198.64	198.62	198.60	198.58	198.10	198.24									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

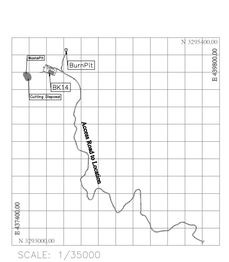
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.
***	**********	**.**	***.****	**.**	***.****	

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

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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 (PEDCO)

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

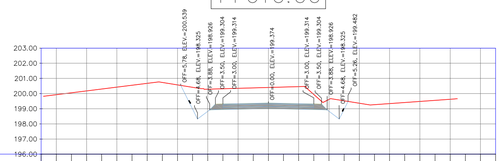
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

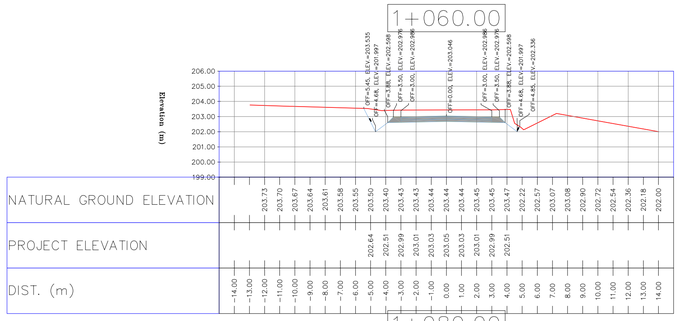
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	42 OF 98	D05

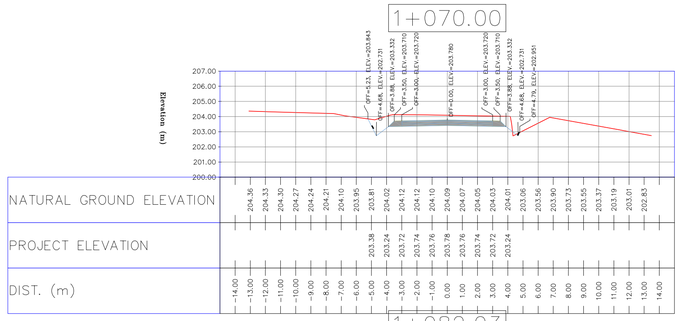
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	42	D05

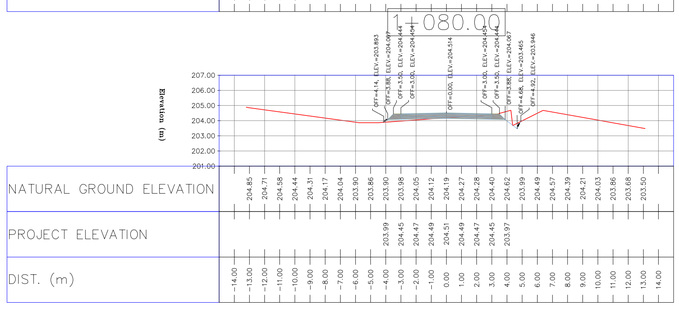
1+010.00

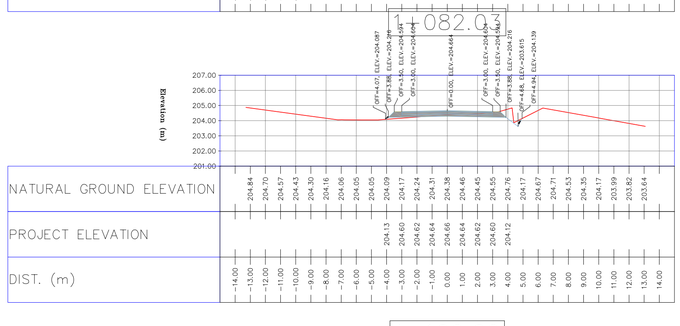

Elevation (m)
203.00
202.00
201.00
200.00
199.00
198.00
197.00
OFF=5.76, ELEV=200.539
OFF=4.68, ELEV=199.325
OFF=3.88, ELEV=198.926
OFF=3.50, ELEV=199.374
OFF=0.00, ELEV=199.374
OFF=3.50, ELEV=199.374
OFF=3.88, ELEV=198.926
OFF=4.68, ELEV=199.325
OFF=5.36, ELEV=199.482

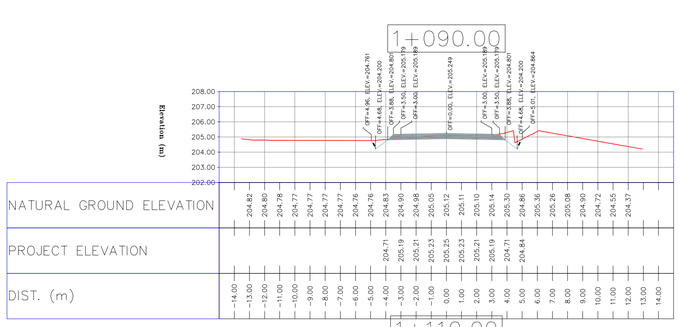
| | | |

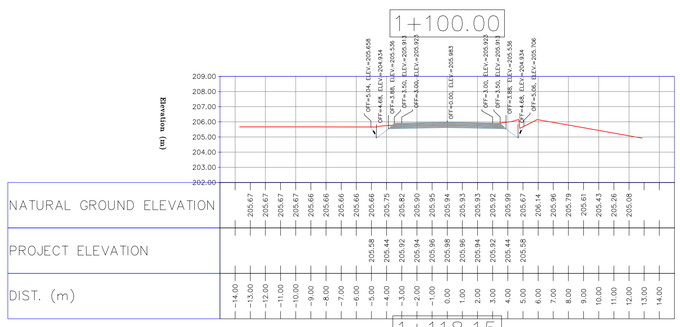


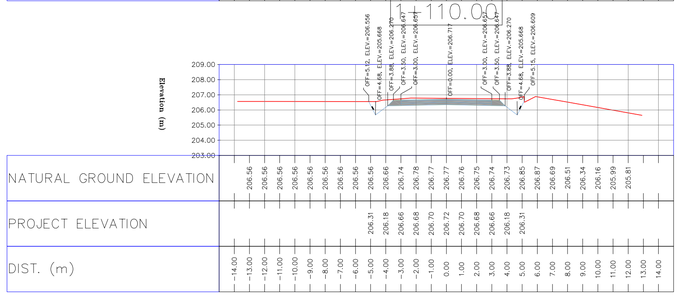


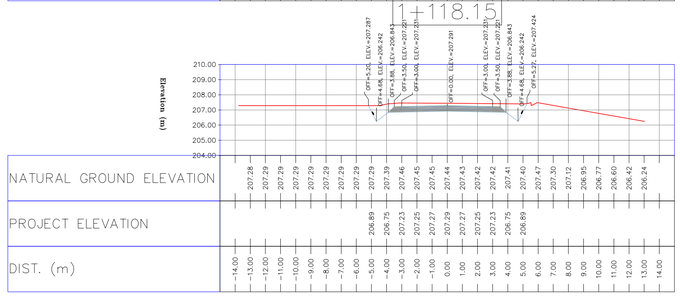


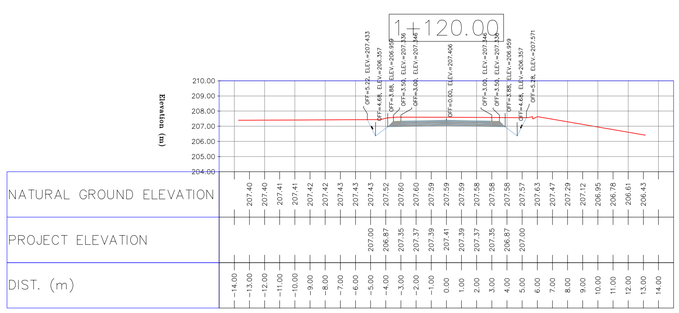


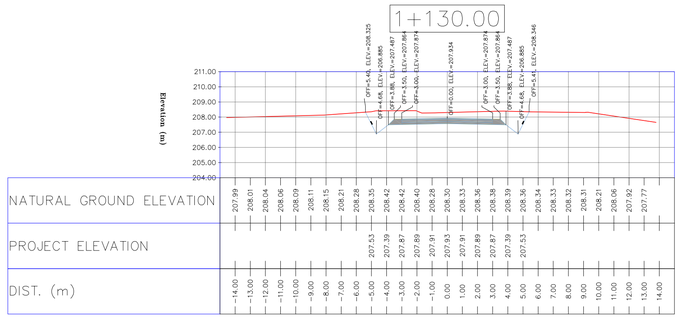












NOTES

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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

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- "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".
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LEGEND

WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	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–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

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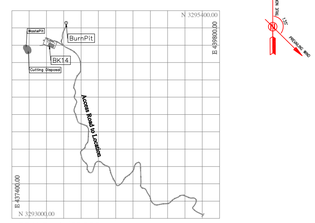
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

اصل و کلیه نسخ این نقشه و حق اقتباس 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.

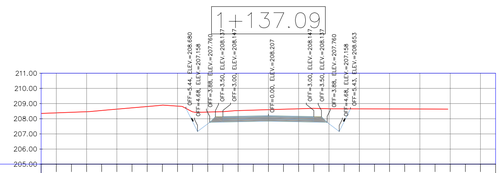
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	44 OF 98	D05

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	44	D05

1+137.09


Elevation (m)
211.00
210.00
209.00
208.00
207.00
206.00
205.00
OFF=-4.54, ELEV=208.680
OFF=-4.09, ELEV=208.158
OFF=-3.00, ELEV=207.765
OFF=-2.00, ELEV=207.672
OFF=-1.00, ELEV=208.147
OFF=0.00, ELEV=208.207
OFF=1.00, ELEV=208.147
OFF=2.00, ELEV=208.152
OFF=3.00, ELEV=207.765
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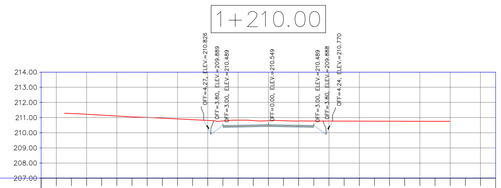
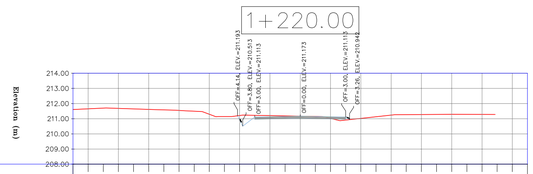
| | | |

1+210.00



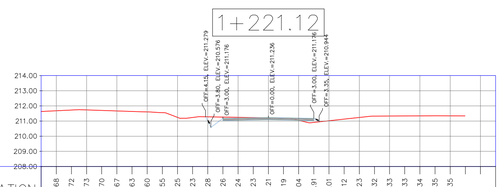
NATURAL GROUND ELEVATION	211.27	211.22	211.16	211.10	211.04	211.01	210.96	210.91	210.86	210.81	210.78	210.83	210.80	210.80	210.79	210.76	210.77	210.77	210.77	210.76	210.76	210.76	210.76	210.75	210.75				
PROJECT ELEVATION									210.29		210.49	210.51	210.53	210.55	210.53	210.51	210.49	210.29											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+220.00



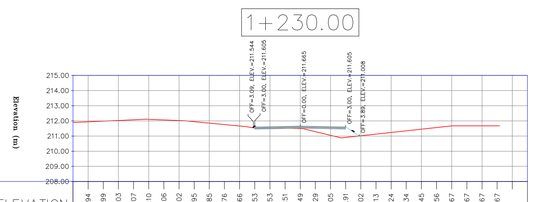
NATURAL GROUND ELEVATION	211.65	211.70	211.68	211.65	211.62	211.58	211.54	211.49	211.29	211.15	211.21	211.22	211.21	211.19	211.17	211.15	211.15	211.02	210.91	211.02	211.13	211.24	211.27	211.28	211.28				
PROJECT ELEVATION											210.91	211.11	211.13	211.15	211.17	211.15	211.13	211.11											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+221.12



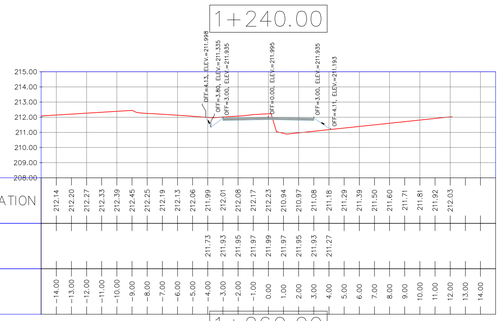
NATURAL GROUND ELEVATION	211.68	211.72	211.73	211.70	211.67	211.63	211.60	211.55	211.25	211.23	211.28	211.26	211.24	211.23	211.21	211.19	211.04	210.91	211.01	211.12	211.23	211.32	211.33	211.34	211.35	211.35			
PROJECT ELEVATION											210.98	211.18	211.20	211.22	211.24	211.22	211.20	211.18											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+230.00



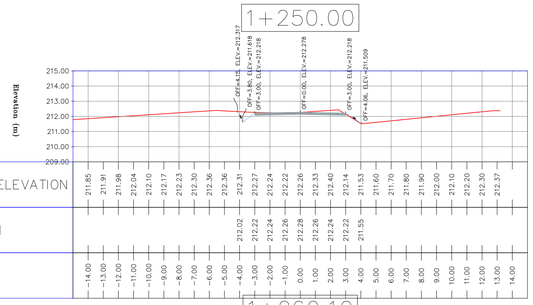
NATURAL GROUND ELEVATION	211.94	211.99	212.03	212.07	212.06	212.02	211.95	211.85	211.76	211.66	211.53	211.53	211.51	211.49	211.29	211.05	210.91	211.02	211.13	211.24	211.34	211.45	211.56	211.67	211.67	211.67			
PROJECT ELEVATION										211.60	211.62	211.64	211.66	211.64	211.62	211.60													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+240.00



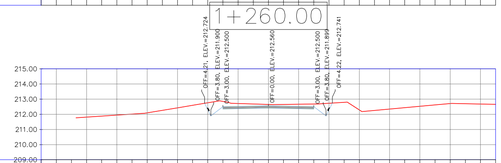
NATURAL GROUND ELEVATION	212.14	212.20	212.27	212.33	212.39	212.45	212.25	212.19	212.13	212.06	211.99	212.01	212.08	212.17	212.23	210.94	210.97	211.08	211.18	211.29	211.39	211.50	211.60	211.71	211.81	211.92	212.03		
PROJECT ELEVATION											211.73	211.93	211.95	211.97	211.99	211.97	211.95	211.93	211.27										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+250.00



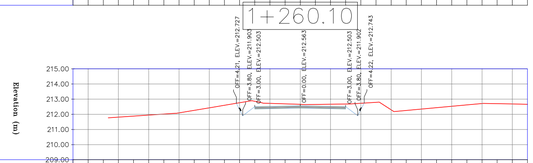
NATURAL GROUND ELEVATION	211.85	211.91	211.98	212.04	212.10	212.17	212.23	212.30	212.36	212.31	212.27	212.24	212.22	212.26	212.28	212.26	212.33	212.40	212.14	211.53	211.60	211.70	211.80	211.90	212.00	212.10	212.20	212.30	212.37
PROJECT ELEVATION											212.02	212.22	212.24	212.26	212.28	212.26	212.24	212.22	211.55										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+260.00



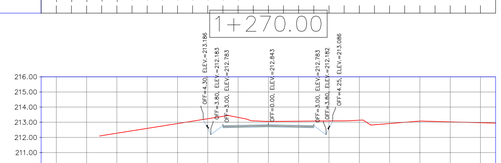
NATURAL GROUND ELEVATION	211.82	211.88	211.95	212.02	212.09	212.26	212.43	212.59	212.76	212.65	212.71	212.68	212.65	212.65	212.66	212.68	212.73	212.79	212.29	212.25	212.34	212.43	212.53	212.62	212.71	212.70	212.68		
PROJECT ELEVATION										212.30	212.50	212.52	212.54	212.56	212.54	212.52	212.50	212.30											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+260.10



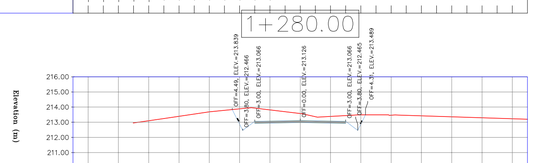
NATURAL GROUND ELEVATION	211.82	211.88	211.95	212.01	212.10	212.26	212.43	212.60	212.76	212.86	212.72	212.69	212.65	212.65	212.67	212.68	212.73	212.79	212.30	212.26	212.35	212.44	212.53	212.62	212.71	212.70	212.68		
PROJECT ELEVATION										212.30	212.50	212.52	212.54	212.56	212.54	212.52	212.50	212.30											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+270.00



NATURAL GROUND ELEVATION	212.12	212.28	212.44	212.60	212.76	212.92	213.08	213.23	213.39	213.32	213.09	212.82	212.84	213.06	213.06	213.07	213.08	213.08	213.09	213.14	212.83	212.91	212.89	213.08	213.05	213.03	213.00	212.97	
PROJECT ELEVATION											212.58	212.78	212.80	212.82	212.82	212.80	212.78	212.58											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+280.00



NATURAL GROUND ELEVATION	212.95	213.10	213.25	213.40	213.54	213.69	213.79	213.89	213.94	213.82	213.69	213.57	213.37	213.39	213.44	213.49	213.49	213.46	213.46	213.43	213.39	213.36	213.33	213.30	213.26	213.23			
PROJECT ELEVATION								212.87	213.07	213.09	213.11	213.13	213.09	213.07	212.86														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

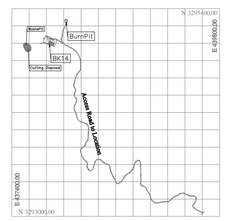
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	APPR. BY	APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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

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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 — PEDCO

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

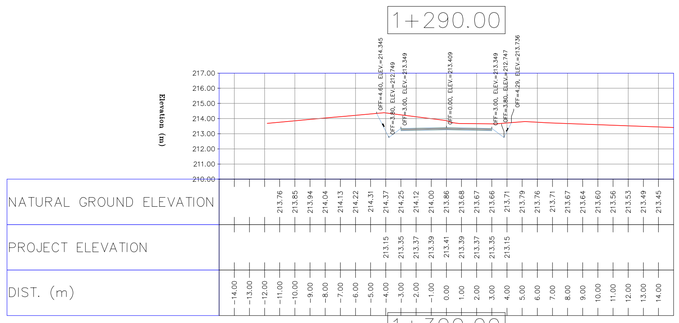
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

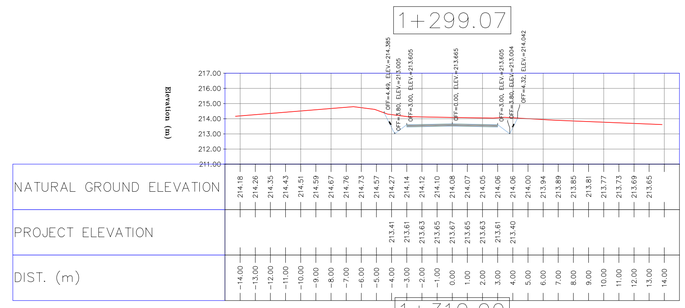
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

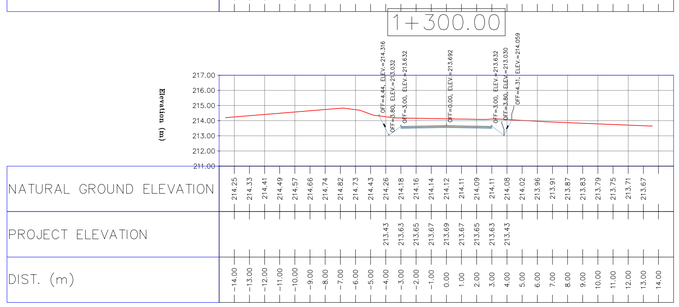
APPROVED FOR CONSTRUCTION	BY:	DATE:

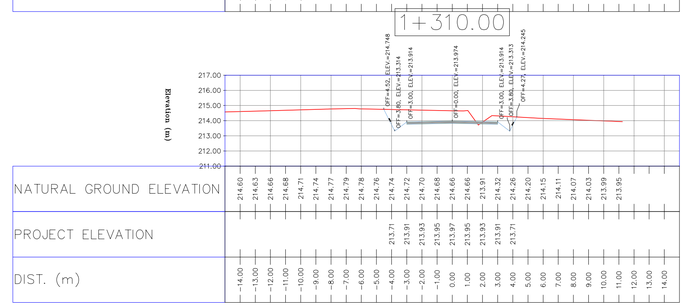
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	46 OF 98	D05

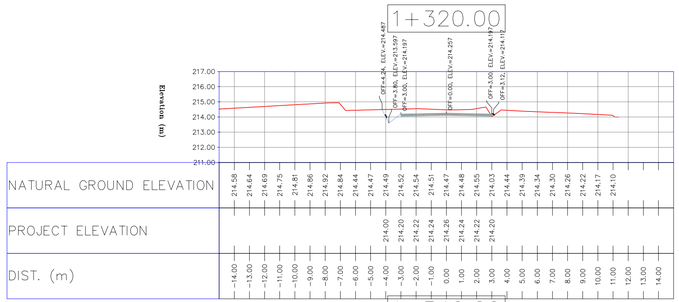
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	46	D05

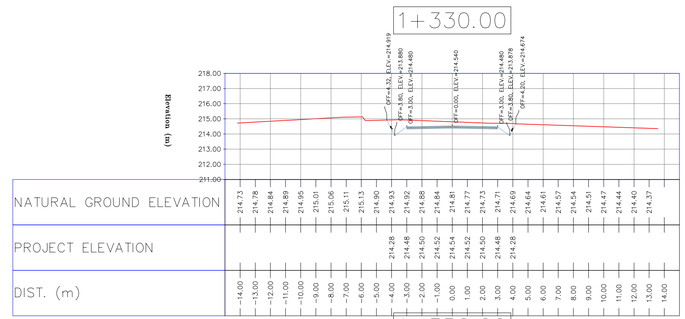


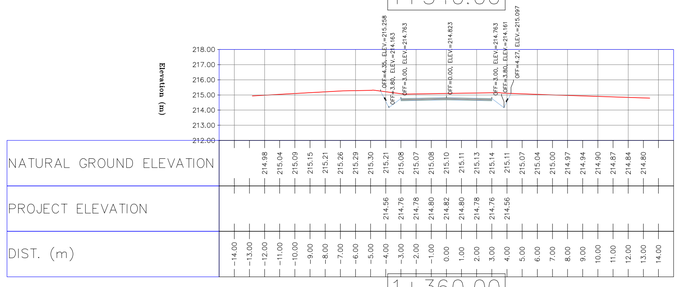


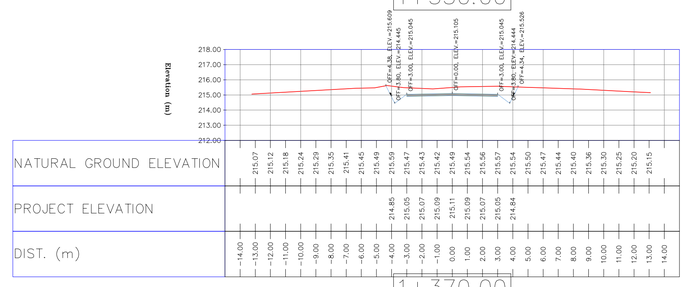


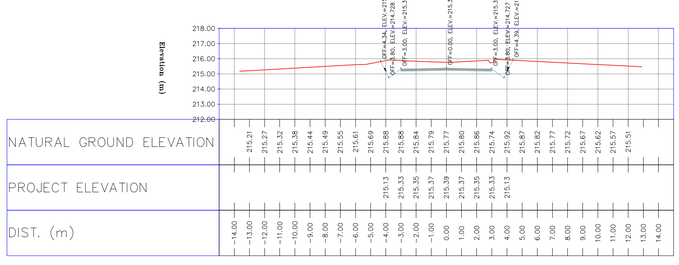


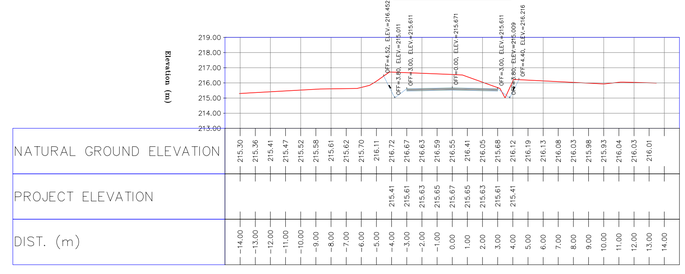












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LEGEND

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-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
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MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

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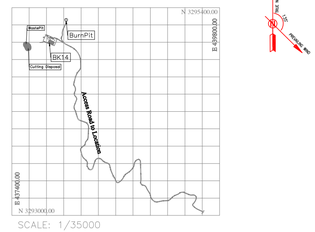
KEY PLAN



SCALE: 1/35000

REV.	DATE	DESCRIPTION	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

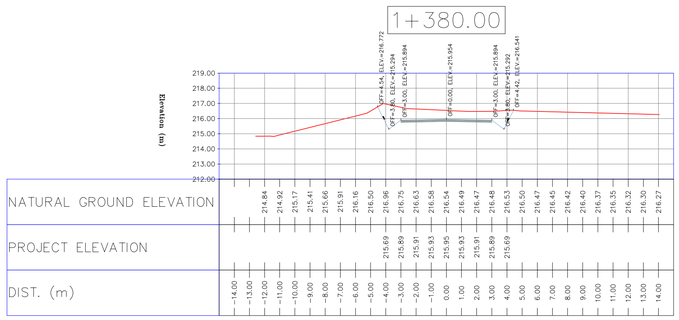
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

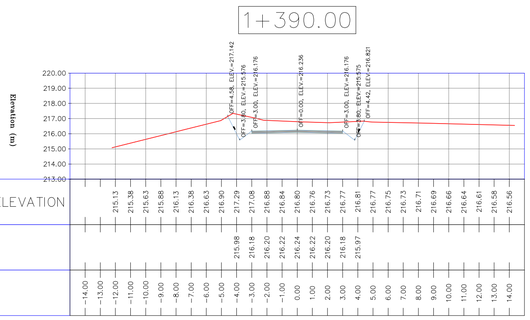
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	47 OF 98	D05	053-073-9184	F	4	S	708209	47	D05

1+380.00



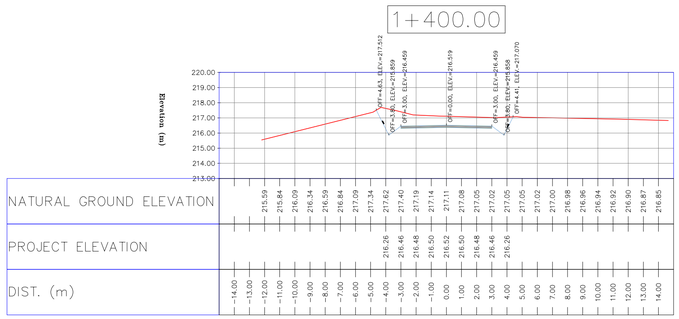
NATURAL GROUND ELEVATION	216.96	216.75	216.63	216.58	216.54	216.49	216.47	216.48	216.53	216.50	216.47	216.45	216.42	216.40	216.37	216.35	216.32	216.30	216.27
PROJECT ELEVATION	215.69	215.89	215.91	215.93	215.95	215.91	215.91	215.89	215.69										
DIST. (m)	4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+390.00



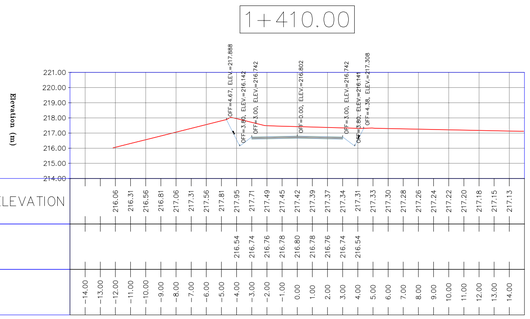
NATURAL GROUND ELEVATION	216.90	216.81	216.73	216.77	216.81	216.77	216.75	216.73	216.71	216.69	216.66	216.64	216.61	216.58	216.56
PROJECT ELEVATION	215.98	216.18	216.20	216.22	216.24	216.22	216.20	216.18	215.97						
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+400.00



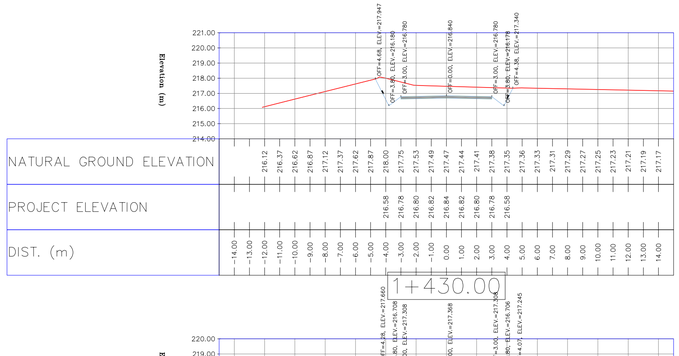
NATURAL GROUND ELEVATION	215.84	216.09	216.34	216.59	216.84	217.09	217.34	217.62	217.40	217.19	217.14	217.11	217.08	217.05	217.02	217.00	216.98	216.96	216.94	216.92	216.90	216.87	216.85
PROJECT ELEVATION	216.26	216.46	216.48	216.50	216.52	216.50	216.48	216.46	216.26														
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+410.00



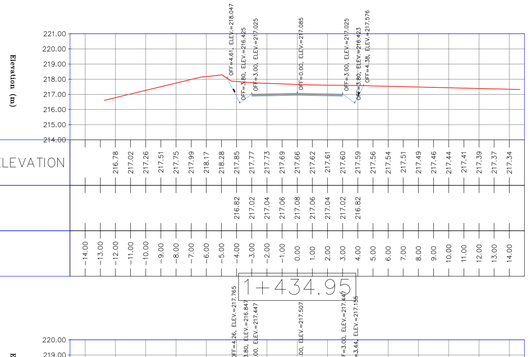
NATURAL GROUND ELEVATION	216.31	216.56	216.81	217.06	217.31	217.56	217.81	217.95	217.71	217.49	217.45	217.42	217.39	217.37	217.34	217.31	217.33	217.30	217.28	217.26	217.24	217.22	217.20	217.18	217.15	217.13
PROJECT ELEVATION	216.54	216.74	216.76	216.78	216.80	216.78	216.76	216.74	216.54																	
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+411.33



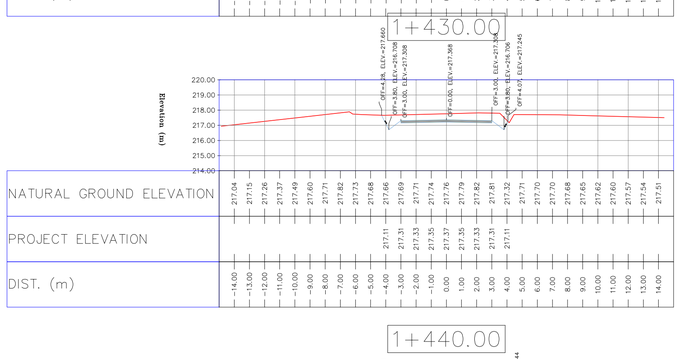
NATURAL GROUND ELEVATION	216.12	216.37	216.62	216.87	217.12	217.37	217.62	217.87	218.00	217.75	217.53	217.49	217.47	217.44	217.41	217.38	217.36	217.33	217.31	217.29	217.27	217.25	217.23	217.21	217.19	217.17
PROJECT ELEVATION	216.58	216.78	216.80	216.82	216.84	216.82	216.80	216.78	216.58																	
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+420.00



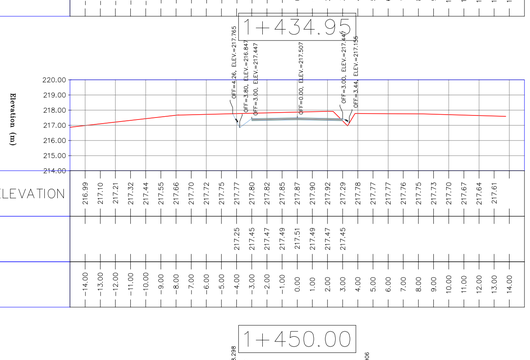
NATURAL GROUND ELEVATION	216.78	217.02	217.26	217.51	217.75	217.99	218.17	218.28	217.85	217.77	217.73	217.69	217.66	217.62	217.61	217.60	217.59	217.56	217.54	217.51	217.49	217.46	217.44	217.41	217.39	217.37	217.34
PROJECT ELEVATION	216.82	217.02	217.04	217.06	217.08	217.06	217.04	217.02	216.82																	
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+430.00



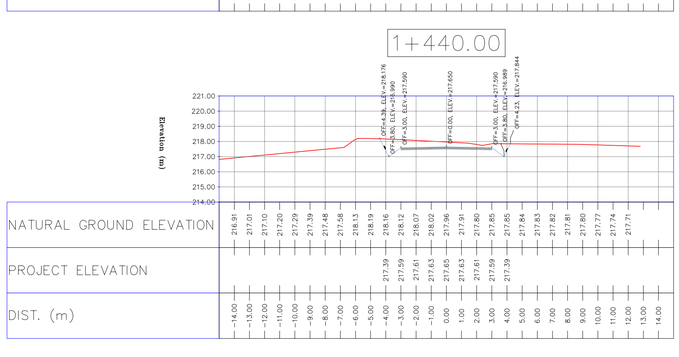
NATURAL GROUND ELEVATION	217.04	217.15	217.26	217.37	217.49	217.60	217.71	217.82	217.73	217.68	217.66	217.69	217.71	217.74	217.76	217.79	217.82	217.81	217.32	217.71	217.70	217.70	217.68	217.65	217.62	217.60	217.57	217.54	217.51
PROJECT ELEVATION	217.11	217.31	217.33	217.35	217.37	217.35	217.33	217.31	217.11																				
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+434.95



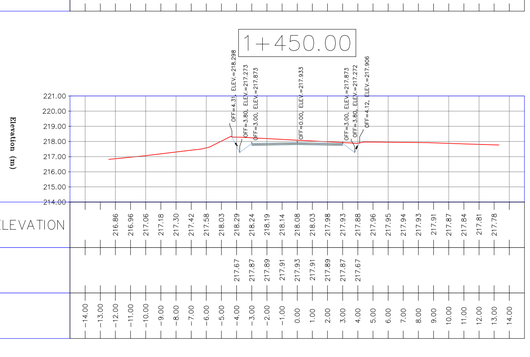
NATURAL GROUND ELEVATION	216.99	217.10	217.21	217.32	217.44	217.55	217.66	217.70	217.72	217.75	217.77	217.80	217.82	217.85	217.87	217.90	217.92	217.29	217.78	217.77	217.77	217.77	217.76	217.75	217.73	217.70	217.67	217.64	217.61
PROJECT ELEVATION	217.25	217.45	217.47	217.49	217.51	217.49	217.47	217.45	217.25																				
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+440.00



NATURAL GROUND ELEVATION	216.91	217.01	217.10	217.20	217.29	217.39	217.48	217.58	218.13	218.19	218.16	218.12	218.07	218.02	217.96	217.91	217.80	217.85	217.65	217.84	217.83	217.82	217.81	217.80	217.77	217.74	217.71
PROJECT ELEVATION	217.39	217.59	217.61	217.63	217.65	217.63	217.61	217.59	217.39																		
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+450.00



NATURAL GROUND ELEVATION	216.86	216.96	217.06	217.18	217.30	217.42	217.58	218.03	218.29	218.24	218.19	218.14	218.08	218.03	217.98	217.93	217.88	217.96	217.95	217.93	217.91	217.87	217.84	217.81	217.78
PROJECT ELEVATION	217.67	217.87	217.89	217.91	217.93	217.91	217.89	217.87	217.67																
DIST. (m)	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	

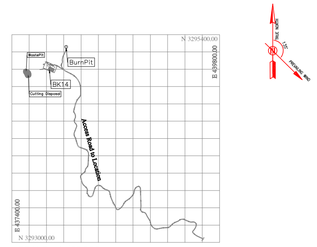
REFERENCE DRAWING

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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	48 OF 98	D05

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

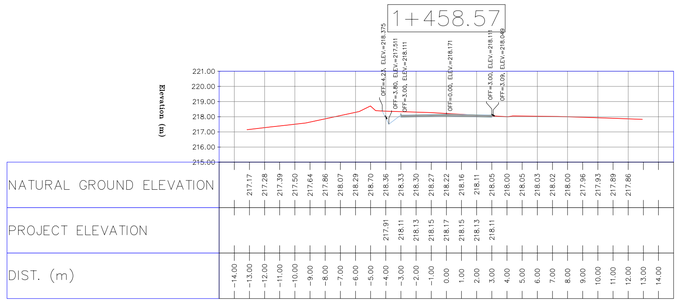
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

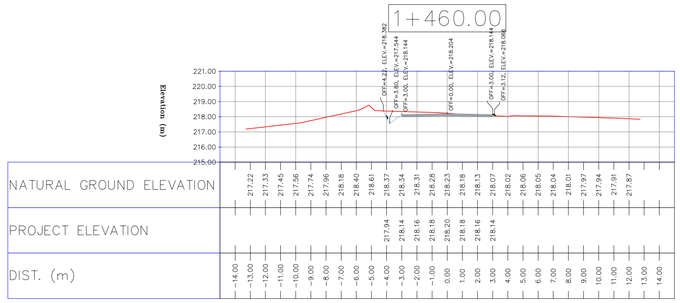
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

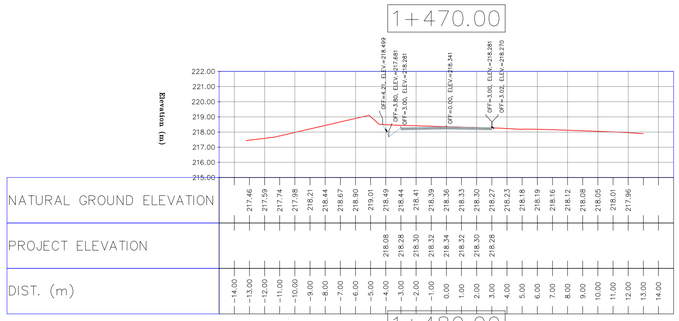
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

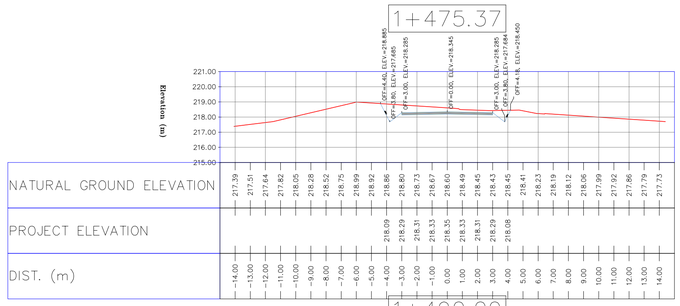
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

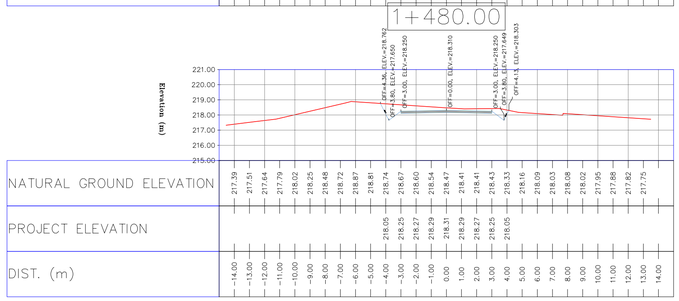
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	48	D05

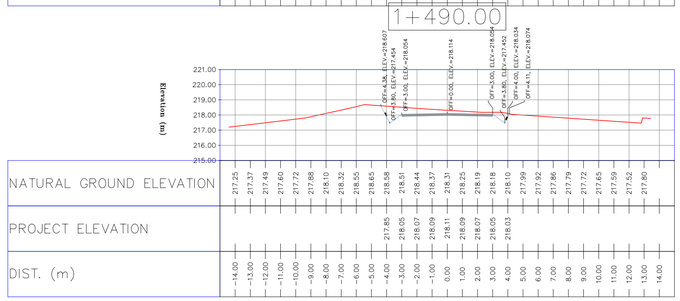


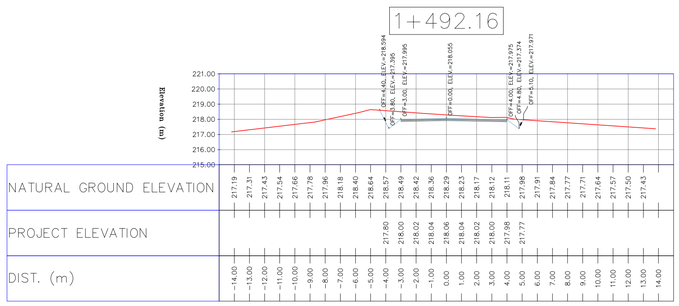


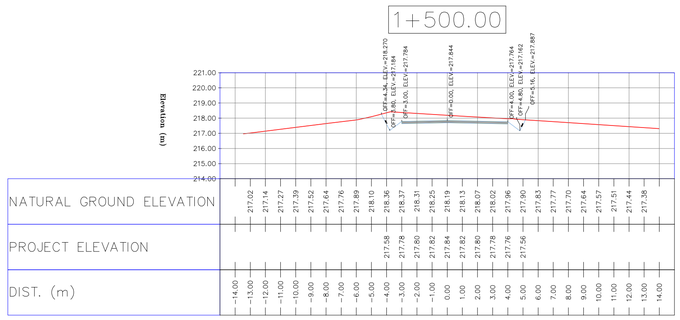


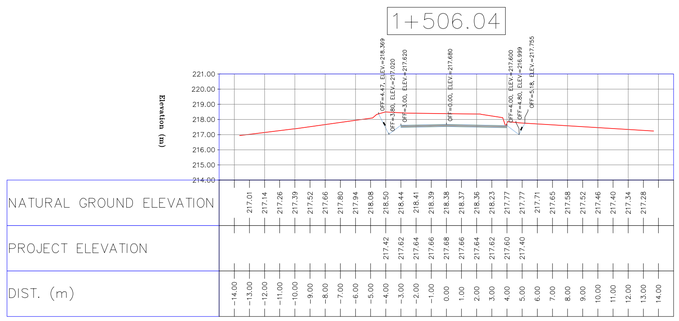


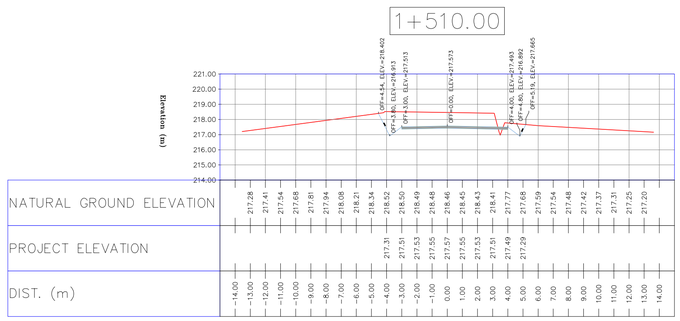












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VERTICAL DATUM:	MSL

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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-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

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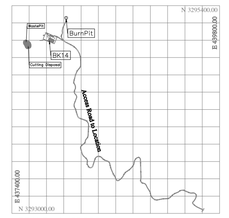
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	49 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

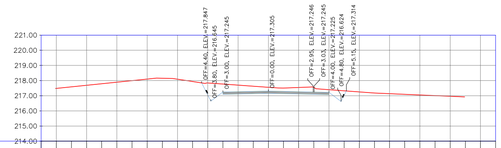
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

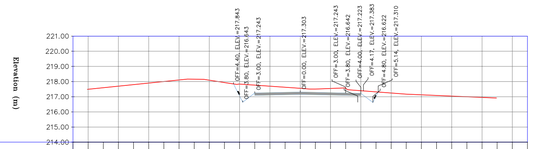
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	49	D05

1+519.91



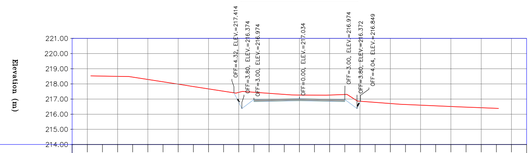
NATURAL GROUND ELEVATION	217.48	217.59	217.69	217.79	217.89	217.99	218.10	218.15	218.09	217.94	217.84	217.77	217.70	217.63	217.56	217.51	217.55	217.55	217.40	217.33	217.25	217.18	217.13	217.09	217.05	217.01	216.96	
PROJECT ELEVATION											217.05	217.25	217.27	217.29	217.31	217.29	217.27	217.25	217.23	217.02								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+520.00



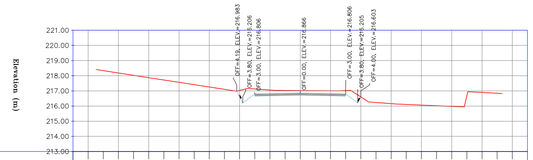
NATURAL GROUND ELEVATION	217.49	217.59	217.70	217.80	217.90	218.00	218.11	218.16	218.09	217.94	217.84	217.77	217.70	217.62	217.55	217.51	217.55	217.55	217.40	217.32	217.25	217.17	217.13	217.09	217.04	217.00	216.96	
PROJECT ELEVATION											217.04	217.24	217.26	217.28	217.30	217.28	217.26	217.24	217.22	217.02								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+530.00



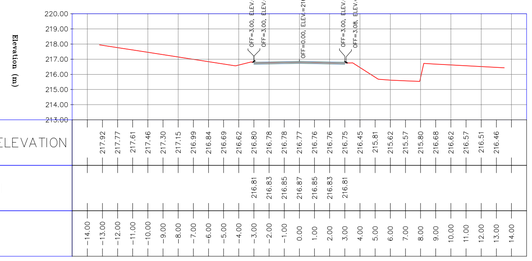
NATURAL GROUND ELEVATION	218.51	218.50	218.44	218.29	218.14	217.98	217.83	217.67	217.52	217.44	217.45	217.37	217.30	217.26	217.26	217.26	217.30	216.85	216.78	216.70	216.64	216.60	216.55	216.51	216.47	216.43	216.38	
PROJECT ELEVATION										216.77	216.97	216.99	217.01	217.03	217.01	217.01	216.99	216.97	216.77									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+540.00



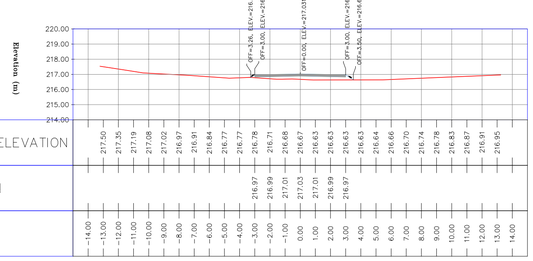
NATURAL GROUND ELEVATION	218.34	218.18	218.03	217.87	217.72	217.57	217.41	217.26	217.10	217.03	217.12	217.05	217.02	217.02	217.01	217.00	216.60	216.23	216.16	216.11	216.06	216.02	215.98	215.69	215.90	216.84		
PROJECT ELEVATION										216.61	216.81	216.83	216.85	216.87	216.85	216.83	216.81											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+550.00



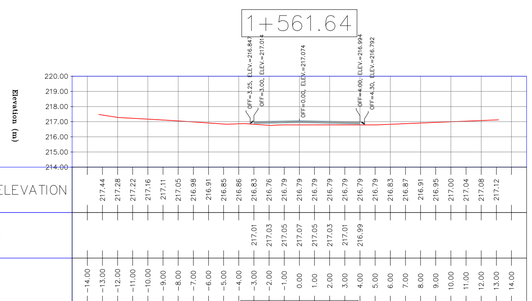
NATURAL GROUND ELEVATION	217.92	217.77	217.61	217.46	217.30	217.15	216.99	216.84	216.69	216.62	216.80	216.78	216.78	216.77	216.77	216.76	216.76	216.75	216.45	215.81	215.62	215.52	215.80	216.68	216.62	216.57	216.51	216.46
PROJECT ELEVATION											216.81	216.83	216.85	216.87	216.85	216.83	216.81											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+560.00



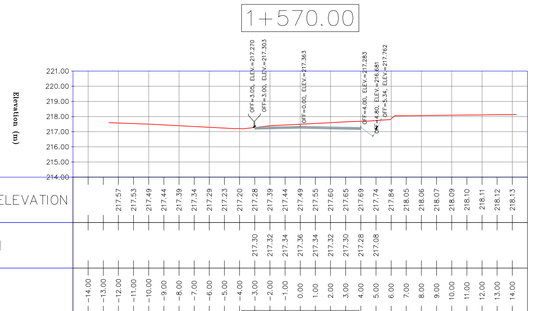
NATURAL GROUND ELEVATION	217.50	217.35	217.19	217.08	217.02	216.97	216.91	216.84	216.77	216.77	216.78	216.71	216.68	216.67	216.63	216.63	216.63	216.63	216.64	216.66	216.70	216.74	216.78	216.83	216.87	216.91	216.95	
PROJECT ELEVATION											216.97	216.99	217.01	217.03	217.01	217.01	216.99	216.97										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+561.64



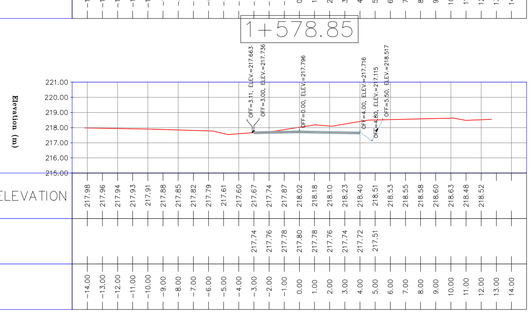
NATURAL GROUND ELEVATION	217.44	217.28	217.22	217.16	217.11	217.05	216.98	216.91	216.85	216.86	216.83	216.76	216.79	216.79	216.79	216.79	216.79	216.79	216.79	216.83	216.87	216.91	216.95	217.00	217.04	217.08	217.12	
PROJECT ELEVATION											217.01	217.03	217.05	217.07	217.05	217.03	217.01	216.99										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+570.00



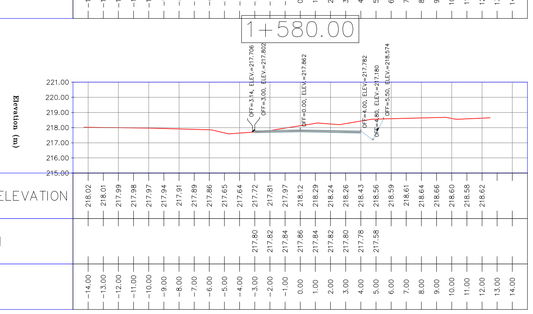
NATURAL GROUND ELEVATION	217.57	217.53	217.49	217.44	217.39	217.34	217.29	217.23	217.20	217.28	217.39	217.44	217.49	217.55	217.60	217.65	217.69	217.74	217.84	218.05	218.06	218.07	218.09	218.10	218.11	218.12	218.13	
PROJECT ELEVATION										217.30	217.32	217.34	217.36	217.34	217.32	217.30	217.28	217.08										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+578.85



NATURAL GROUND ELEVATION	217.98	217.96	217.94	217.93	217.91	217.88	217.85	217.82	217.79	217.61	217.60	217.67	217.74	217.87	218.02	218.18	218.10	218.23	218.40	218.51	218.53	218.55	218.58	218.60	218.63	218.48	218.52	
PROJECT ELEVATION											217.74	217.76	217.78	217.80	217.78	217.76	217.74	217.72	217.51									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+580.00



NATURAL GROUND ELEVATION	218.02	218.01	217.99	217.98	217.97	217.94	217.91	217.89	217.86	217.65	217.64	217.72	217.81	217.97	218.12	218.29	218.24	218.26	218.43	218.56	218.59	218.61	218.64	218.66	218.60	218.58	218.62	
PROJECT ELEVATION											217.80	217.82	217.84	217.86	217.84	217.82	217.80	217.78	217.58									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

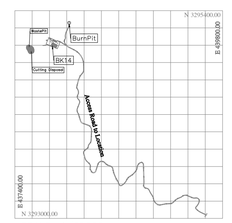
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	50 OF 98	D05

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

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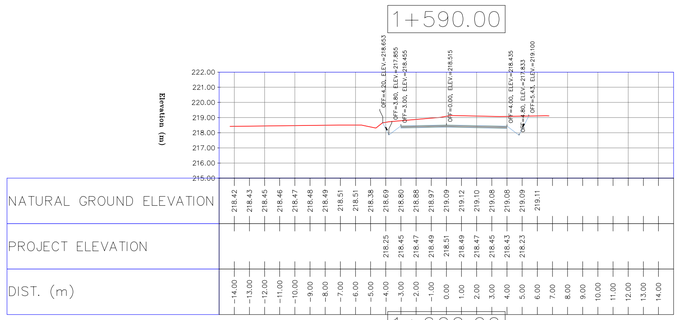
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

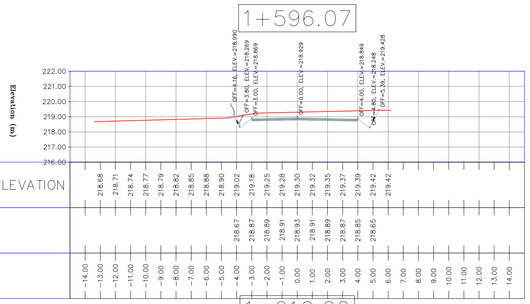
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	50	D05

1+590.00



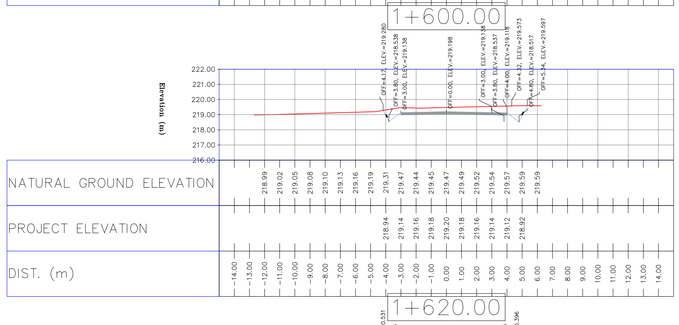
NATURAL GROUND ELEVATION	218.42	218.43	218.45	218.46	218.47	218.48	218.49	218.51	218.51	218.38	218.69	218.60	218.88	218.97	219.09	219.12	219.10	219.08	219.08	219.09	219.11							
PROJECT ELEVATION											218.25	218.45	218.47	218.49	218.51	218.49	218.47	218.45	218.43	218.23								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+596.07



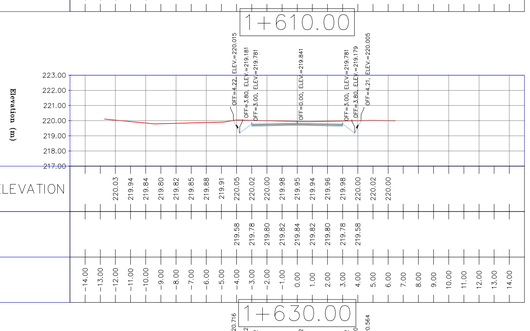
NATURAL GROUND ELEVATION	218.68	218.71	218.74	218.77	218.79	218.82	218.85	218.88	218.90	219.02	219.18	219.25	219.28	219.30	219.32	219.35	219.37	219.39	219.42	219.42								
PROJECT ELEVATION											218.67	218.87	218.89	218.91	218.91	218.91	218.89	218.87	218.85	218.65								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+600.00



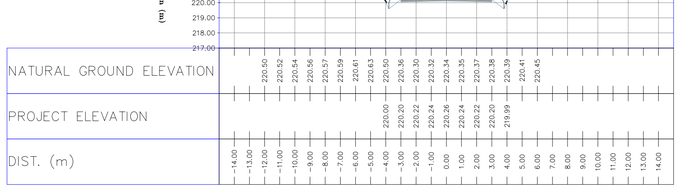
NATURAL GROUND ELEVATION	218.99	219.02	219.05	219.08	219.10	219.13	219.16	219.19	219.31	219.47	219.44	219.45	219.47	219.49	219.52	219.54	219.57	219.59	219.59									
PROJECT ELEVATION										218.94	219.14	219.16	219.18	219.20	219.16	219.16	219.12	218.92										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+610.00



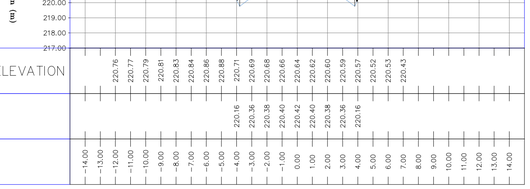
NATURAL GROUND ELEVATION	220.03	219.84	219.80	219.82	219.85	219.88	219.91	220.05	220.02	220.00	219.98	219.95	219.94	219.96	219.98	220.02	220.00											
PROJECT ELEVATION								219.58	219.78	219.80	219.82	219.84	219.82	219.80	219.78	219.58												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+620.00



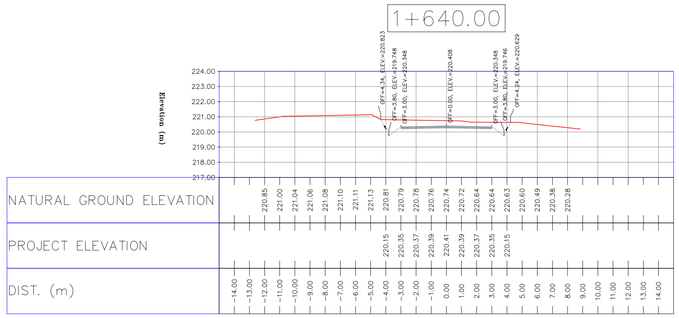
NATURAL GROUND ELEVATION	220.50	220.52	220.54	220.56	220.57	220.59	220.61	220.63	220.50	220.36	220.30	220.32	220.34	220.35	220.37	220.38	220.39	220.41	220.45									
PROJECT ELEVATION										220.00	220.20	220.22	220.24	220.26	220.24	220.22	220.20	219.99										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+630.00



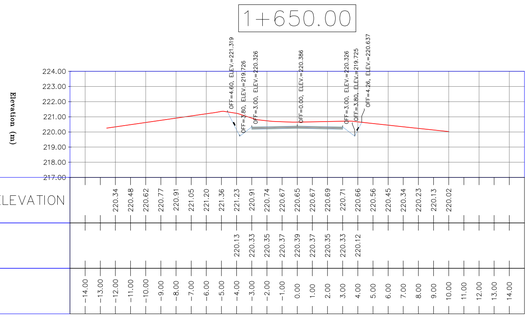
NATURAL GROUND ELEVATION	220.76	220.77	220.79	220.81	220.83	220.84	220.86	220.88	220.71	220.69	220.68	220.66	220.64	220.62	220.60	220.59	220.57	220.52	220.53	220.43								
PROJECT ELEVATION										220.36	220.38	220.40	220.42	220.40	220.38	220.36	220.16											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+640.00



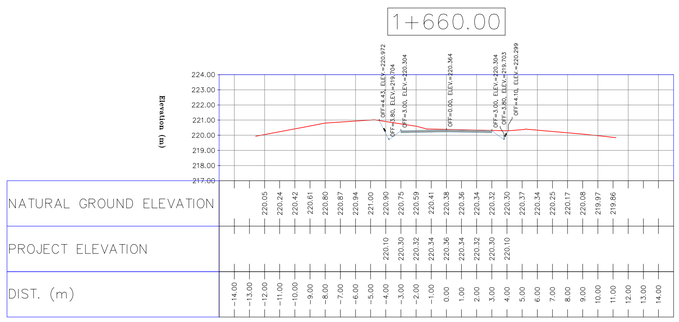
NATURAL GROUND ELEVATION	220.85	221.00	221.04	221.06	221.08	221.10	221.11	221.13	220.81	220.79	220.78	220.76	220.74	220.72	220.64	220.63	220.60	220.49	220.38	220.28								
PROJECT ELEVATION										220.15	220.35	220.37	220.39	220.41	220.39	220.37	220.35	220.15										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+650.00



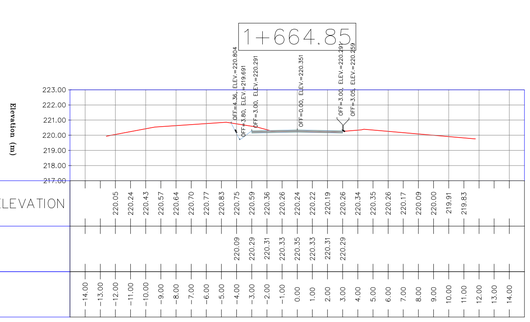
NATURAL GROUND ELEVATION	220.34	220.48	220.62	220.77	220.91	221.05	221.20	221.36	221.23	220.91	220.74	220.67	220.65	220.67	220.69	220.71	220.66	220.56	220.45	220.34	220.23	220.13	220.02					
PROJECT ELEVATION										220.13	220.33	220.35	220.37	220.39	220.37	220.35	220.33	220.12										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+660.00



NATURAL GROUND ELEVATION	220.05	220.24	220.42	220.61	220.80	220.87	220.94	221.00	220.90	220.75	220.59	220.41	220.38	220.36	220.34	220.32	220.30	220.37	220.34	220.25	220.17	220.08	219.97	219.86				
PROJECT ELEVATION									220.10	220.30	220.32	220.34	220.36	220.34	220.32	220.30	220.10											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+664.85



NATURAL GROUND ELEVATION	220.05	220.24	220.43	220.57	220.64	220.70	220.77	220.83	220.75	220.59	220.36	220.26	220.24	220.22	220.19	220.26	220.34	220.35	220.26	220.17	220.09	220.00	219.91	219.83				
PROJECT ELEVATION									220.09	220.29	220.31	220.33	220.35	220.33	220.31	220.29												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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:
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- "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.

LEGEND

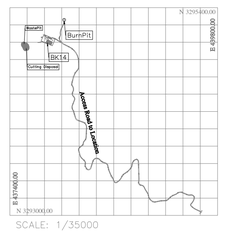
WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 — PEDCO

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	51 OF 98	D05

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

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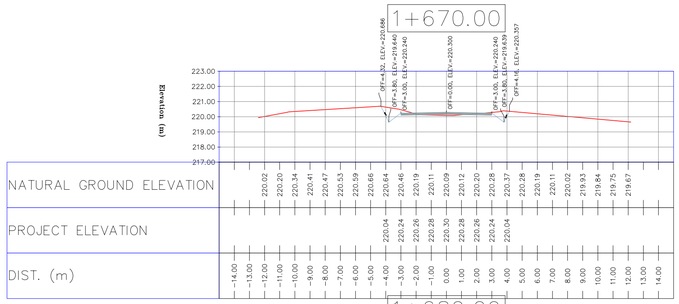
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

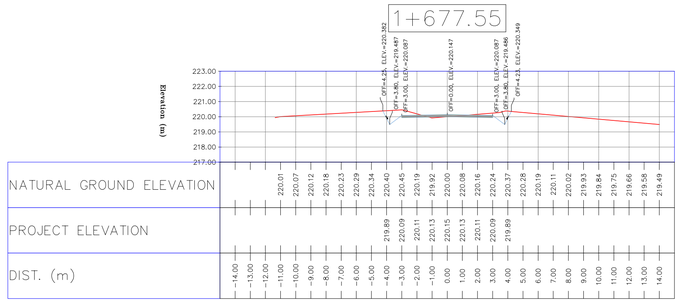
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

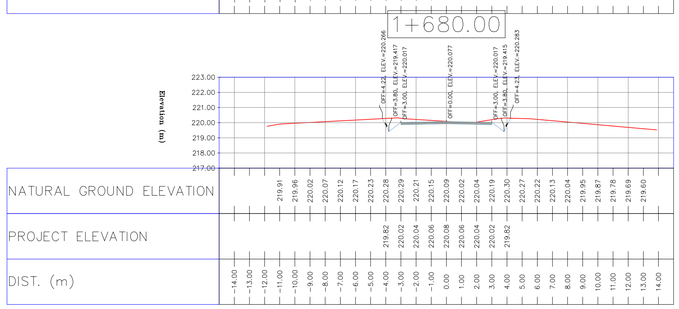
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

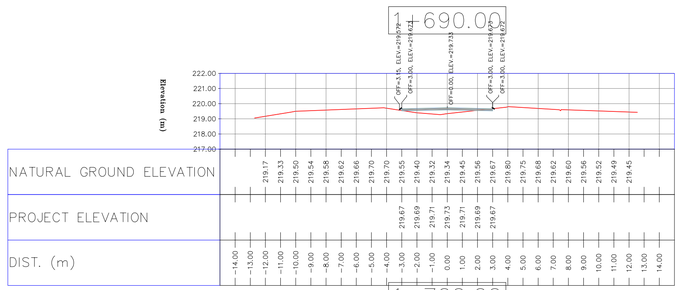
APPROVED FOR CONSTRUCTION	BY:	DATE:

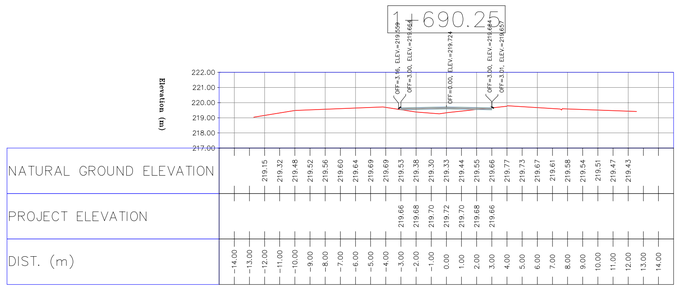
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	51	D05

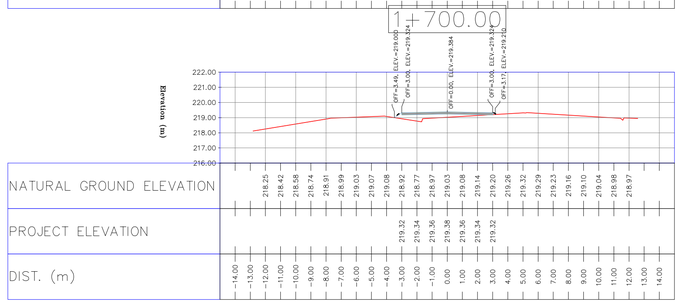


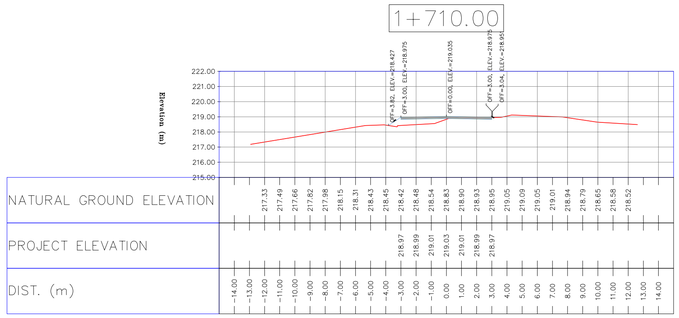


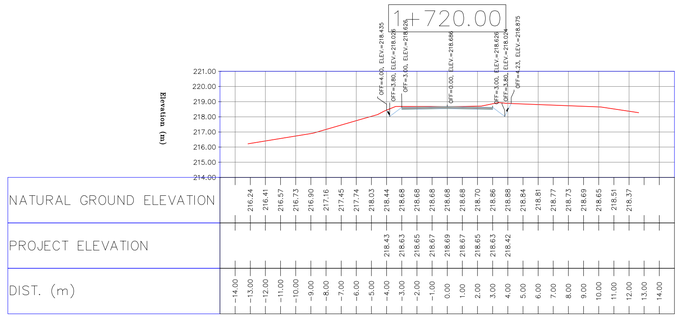


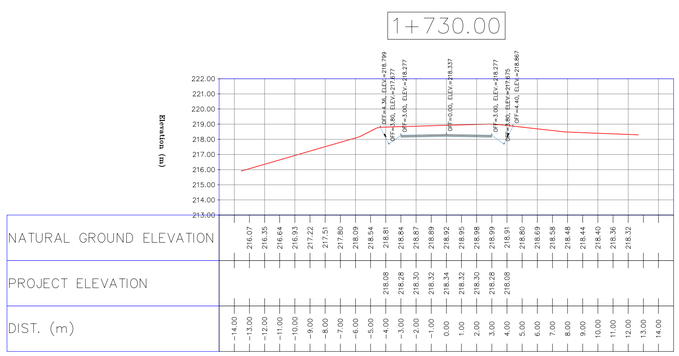


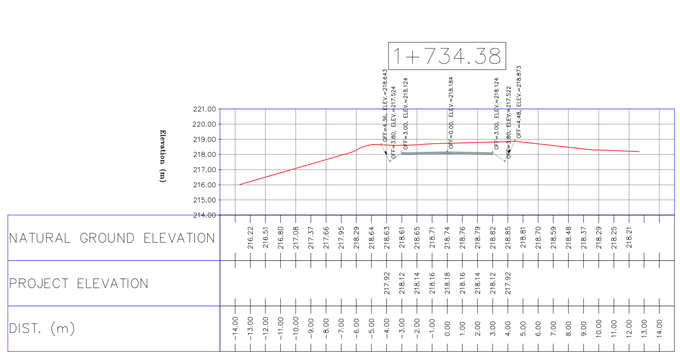












NOTES

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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
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LEGEND

WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	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-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

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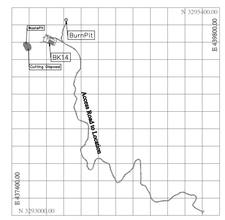
KEY PLAN



SCALE: 1/35000

REV.	DATE	DESCRIPTION	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 — PEDCO

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	52 OF 98	D05

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

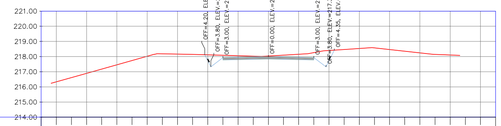
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	52	D05

1+740.00

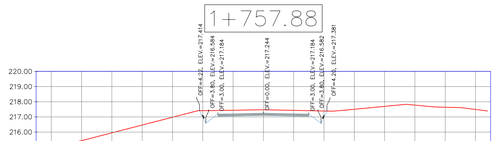


NATURAL GROUND ELEVATION	216.53	216.61	216.89	217.18	217.46	217.74	218.02	218.18	218.16	218.14	218.11	218.08	218.05	218.02	218.04	218.09	218.15	218.26	218.40	218.47	218.53	218.57	218.46	218.35	218.24	218.14	218.10	
PROJECT ELEVATION											217.73	217.93	217.95	217.95	217.97	217.97	217.95	217.93	217.73									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+750.00

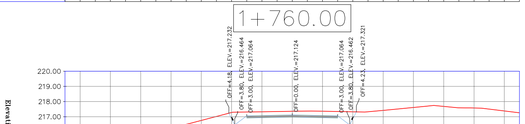
NATURAL GROUND ELEVATION	215.59	215.87	216.15	216.43	216.71	216.99	217.27	217.55	217.82	217.82	217.81	217.79	217.76	217.74	217.71	217.68	217.65	217.64	217.72	217.81	217.89	217.97	218.06	218.14	218.06	217.95	217.86	217.84
PROJECT ELEVATION											217.36	217.56	217.58	217.60	217.62	217.60	217.58	217.56	217.36									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+757.88



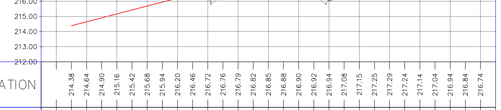
NATURAL GROUND ELEVATION	215.18	215.43	215.69	215.95	216.21	216.46	216.72	216.98	217.23	217.42	217.43	217.44	217.45	217.47	217.45	217.43	217.41	217.39	217.41	217.50	217.60	217.69	217.79	217.78	217.64	217.62	217.49	
PROJECT ELEVATION											216.98	217.18	217.20	217.22	217.24	217.22	217.20	217.18	216.98									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+760.00



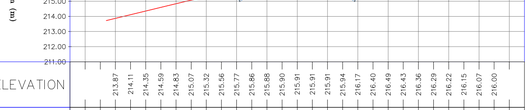
NATURAL GROUND ELEVATION	215.19	215.45	215.71	215.97	216.23	216.50	216.76	217.02	217.28	217.31	217.32	217.34	217.36	217.37	217.36	217.35	217.33	217.33	217.42	217.52	217.61	217.71	217.68	217.59	217.58	217.50	217.38	
PROJECT ELEVATION										216.86	217.06	217.08	217.10	217.12	217.10	217.08	217.06	216.86										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+770.00



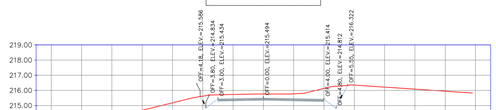
NATURAL GROUND ELEVATION	214.38	214.64	214.90	215.16	215.42	215.68	215.94	216.20	216.46	216.72	216.76	216.79	216.82	216.85	216.88	216.90	216.92	216.94	217.08	217.15	217.25	217.29	217.24	217.14	217.04	216.94	216.84	216.74
PROJECT ELEVATION											216.20	216.40	216.42	216.44	216.46	216.44	216.42	216.40	216.19									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+780.00



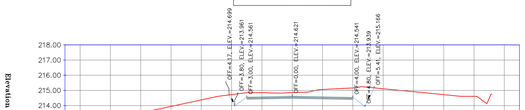
NATURAL GROUND ELEVATION	213.87	214.11	214.35	214.59	214.83	215.07	215.32	215.56	215.77	215.86	215.88	215.90	215.91	215.91	215.91	215.94	216.17	216.40	216.49	216.43	216.36	216.29	216.22	216.15	216.07	216.00		
PROJECT ELEVATION										215.36	215.56	215.58	215.60	215.62	215.60	215.58	215.56	215.54										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+781.38



NATURAL GROUND ELEVATION	213.71	213.96	214.20	214.44	214.69	214.93	215.18	215.42	215.61	215.70	215.73	215.74	215.75	215.76	215.77	215.89	216.13	216.28	216.35	216.28	216.21	216.15	216.08	216.01	215.95	215.88		
PROJECT ELEVATION										215.23	215.43	215.45	215.47	215.49	215.47	215.45	215.43	215.41	215.21									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+790.00



NATURAL GROUND ELEVATION	213.07	213.29	213.50	213.72	213.94	214.15	214.37	214.59	214.72	214.85	214.84	214.82	214.85	214.88	215.06	215.11	215.16	215.21	215.11	215.01	214.91	214.82	214.72	214.62	214.60	214.47		
PROJECT ELEVATION										214.36	214.56	214.58	214.60	214.62	214.60	214.58	214.56	214.54	214.34									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

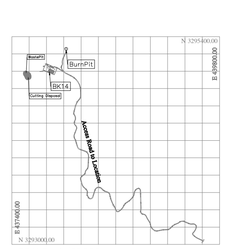
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

اصل و کلیه نسخ این نقشه و حق اقتباس 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

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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

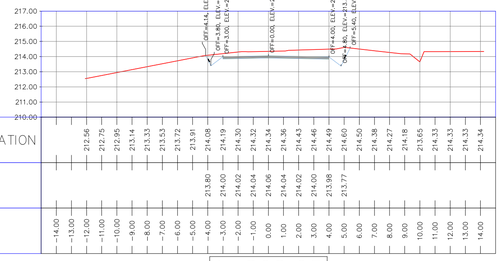
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	53 OF 98	D05

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	53	D05

1+795.01



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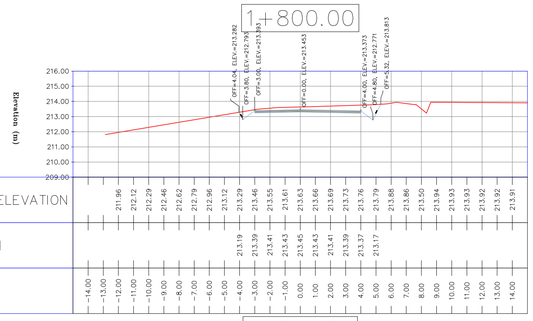
NATURAL GROUND ELEVATION			212.56	212.75	212.95	213.14	213.33	213.53	213.72	213.91	214.08	214.19	214.20	214.32	214.34	214.36	214.43	214.46	214.49	214.60	214.50	214.38	214.27	214.18	213.65	214.33	214.33	214.33	214.34
PROJECT ELEVATION											213.80	214.00	214.02	214.04	214.06	214.04	214.02	214.00	213.98	213.77									
DIST. (m)																													

1+800.00



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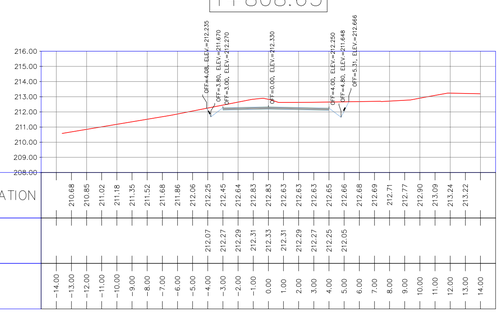
NATURAL GROUND ELEVATION			211.96	212.12	212.29	212.46	212.62	212.79	212.96	213.12	213.29	213.46	213.55	213.61	213.63	213.66	213.69	213.73	213.76	213.79	213.88	213.86	213.50	213.94	213.93	213.93	213.92	213.92	213.91
PROJECT ELEVATION											213.19	213.39	213.41	213.43	213.45	213.43	213.41	213.39	213.37	213.17									
DIST. (m)																													

1+808.65



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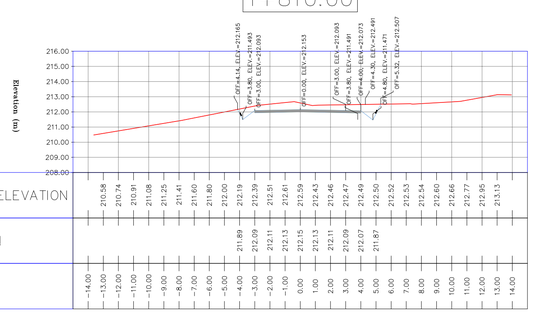
NATURAL GROUND ELEVATION			210.68	210.85	211.02	211.18	211.35	211.52	211.68	211.86	212.06	212.25	212.45	212.64	212.83	212.83	212.83	212.83	212.65	212.66	212.68	212.69	212.71	212.77	212.90	213.09	213.24	213.22	
PROJECT ELEVATION											212.07	212.27	212.29	212.31	212.33	212.31	212.29	212.27	212.25	212.05									
DIST. (m)																													

1+810.00



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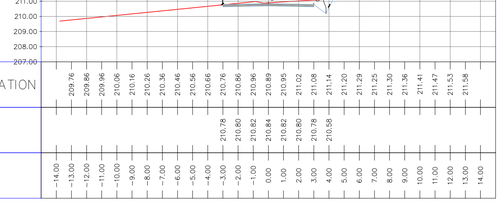
NATURAL GROUND ELEVATION			210.58	210.74	210.91	211.08	211.25	211.41	211.60	211.80	212.00	212.19	212.39	212.51	212.61	212.59	212.43	212.46	212.47	212.49	212.50	212.52	212.53	212.54	212.60	212.66	212.77	212.95	213.13
PROJECT ELEVATION											211.89	212.09	212.11	212.13	212.15	212.13	212.11	212.09	212.07	211.87									
DIST. (m)																													

1+820.00



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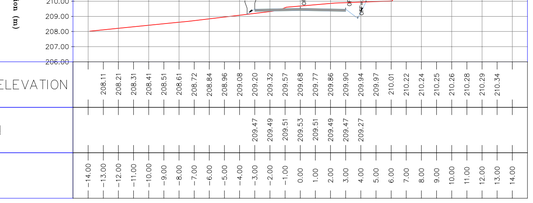
NATURAL GROUND ELEVATION			209.76	209.86	209.96	210.06	210.16	210.26	210.36	210.46	210.56	210.66	210.76	210.86	210.96	210.89	210.95	211.02	211.08	211.14	211.20	211.29	211.25	211.30	211.36	211.41	211.47	211.53	211.58
PROJECT ELEVATION											210.78	210.80	210.82	210.84	210.82	210.80	210.78	210.58											
DIST. (m)																													

1+830.00



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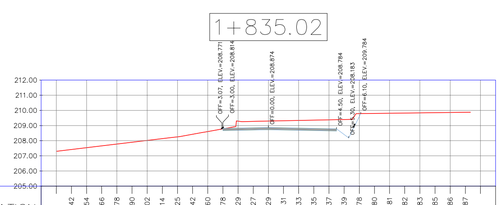
NATURAL GROUND ELEVATION			208.11	208.21	208.31	208.41	208.51	208.61	208.72	208.84	208.96	209.08	209.20	209.32	209.57	209.68	209.77	209.86	209.90	209.94	209.97	210.01	210.22	210.24	210.25	210.26	210.28	210.29	210.34
PROJECT ELEVATION											209.47	209.49	209.51	209.53	209.51	209.49	209.47	209.27											
DIST. (m)																													

1+835.02



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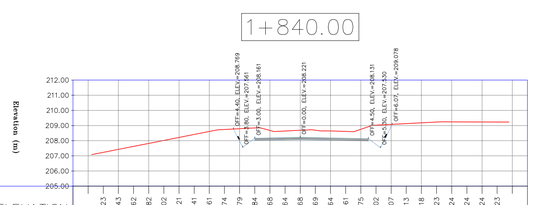
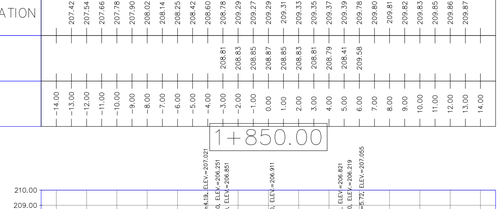
NATURAL GROUND ELEVATION			207.42	207.54	207.66	207.78	207.90	208.02	208.14	208.25	208.42	208.60	208.78	208.83	208.87	208.83	208.83	208.81	208.79	208.41	209.58	209.78	209.80	209.81	209.82	209.83	209.85	209.86	209.87
PROJECT ELEVATION											208.81	208.83	208.85	208.87	208.85	208.83	208.81	208.79	208.37	208.39									
DIST. (m)																													

1+840.00



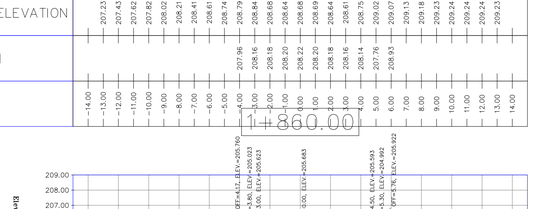
	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			207.23	207.43	207.62	207.82	208.02	208.21	208.41	208.61	208.74	208.79	208.84	208.68	208.64	208.68	208.64	208.68	208.64	208.61	208.75	209.02	209.07	209.13	209.18	209.23	209.24	209.24	209.23
PROJECT ELEVATION											207.96	208.16	208.18	208.20	208.22	208.20	208.18	208.16	208.14	207.76	206.93								
DIST. (m)																													

1+850.00



	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			206.73	206.67	206.64	206.73	206.81	206.90	206.98	207.02	207.02	207.02	207.01	206.98	206.96	206.95	206.97	206.94	207.07	207.06	207.05	207.04	207.03	207.02	207.01	207.00	206.99	206.98	
PROJECT ELEVATION											206.65	206.85	206.87	206.89	206.89	206.91	206.87	206.85	206.83	206.45									
DIST. (m)																													

1+860.00



	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			205.84	205.88	205.91	205.95	205.99	205.97	206.02	206.86	205.81	205.75	205.75	205.74	205.71	205.68	205.64	205.56	205.56	205.61	205.79	205.91	205.86	205.80	205.75	205.70	205.64	205.59	205.54
PROJECT ELEVATION											205.42	205.62	205.64	205.66	205.68	205.66	205.64	205.62	205.60	205.22									
DIST. (m)																													

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.

LEGEND

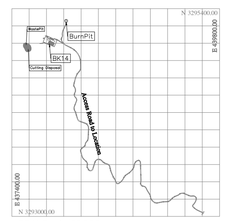
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 – PEDCO

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	54 OF 98	D05

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

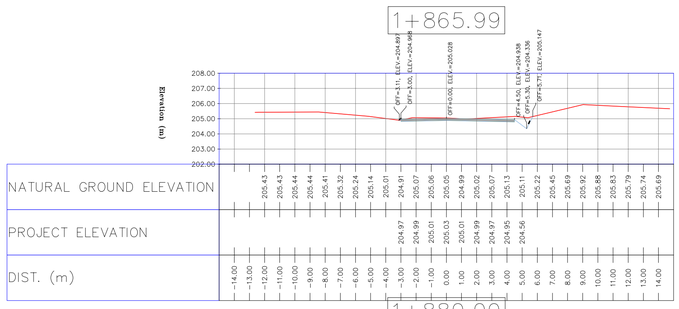
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

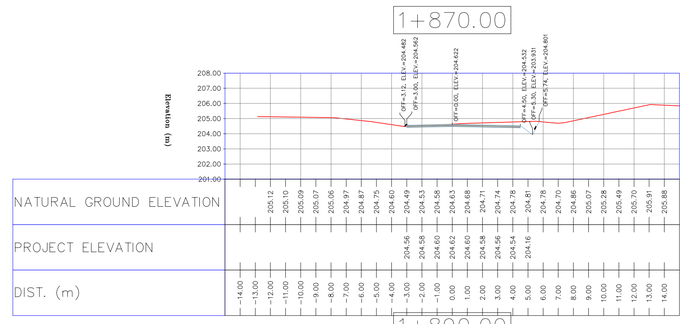
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

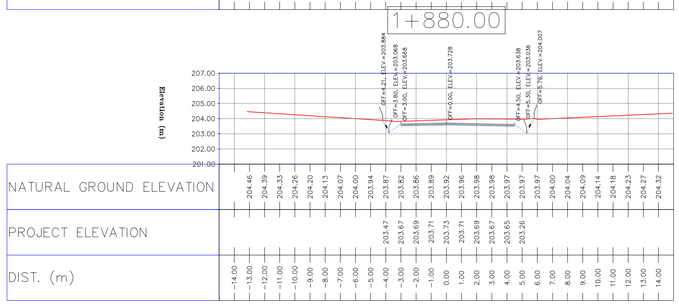
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

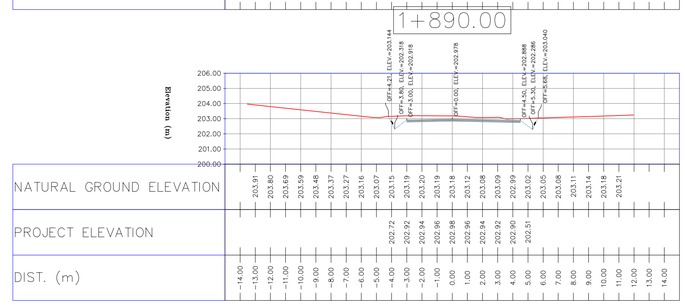
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

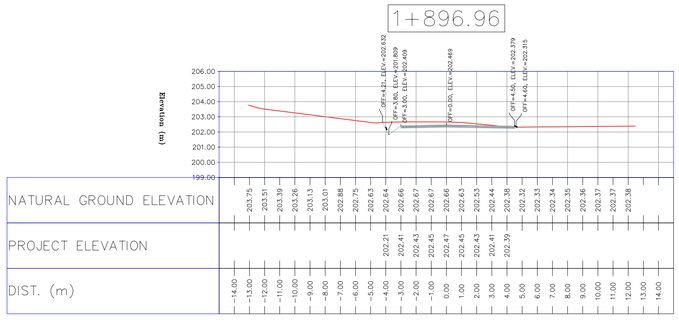
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	54	D05

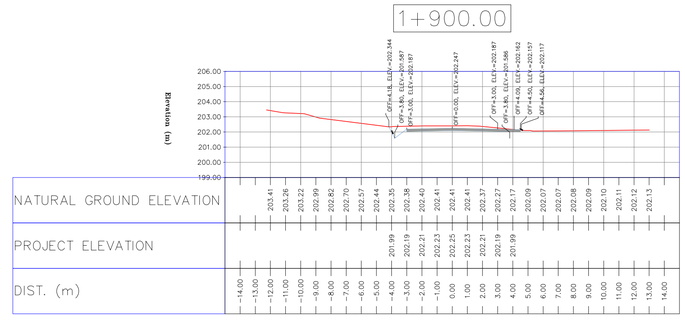


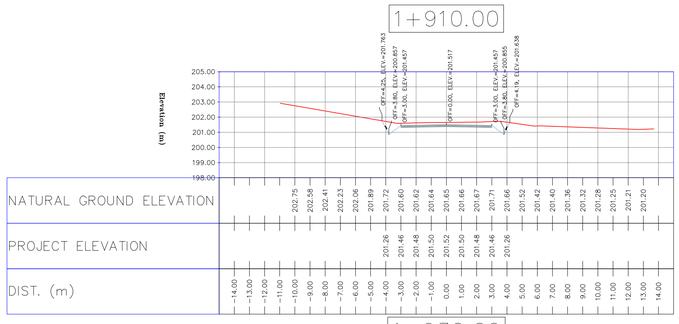


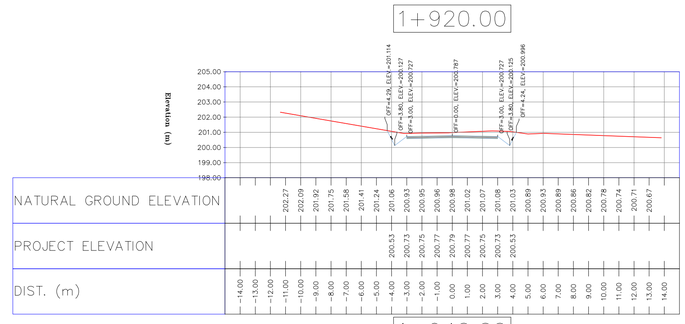


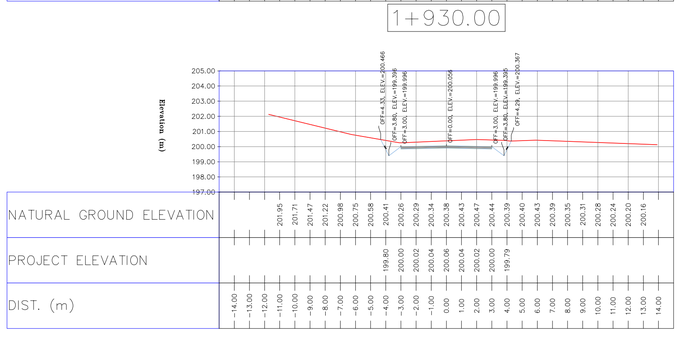


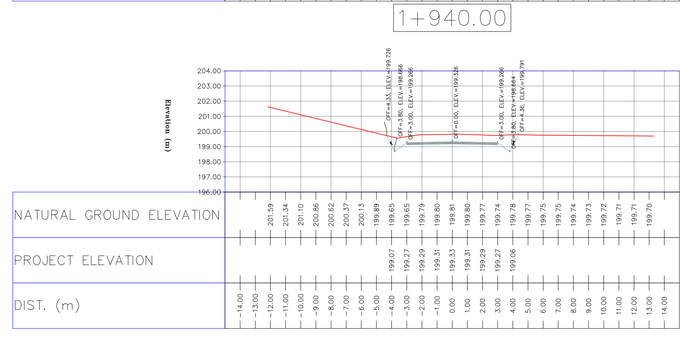












NOTES

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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:
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- "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.

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–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

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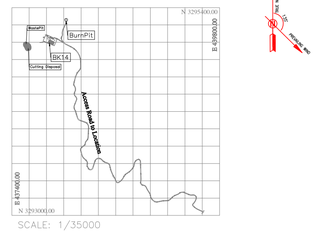
KEY PLAN



SCALE: 1/35000

REV.	DATE	DESCRIPTION	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	55 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

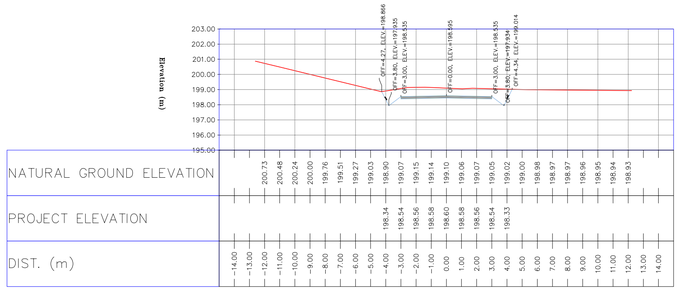
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

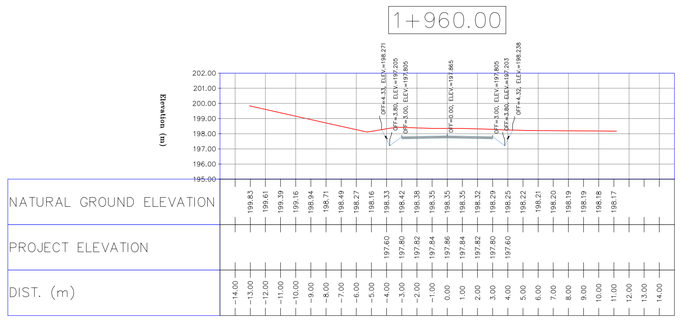
APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	55	D05

1+950.00



1+960.00



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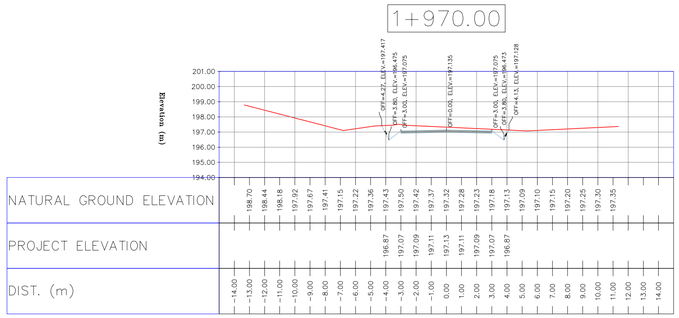
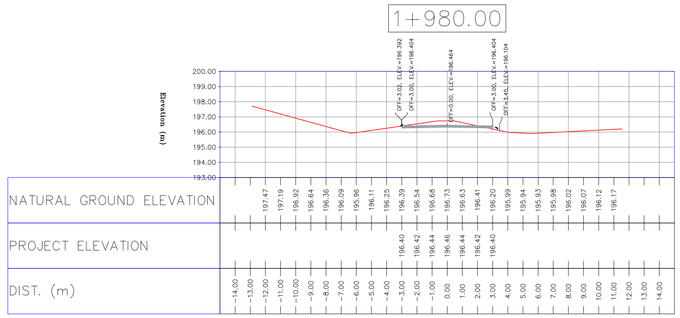


1+980.00



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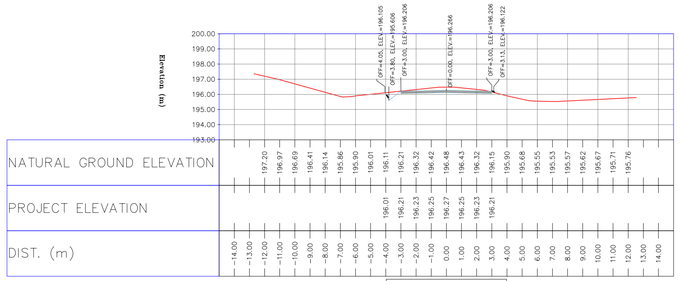

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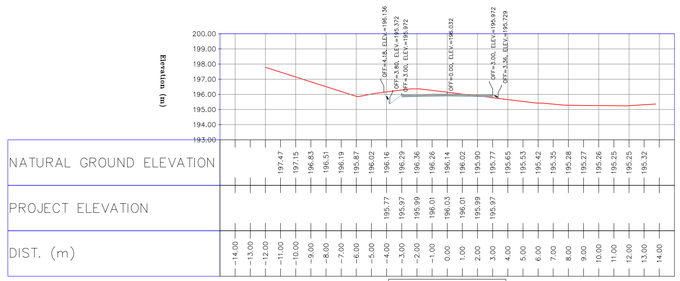

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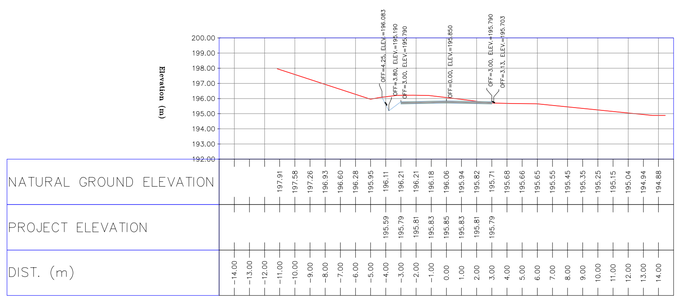

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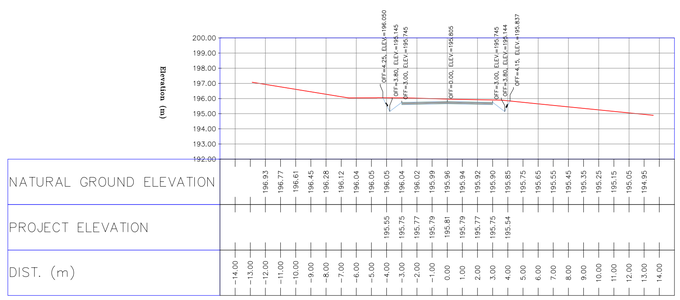

NOTES

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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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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-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

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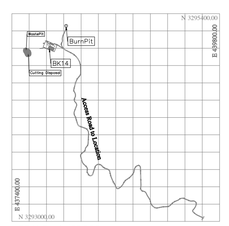
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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

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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 — PEDCO

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

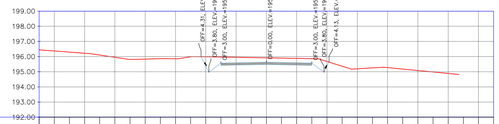
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	56 OF 98	D05

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	56	D05

2+020.00

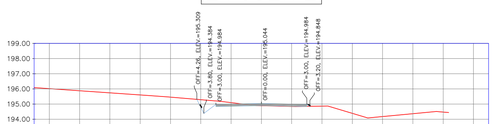


NATURAL GROUND ELEVATION	196.37	196.30	196.22	196.10	195.95	195.81	195.83	195.86	195.86	195.99	195.99	195.97	195.95	195.94	195.92	195.90	195.88	195.87	195.68	195.36	195.19	195.26	195.27	195.18	195.08	194.99	194.89
PROJECT ELEVATION											195.37	195.97	195.99	195.61	195.63	195.61	195.99	195.99	195.57	195.37							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+030.00

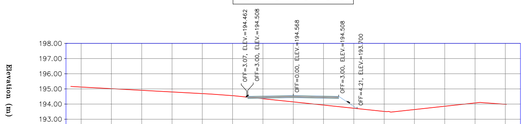
NATURAL GROUND ELEVATION	196.33	196.25	196.16	196.06	195.96	195.87	195.77	195.67	195.65	195.57	195.49	195.40	195.40	195.39	195.39	195.41	195.41	195.42	195.21	194.91	194.61	194.31	194.40	194.49	194.57	194.66
PROJECT ELEVATION											194.94	195.14	195.16	195.18	195.20	195.18	195.16	195.14	194.94							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+032.72



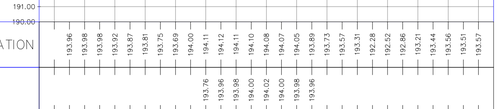
NATURAL GROUND ELEVATION	196.02	195.95	195.88	195.81	195.74	195.67	195.60	195.53	195.45	195.37	195.29	195.20	195.09	194.97	194.89	194.86	194.84	194.84	194.86	194.69	194.39	194.09	194.17	194.27	194.36	194.46	194.47
PROJECT ELEVATION											194.78	194.98	195.00	195.02	195.04	195.02	195.00	194.98									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+040.00



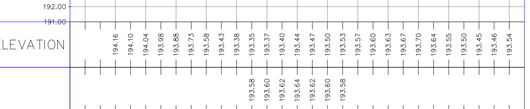
NATURAL GROUND ELEVATION	195.13	195.07	195.02	194.96	194.91	194.85	194.80	194.74	194.69	194.62	194.56	194.45	194.35	194.25	194.14	194.04	193.93	193.83	193.72	193.62	193.51	193.53	193.64	193.75	193.85	193.96	194.07	194.06	193.88
PROJECT ELEVATION											194.51	194.53	194.55	194.57	194.55	194.53	194.51	193.84											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+050.00



NATURAL GROUND ELEVATION	193.96	193.98	193.98	193.92	193.87	193.81	193.75	193.69	194.00	194.11	194.12	194.11	194.10	194.08	194.07	194.05	193.89	193.73	193.57	193.31	192.28	192.52	192.86	193.21	193.44	193.56	193.51	193.57
PROJECT ELEVATION											193.76	193.96	193.98	194.00	194.02	194.00	193.98	193.96										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+060.00



NATURAL GROUND ELEVATION	194.16	194.10	194.04	193.98	193.88	193.73	193.58	193.43	193.38	193.35	193.37	193.40	193.44	193.47	193.50	193.53	193.57	193.60	193.63	193.67	193.70	193.64	193.55	193.50	193.45	193.46	193.54
PROJECT ELEVATION										193.58	193.60	193.62	193.64	193.62	193.60	193.58											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+070.00

NATURAL GROUND ELEVATION	193.58	193.53	193.48	193.43	193.39	193.50	193.60	193.71	193.72	193.76	193.83	193.81	193.80	193.85	193.89	193.92	193.89	193.92	193.89	193.83	193.78	193.72	193.66	193.60	193.55	193.53	193.61
PROJECT ELEVATION										193.17	193.39	193.41	193.43	193.41	193.39	193.37	193.17										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+080.00

NATURAL GROUND ELEVATION	193.75	193.84	193.93	194.02	194.11	194.20	194.29	194.16	193.88	193.80	193.78	193.75	193.73	193.70	193.77	193.84	193.90	193.96	193.90	193.84	193.79	193.73	193.67	193.61	193.66	193.73	193.80
PROJECT ELEVATION										193.13	193.33	193.35	193.37	193.39	193.37	193.35	193.12										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

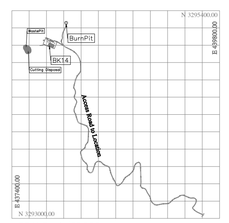
WELL LOCATION	CANAL
WELL	RIVER
SITE	WATER COURSE
CAMP SITE	CONTOURS
ASPHALT ROAD	SPOT HEIGHT
GRAVEL ROAD	BENCH MARK
PROPOSED ROAD	BRIDGE
DAYLIGHT	CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DESCRIPTION	DATE	BY	DATE	BY
		CHECKED		REV. APPR.	
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.
***	**********	**.**	***.****	**.**	***.****

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

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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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

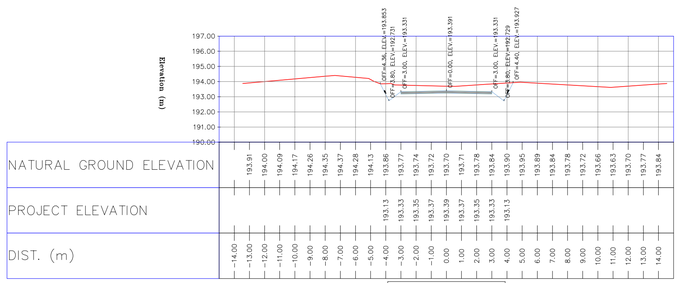
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	57 OF 98	D05

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	57	D05

2+081.55



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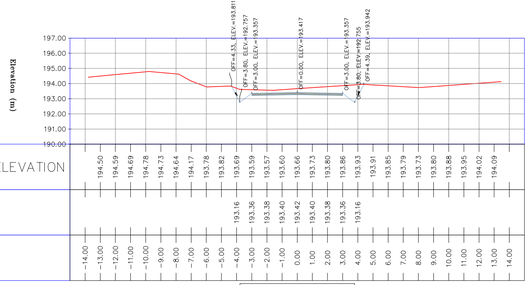

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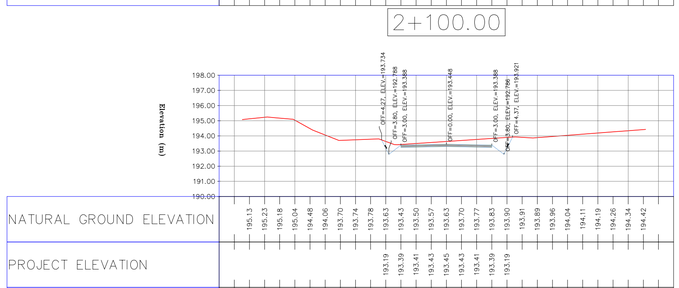

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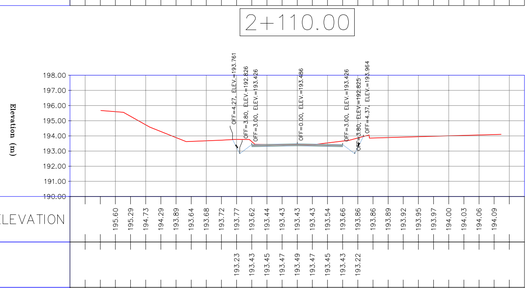

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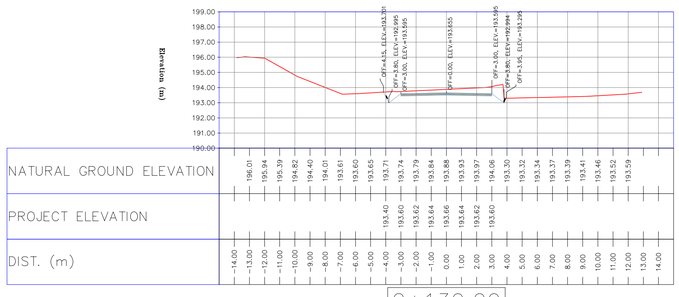

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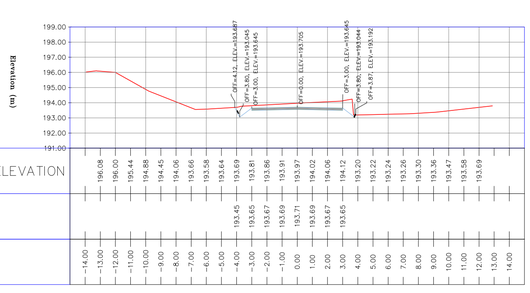

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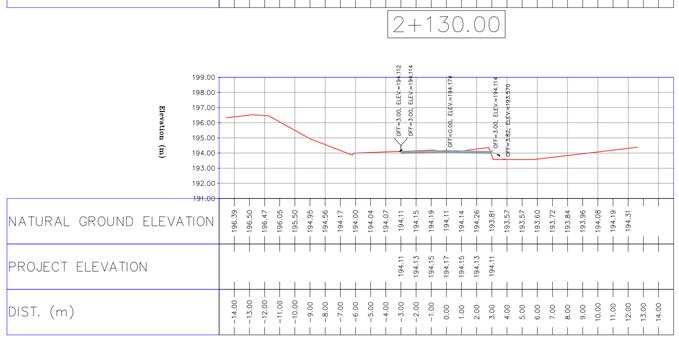

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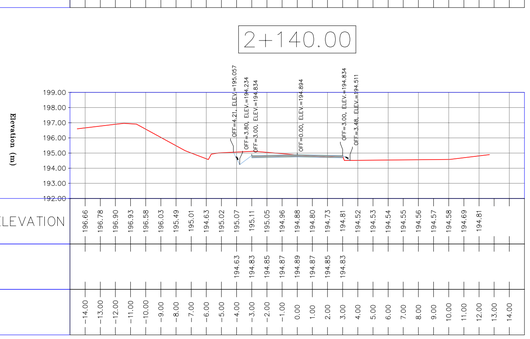

NOTES

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MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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LEGEND

⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
▭	SITE	◁	WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	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-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

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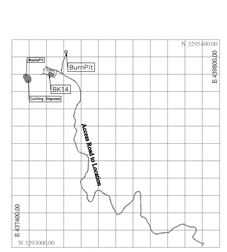
KEY PLAN



SCALE: 1/35000

REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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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.

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

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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 – PEDCO

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

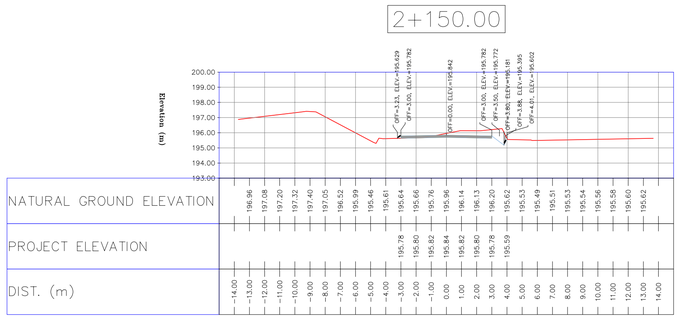
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

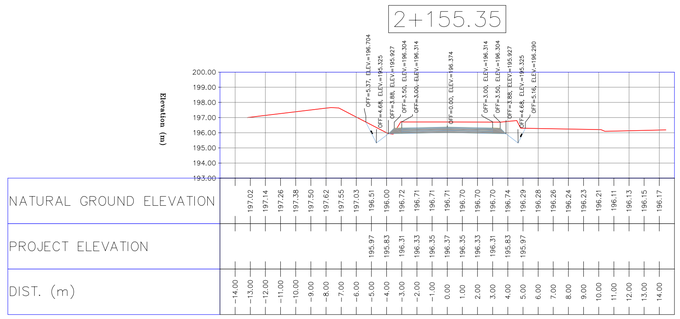
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

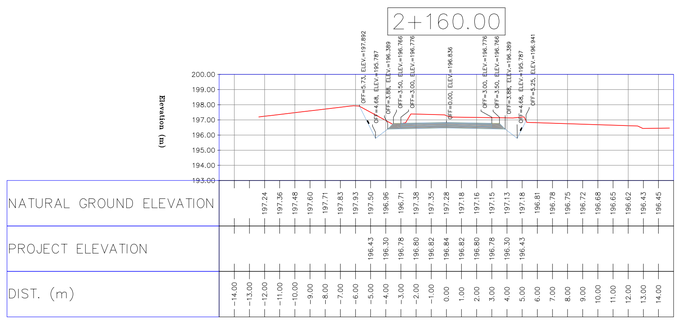
APPROVED FOR CONSTRUCTION | BY: | DATE:

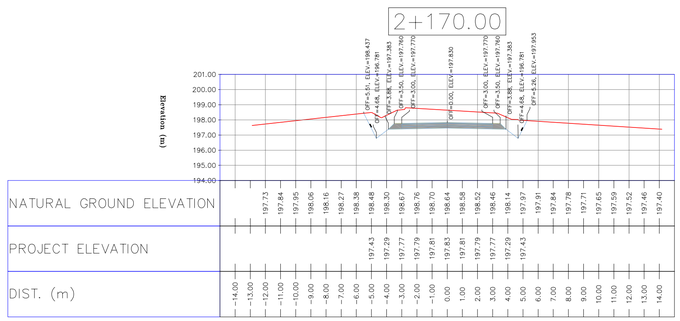
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	58 OF 98	D05

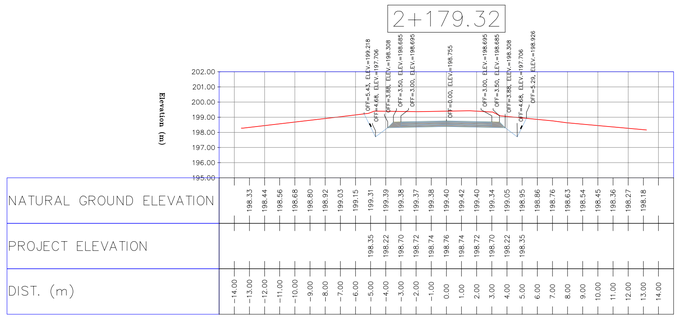
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	58	D05

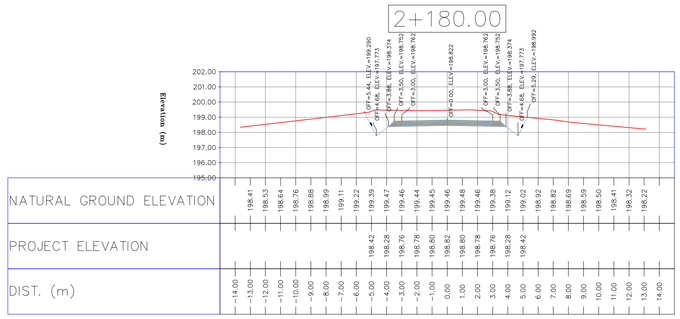


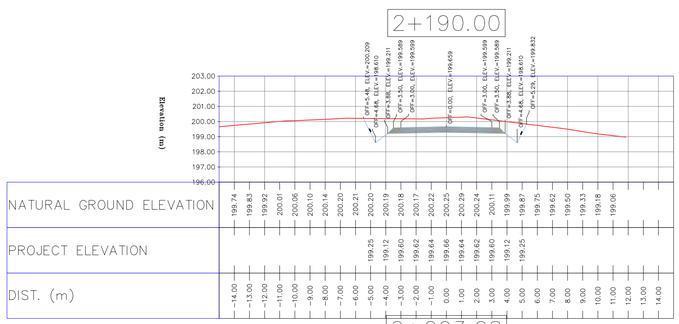


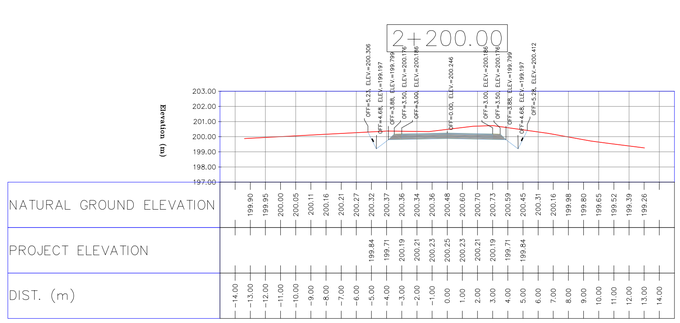


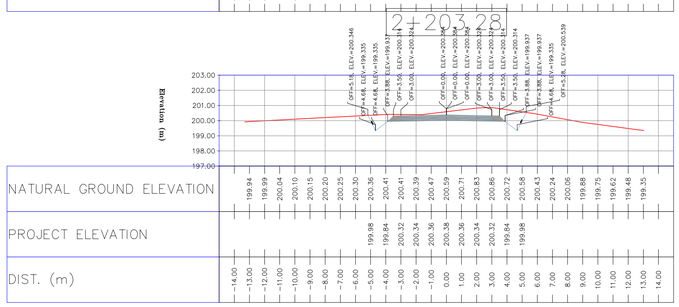












NOTES

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.

LEGEND

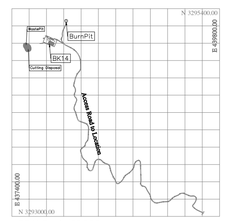
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	59 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس منعقل به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

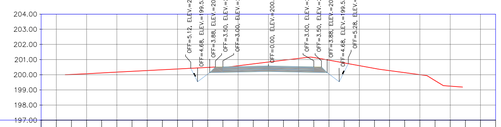
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

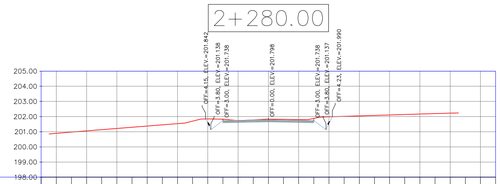
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	59	D05

2+210.00


Elevation (m)
204.00
203.00
202.00
201.00
200.00
199.00
198.00
197.00
OFF=5.12, ELEV=200.427
OFF=4.68, ELEV=199.534
OFF=3.186, ELEV=200.136
OFF=3.50, ELEV=200.513
OFF=3.000, ELEV=200.503
OFF=0.000, ELEV=200.583
OFF=-3.50, ELEV=200.553
OFF=-3.50, ELEV=200.537
OFF=3.188, ELEV=200.136
OFF=4.68, ELEV=199.534
OFF=5.26, ELEV=200.731

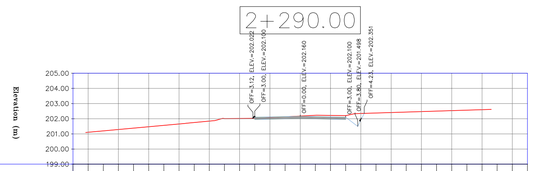
| | | |

2+280.00



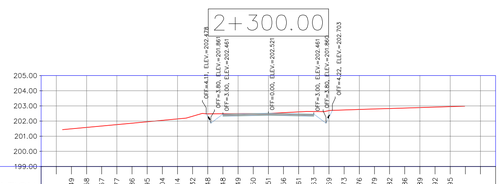
NATURAL GROUND ELEVATION	200.90	200.97	201.05	201.13	201.21	201.29	201.37	201.45	201.53	201.70	201.84	201.83	201.74	201.76	201.78	201.83	201.81	201.80	201.88	201.98	202.01	202.04	202.07	202.10	202.14	202.17	202.20	202.23	
PROJECT ELEVATION											201.54		201.74	201.76	201.78	201.80	201.78	201.76	201.74	201.54									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+290.00



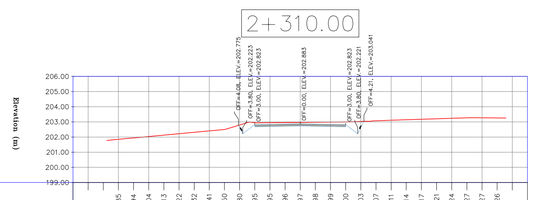
NATURAL GROUND ELEVATION	201.10	201.20	201.29	201.38	201.47	201.56	201.66	201.75	201.84	202.01	202.02	202.02	202.07	202.12	202.14	202.16	202.17	202.23	202.22	202.21	202.34	202.38	202.41	202.44	202.47	202.50	202.53	202.56	202.59
PROJECT ELEVATION											202.10		202.12	202.14	202.16	202.14	202.12	202.10	201.90										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+300.00



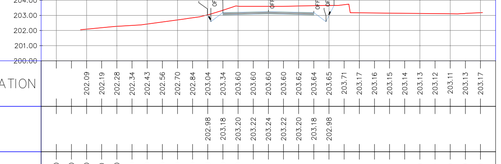
NATURAL GROUND ELEVATION	201.49	201.58	201.67	201.77	201.86	201.95	202.04	202.14	202.32	202.48	202.48	202.49	202.50	202.51	202.56	202.61	202.63	202.69	202.73	202.76	202.79	202.82	202.86	202.89	202.92	202.95			
PROJECT ELEVATION											202.26	202.46	202.48	202.50	202.52	202.50	202.48	202.46	202.26										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+310.00



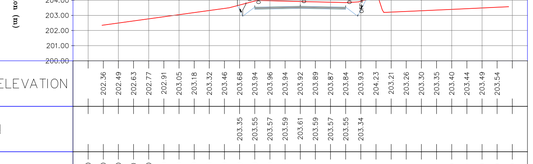
NATURAL GROUND ELEVATION	201.85	201.94	202.04	202.13	202.22	202.32	202.41	202.50	202.80	202.95	202.95	202.96	202.97	202.98	202.99	203.00	203.03	203.07	203.11	203.14	203.17	203.21	203.24	203.27	203.27	203.26			
PROJECT ELEVATION									202.62	202.82	202.84	202.86	202.86	202.88	202.84	202.82	202.62												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+320.00



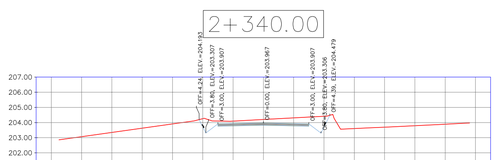
NATURAL GROUND ELEVATION	202.09	202.19	202.28	202.34	202.43	202.56	202.70	202.84	203.04	203.34	203.60	203.60	203.60	203.60	203.62	203.64	203.65	203.71	203.77	203.76	203.75	203.14	203.13	203.12	203.11	203.13	203.17		
PROJECT ELEVATION									202.98	203.18	203.20	203.22	203.24	203.22	203.20	203.18	202.98												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+330.00



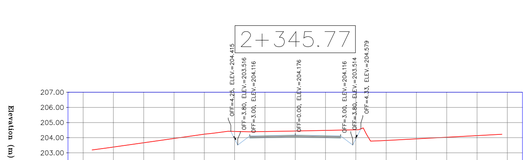
NATURAL GROUND ELEVATION	202.36	202.49	202.63	202.77	202.91	203.05	203.18	203.32	203.46	203.68	203.94	203.96	203.94	203.92	203.89	203.87	203.84	203.93	204.23	204.21	203.26	203.30	203.35	203.40	203.44	203.49	203.54		
PROJECT ELEVATION										203.35	203.55	203.57	203.59	203.61	203.59	203.57	203.55	203.34											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+340.00



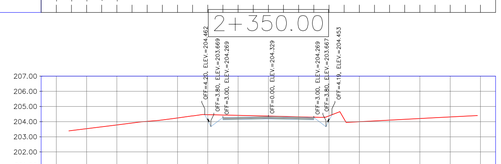
NATURAL GROUND ELEVATION	202.93	203.07	203.21	203.35	203.49	203.63	203.77	203.91	204.05	204.26	204.10	204.09	204.14	204.20	204.25	204.31	204.36	204.42	203.72	203.60	203.65	203.69	203.74	203.79	203.84	203.89	203.94		
PROJECT ELEVATION											203.71	203.91	203.93	203.95	203.97	203.95	203.93	203.91	203.71										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+345.77



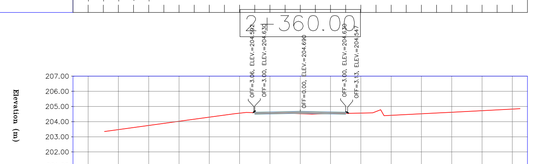
NATURAL GROUND ELEVATION	203.24	203.38	203.52	203.67	203.81	203.95	204.09	204.23	204.35	204.41	204.39	204.41	204.42	204.44	204.46	204.48	204.50	204.52	203.77	203.82	203.87	203.92	203.98	204.03	204.08	204.14	204.19		
PROJECT ELEVATION										203.92	204.12	204.14	204.16	204.18	204.16	204.14	204.12	203.91											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+350.00



NATURAL GROUND ELEVATION	203.41	203.53	203.66	203.78	203.91	204.02	204.11	204.24	204.38	204.46	204.27	204.29	204.41	204.39	204.36	204.34	204.31	204.29	204.27	204.38	204.16	203.99	204.04	204.10	204.15	204.20	204.25	204.31	204.36
PROJECT ELEVATION											204.07	204.27	204.29	204.31	204.33	204.31	204.29	204.27	204.07										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+ 360.00



NATURAL GROUND ELEVATION	203.48	203.61	203.75	203.88	204.02	204.16	204.29	204.43	204.56	204.59	204.57	204.54	204.52	204.50	204.52	204.54	204.56	204.67	204.41	204.47	204.52	204.57	204.62	204.67	204.72	204.77	204.82		
PROJECT ELEVATION										204.63	204.65	204.67	204.69	204.67	204.65	204.63													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

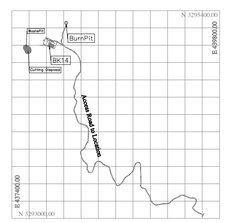
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	61 OF 98	D05

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

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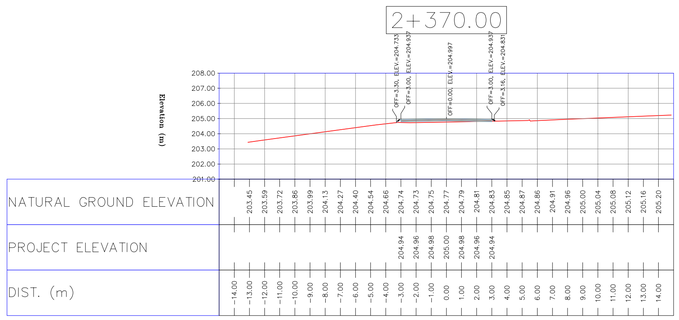
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

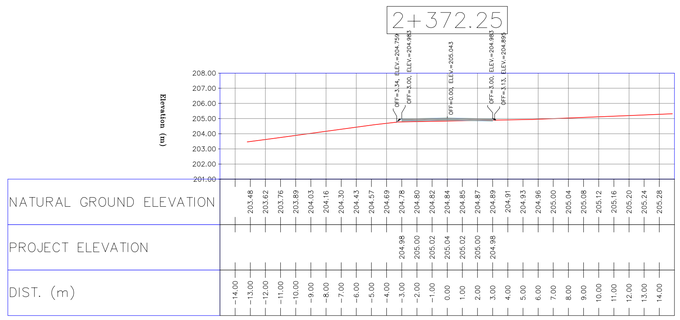
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

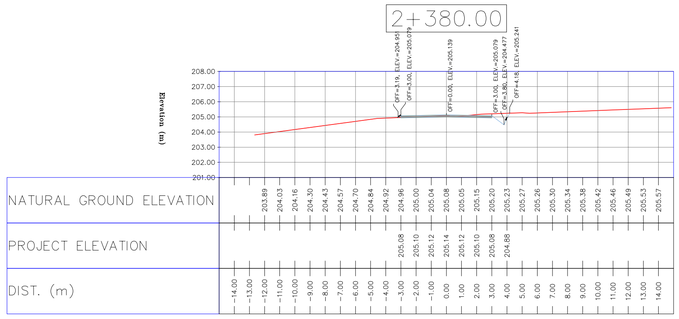
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

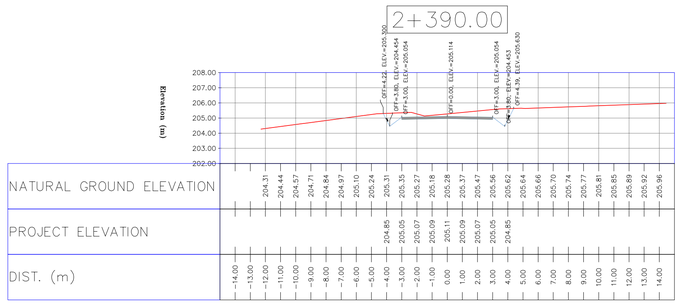
APPROVED FOR CONSTRUCTION	BY:	DATE:

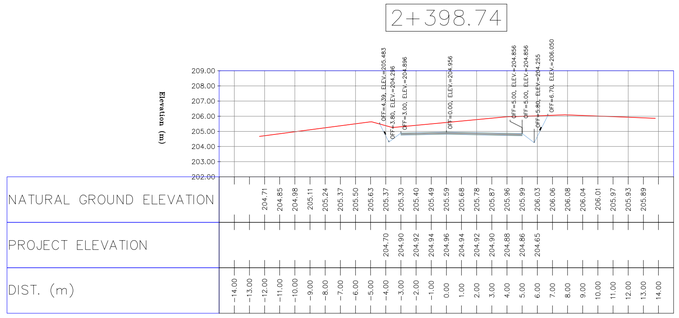
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	61	D05

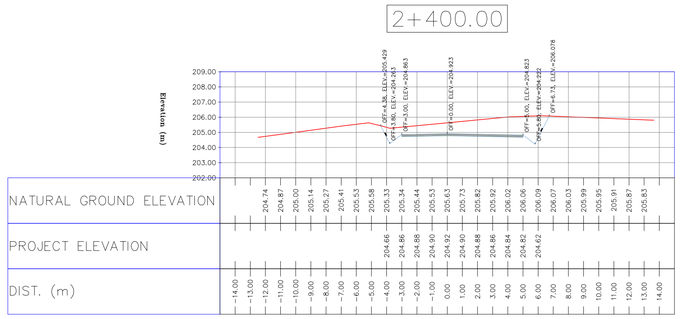


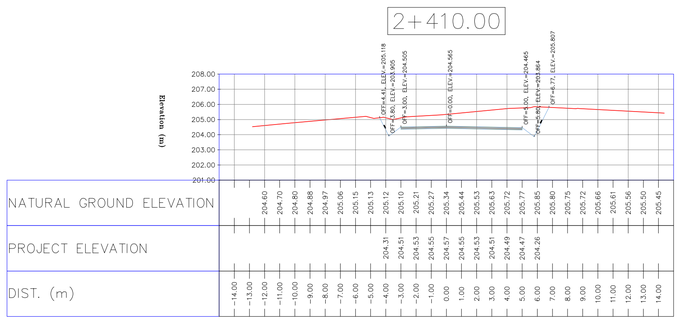


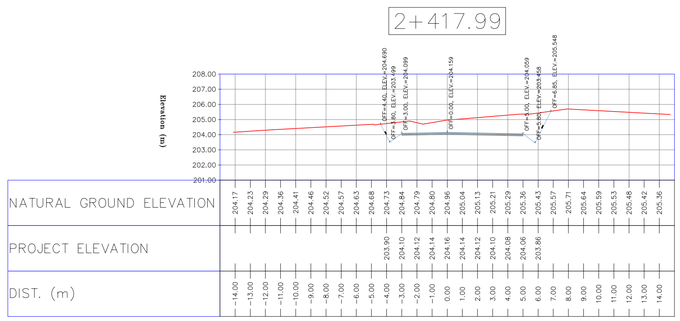












NOTES

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VERTICAL DATUM:	MSL

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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
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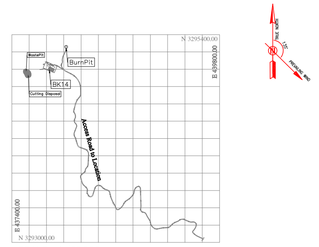
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

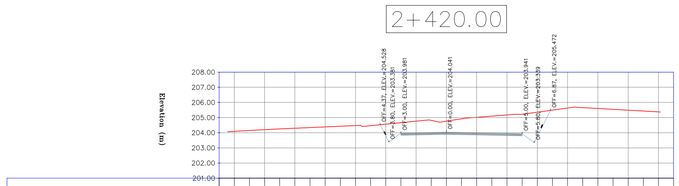
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	62 OF 98	D05

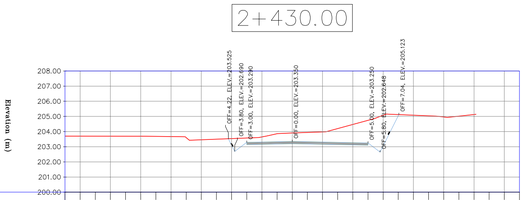
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	62	D05

2+420.00



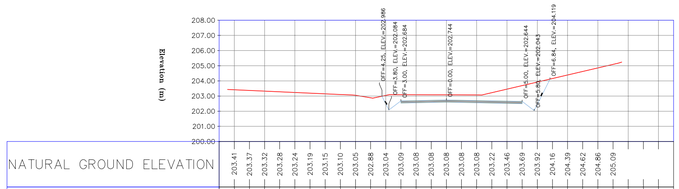
NATURAL GROUND ELEVATION	204.09	204.15	204.20	204.25	204.30	204.34	204.38	204.43	204.47	204.47	204.57	204.67	204.76	204.82	204.76	204.92	205.02	205.09	205.17	205.22	205.35	205.49	205.63	205.65	205.60	205.54	205.49	205.43	205.38
PROJECT ELEVATION											203.78		203.98		204.00		204.02		204.00		203.98		203.96		203.94		203.74		
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+430.00



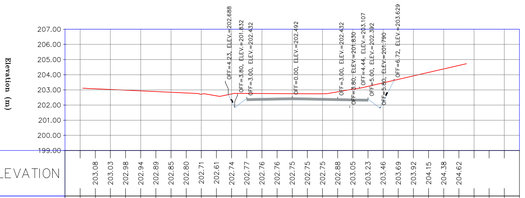
NATURAL GROUND ELEVATION	203.70	203.70	203.69	203.69	203.68	203.67	203.60	203.46	203.49	203.53	203.53	203.57	203.64	203.86	203.90	203.94	203.98	204.20	204.47	204.74	205.07	205.12	205.08	205.04	204.96	205.02	205.12		
PROJECT ELEVATION										203.09		203.29		203.31		203.33		203.31		203.27		203.05		205.03					
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+437.25



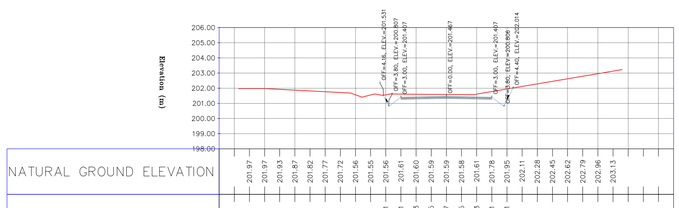
NATURAL GROUND ELEVATION	203.41	203.37	203.32	203.28	203.24	203.19	203.15	203.10	203.05	202.88	203.04	203.09	203.08	203.08	203.08	203.08	203.08	203.22	203.46	203.69	203.92	204.16	204.39	204.62	204.86	205.09			
PROJECT ELEVATION										202.68		202.68		202.70		202.72		202.74		202.70		202.68		202.66		202.64		202.44	
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+440.00



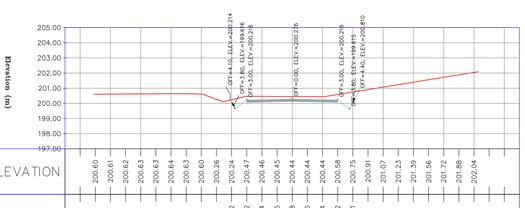
NATURAL GROUND ELEVATION	203.08	203.03	202.98	202.94	202.89	202.85	202.80	202.71	202.61	202.74	202.77	202.76	202.76	202.75	202.75	202.75	202.88	203.05	203.23	203.46	203.69	203.92	204.15	204.38	204.62				
PROJECT ELEVATION										202.23		202.43		202.45		202.47		202.49		202.47		202.45		202.43		202.23		202.39		202.19
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+450.00



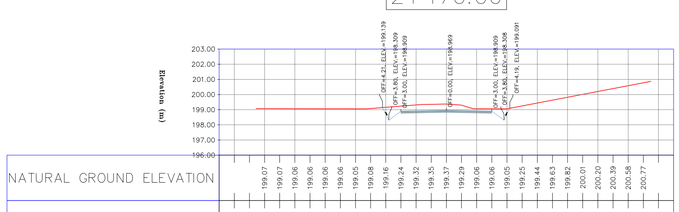
NATURAL GROUND ELEVATION	201.97	201.97	201.93	201.87	201.82	201.77	201.72	201.66	201.55	201.56	201.61	201.60	201.59	201.59	201.58	201.61	201.78	201.95	202.11	202.28	202.45	202.62	202.79	202.96	203.13				
PROJECT ELEVATION										201.21		201.41		201.43		201.45		201.43		201.41		201.21							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+460.00



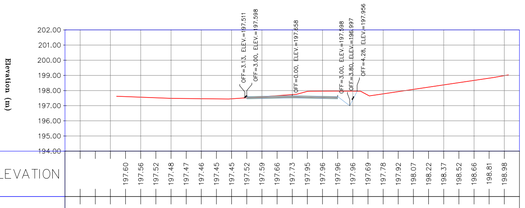
NATURAL GROUND ELEVATION	200.60	200.61	200.62	200.63	200.64	200.63	200.60	200.26	200.24	200.47	200.47	200.45	200.45	200.44	200.44	200.44	200.44	200.38	200.75	200.91	201.07	201.23	201.39	201.56	201.72	201.88	202.04		
PROJECT ELEVATION										200.02		200.22		200.26		200.28		200.26		200.24		200.22		200.01					
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+470.00



NATURAL GROUND ELEVATION	199.07	199.07	199.06	199.06	199.06	199.06	199.05	199.08	199.16	199.24	199.32	199.35	199.37	199.29	199.06	199.06	199.05	199.25	199.44	199.63	199.82	200.01	200.20	200.39	200.58	200.77			
PROJECT ELEVATION										198.71		198.91		198.93		198.95		198.97		198.95		198.93		198.91		198.71			
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+480.00



NATURAL GROUND ELEVATION	197.60	197.56	197.52	197.48	197.47	197.46	197.45	197.45	197.45	197.52	197.59	197.66	197.73	197.95	197.96	197.96	197.96	197.96	197.96	197.69	197.78	197.92	198.07	198.22	198.37	198.52	198.66	198.81	198.98
PROJECT ELEVATION										197.60		197.62		197.64		197.66		197.64		197.62		197.60		197.40					
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

1-ALL COORDINATES AND ELEVATIONS ARE IN METER.

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

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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.

LEGEND

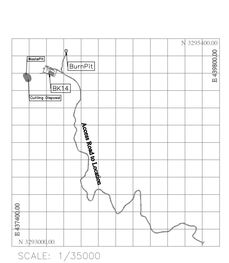
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.

اصل و کلیه نسخ این نقشه و حق اقتباس 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

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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

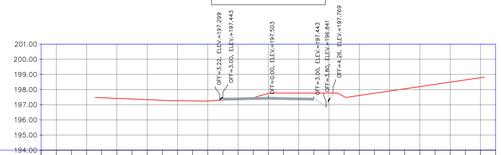
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	63 OF 98	D05

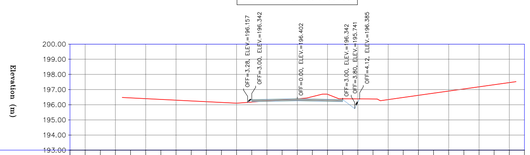
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	63	D05

2+481.19



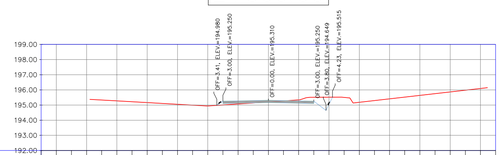
NATURAL GROUND ELEVATION	197.46	197.42	197.37	197.33	197.29	197.27	197.26	197.25	197.31	197.38	197.47	197.75	197.77	197.77	197.77	197.77	197.77	197.54	197.61	197.76	197.90	198.05	198.20	198.35	198.49	198.64	198.79		
PROJECT ELEVATION									197.44	197.46	197.48	197.50	197.48	197.46	197.44	197.24													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+490.00



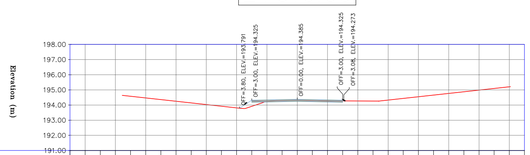
NATURAL GROUND ELEVATION	196.45	196.40	196.35	196.30	196.25	196.20	196.15	196.11	196.18	196.25	196.32	196.38	196.40	196.53	196.38	196.36	196.39	196.38	196.34	196.48	196.62	196.76	196.90	197.04	197.18	197.32	197.46		
PROJECT ELEVATION									196.34	196.36	196.38	196.40	196.38	196.36	196.34	196.4													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+500.00



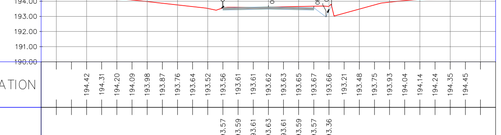
NATURAL GROUND ELEVATION	195.33	195.27	195.22	195.16	195.11	195.05	194.99	194.94	195.01	195.07	195.14	195.21	195.27	195.34	195.51	195.50	195.51	195.18	195.29	195.41	195.52	195.64	195.75	195.87	195.98	196.09			
PROJECT ELEVATION									195.25	195.27	195.29	195.31	195.29	195.27	195.25	195.05													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+510.00



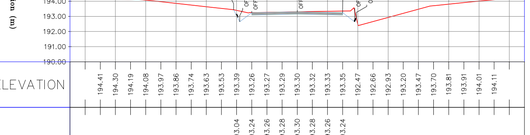
NATURAL GROUND ELEVATION	194.58	194.47	194.36	194.25	194.14	194.03	193.92	193.81	193.91	194.22	194.30	194.29	194.36	194.29	194.28	194.27	194.27	194.26	194.33	194.44	194.55	194.66	194.77	194.87	194.98	195.09	195.20		
PROJECT ELEVATION									194.32	194.34	194.36	194.38	194.36	194.34	194.32														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+520.00



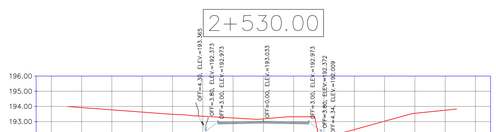
NATURAL GROUND ELEVATION	194.42	194.31	194.20	194.09	193.98	193.87	193.76	193.64	193.52	193.56	193.61	193.61	193.62	193.63	193.65	193.67	193.66	193.21	193.48	193.75	193.93	194.04	194.14	194.24	194.35	194.45			
PROJECT ELEVATION									193.57	193.59	193.61	193.63	193.61	193.59	193.57	193.36													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+525.12



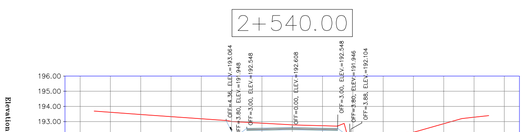
NATURAL GROUND ELEVATION	194.41	194.30	194.19	194.08	193.97	193.86	193.74	193.63	193.53	193.39	193.26	193.27	193.29	193.30	193.32	193.33	193.35	192.47	192.66	192.93	193.20	193.47	193.70	193.81	193.91	194.01	194.11		
PROJECT ELEVATION									193.04	193.24	193.26	193.30	193.28	193.26	193.24														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+530.00



NATURAL GROUND ELEVATION	193.92	193.85	193.77	193.70	193.62	193.55	193.48	193.42	193.35	193.29	193.24	193.18	193.17	193.26	193.31	193.31	191.91	192.19	192.47	192.74	193.02	193.30	193.54	193.64	193.75				
PROJECT ELEVATION									192.77	192.97	192.99	193.01	193.03	193.01	192.99	192.97	192.24												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+540.00



NATURAL GROUND ELEVATION	193.68	193.61	193.54	193.47	193.39	193.32	193.25	193.18	193.11	193.01	192.95	192.89	192.84	192.78	192.75	192.72	192.70	192.09	191.95	191.82	192.00	192.29	192.57	192.86	193.14	193.28			
PROJECT ELEVATION									192.35	192.55	192.57	192.59	192.61	192.59	192.57	192.55													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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

REFERENCE DRAWING	DRG. No.
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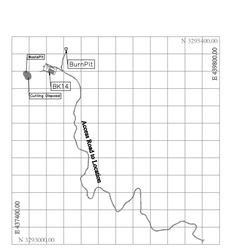
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 — PEDCO

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	64 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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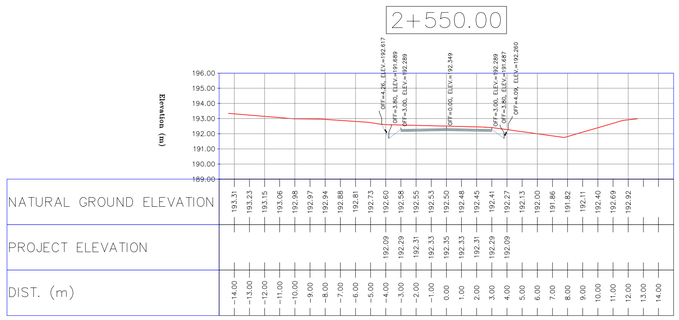
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

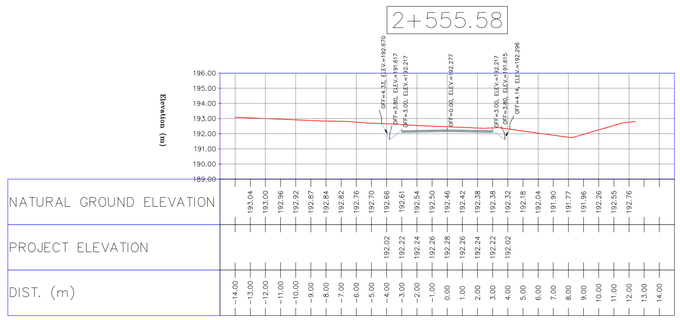
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

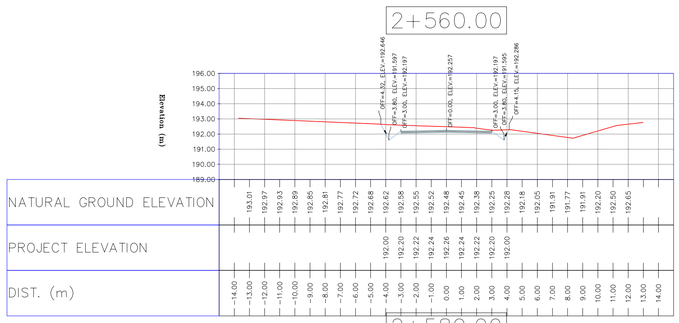
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

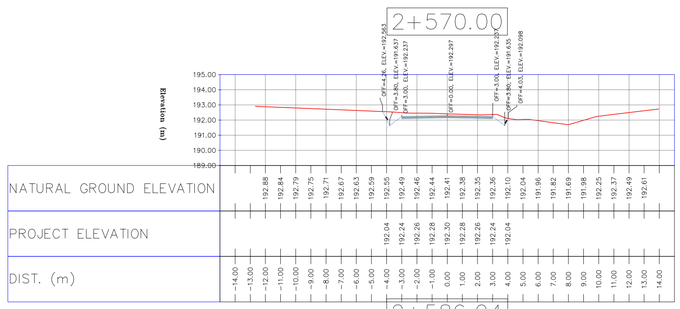
APPROVED FOR CONSTRUCTION	BY:	DATE:

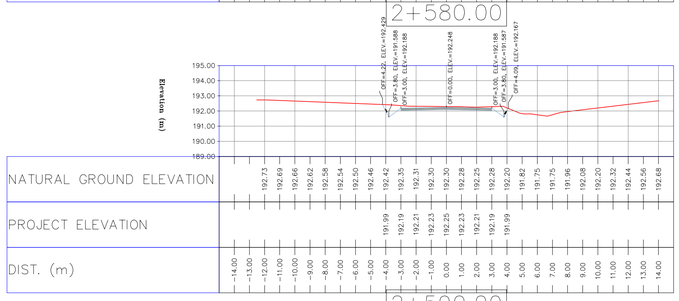
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	64	D05

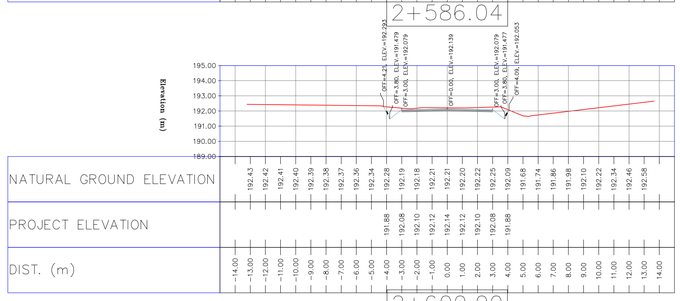


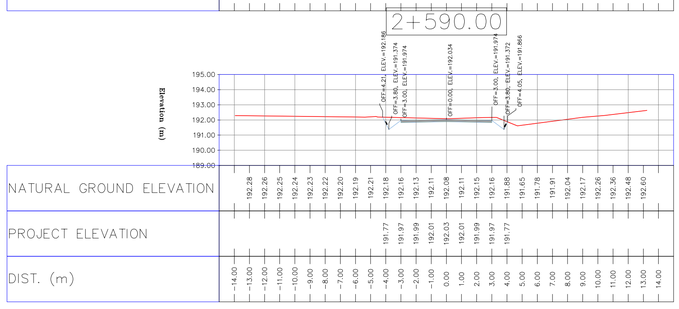


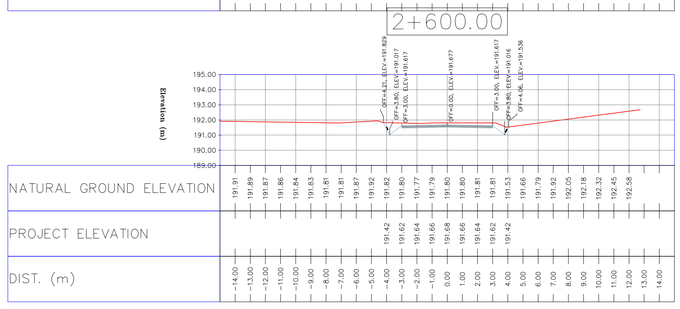


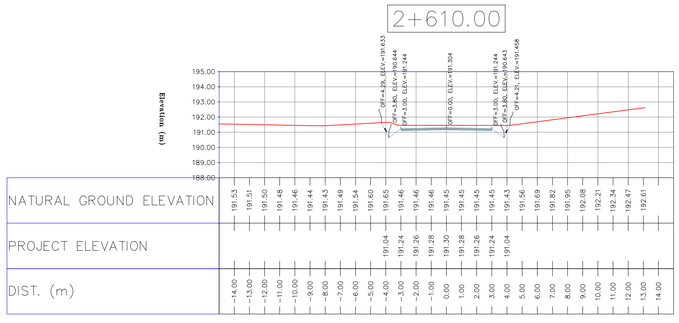


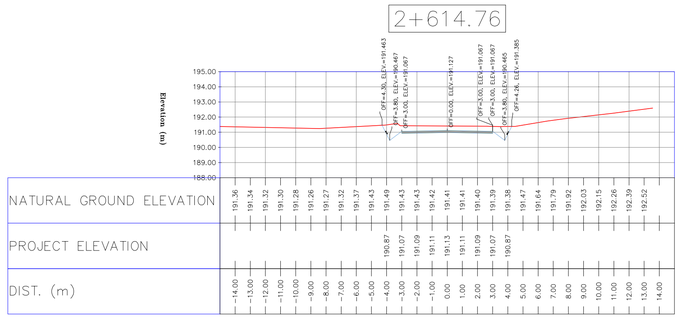












NOTES

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.

LEGEND

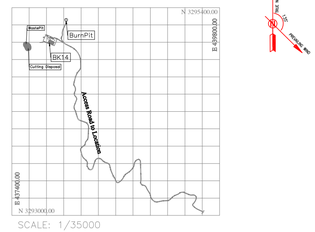
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

اصل و کلیه نسخ این نقشه و حق اقتباس 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.

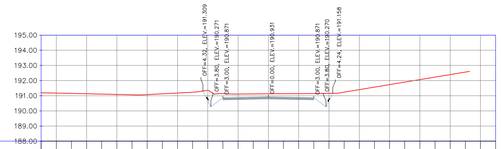
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	65 OF 98	D05

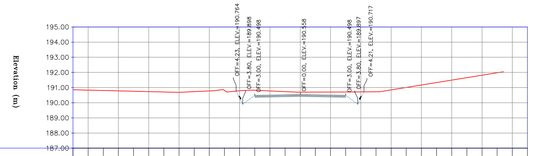
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	65	D05

2+620.00



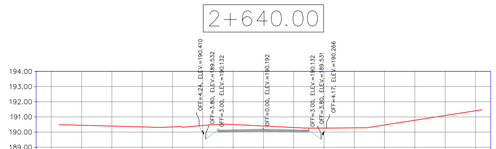
NATURAL GROUND ELEVATION	191.17	191.15	191.13	191.11	191.09	191.06	191.08	191.13	191.18	191.23	191.35	191.14	191.11	191.12	191.13	191.13	191.14	191.15	191.16	191.24	191.40	191.57	191.73	191.90	192.06	192.23	192.39	192.56
PROJECT ELEVATION											190.67	190.87	190.89	190.91	190.93	190.91	190.89	190.87	190.67									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+630.00



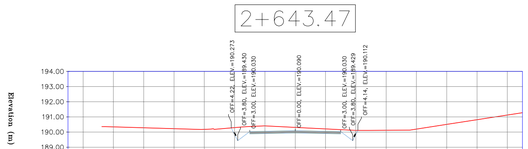
NATURAL GROUND ELEVATION	190.83	190.81	190.78	190.75	190.73	190.70	190.68	190.73	190.78	190.81	190.79	190.82	190.78	190.73	190.70	190.78	190.70	190.70	190.70	190.72	190.84	190.84	191.01	191.17	191.33	191.49	191.65	191.81	191.97
PROJECT ELEVATION											190.30	190.50	190.52	190.54	190.56	190.54	190.52	190.50	190.71	190.30									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+640.00



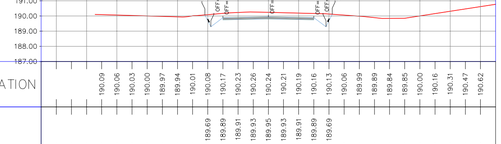
NATURAL GROUND ELEVATION	190.48	190.45	190.42	190.39	190.36	190.34	190.31	190.34	190.37	190.43	190.49	190.50	190.45	190.40	190.35	190.30	190.27	190.27	190.28	190.31	190.47	190.62	190.78	190.94	191.09	191.25	191.40	
PROJECT ELEVATION											189.93	190.13	190.15	190.17	190.19	190.17	190.15	190.13	189.93									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+643.47



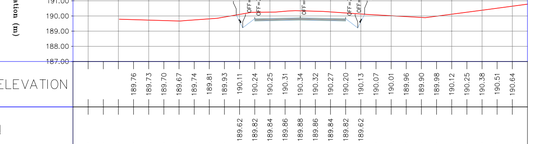
NATURAL GROUND ELEVATION	190.34	190.31	190.28	190.25	190.22	190.19	190.18	190.20	190.29	190.37	190.41	190.36	190.31	190.26	190.21	190.16	190.11	190.11	190.12	190.12	190.19	190.35	190.50	190.66	190.81	190.96	191.12	
PROJECT ELEVATION											189.83	190.03	190.05	190.07	190.09	190.07	190.05	190.03	189.83									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+650.00



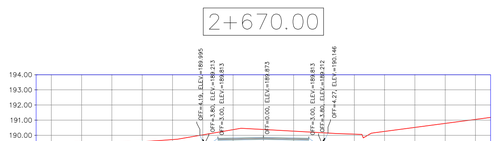
NATURAL GROUND ELEVATION	190.09	190.06	190.03	190.00	189.97	189.94	189.91	189.88	189.85	190.00	190.16	190.31	190.47	190.62														
PROJECT ELEVATION											189.69	189.89	189.91	189.93	189.95	189.93	189.91	189.89	189.69									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+660.00



NATURAL GROUND ELEVATION	189.76	189.73	189.70	189.67	189.74	189.81	189.93	190.11	190.24	190.25	190.31	190.34	190.32	190.27	190.20	190.13	190.07	190.01	189.96	189.90	189.98	190.12	190.25	190.38	190.51	190.64		
PROJECT ELEVATION											189.62	189.82	189.84	189.86	189.88	189.86	189.84	189.82	189.62									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+670.00

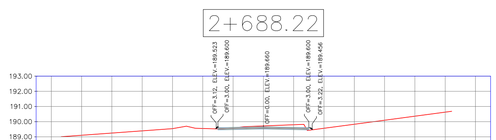


NATURAL GROUND ELEVATION	189.46	189.43	189.42	189.50	189.57	189.64	189.72	189.86	190.03	190.20	190.37	190.44	190.38	190.33	190.27	190.22	190.16	190.11	190.08	190.07	190.26	190.39	190.52	190.65	190.78	190.92	191.05	
PROJECT ELEVATION											189.61	189.81	189.83	189.85	189.87	189.85	189.83	189.81	189.61									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+680.00

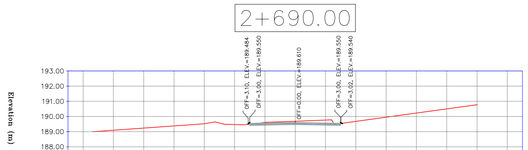
NATURAL GROUND ELEVATION	189.18	189.25	189.33	189.40	189.47	189.55	189.62	189.78	189.95	189.97	189.94	189.91	189.89	189.86	189.89	189.95	189.99	189.99	189.20	189.33	189.46	189.59	189.73	189.86	189.99	190.13	190.26	
PROJECT ELEVATION									189.56	189.76	189.78	189.80	189.82	189.80	189.78	189.76	189.76	189.56										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+688.22



NATURAL GROUND ELEVATION	189.03	189.10	189.17	189.25	189.32	189.39	189.47	189.54	189.68	189.55	189.52	189.59	189.68	189.71	189.75	189.79	189.43	189.56	189.69	189.83	189.96	190.09	190.22	190.36	190.49	190.62		
PROJECT ELEVATION											189.60	189.62	189.64	189.66	189.62	189.64	189.62	189.60										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+690.00



NATURAL GROUND ELEVATION	189.02	189.09	189.16	189.23	189.31	189.38	189.45	189.52	189.57	189.47	189.55	189.61	189.65	189.69	189.72	189.76	189.54	189.67	189.81	189.95	190.09	190.22	190.36	190.50	190.63	190.77		
PROJECT ELEVATION											189.55	189.57	189.59	189.61	189.59	189.61	189.59	189.57										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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VERTICAL DATUM:	MSL

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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-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

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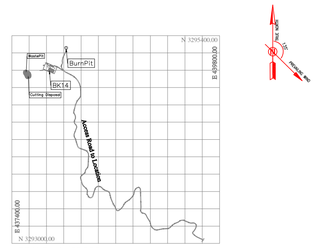
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	66 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

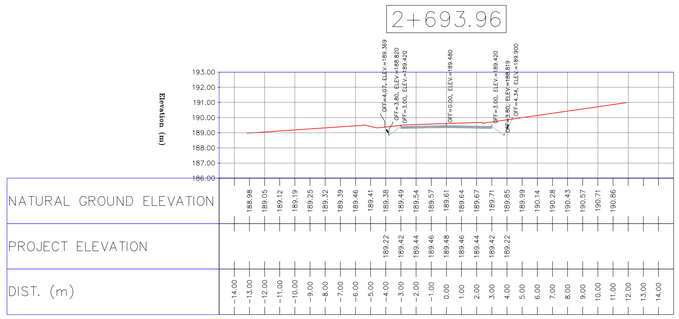
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

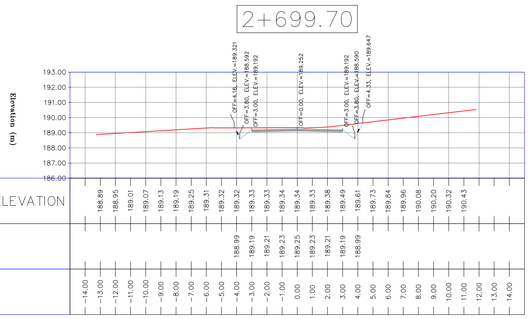
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	66	D05

2+693.96



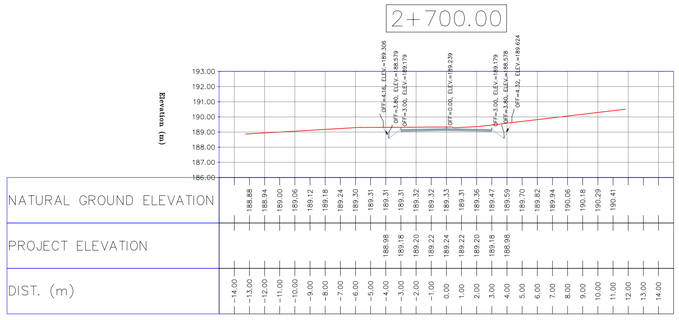
NATURAL GROUND ELEVATION	188.98	189.05	189.12	189.19	189.25	189.32	189.39	189.46	189.41	189.38	189.49	189.54	189.57	189.61	189.64	189.67	189.71	189.85	189.99	190.14	190.28	190.43	190.57	190.71	190.86			
PROJECT ELEVATION										189.22	189.42	189.44	189.46	189.48	189.46	189.44	189.42	189.22										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+699.70



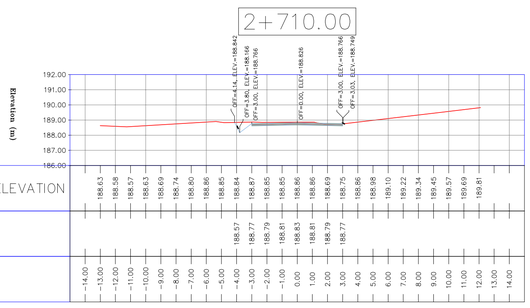
NATURAL GROUND ELEVATION	188.89	188.95	189.01	189.07	189.13	189.19	189.25	189.31	189.32	189.32	189.33	189.33	189.34	189.34	189.33	189.38	189.49	189.61	189.73	189.84	189.96	190.08	190.20	190.32	190.43			
PROJECT ELEVATION										188.99	189.19	189.21	189.23	189.25	189.23	189.21	189.19	188.99										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+700.00



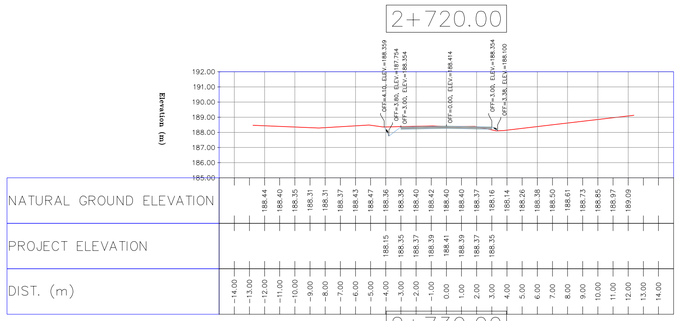
NATURAL GROUND ELEVATION	188.88	188.94	189.00	189.06	189.12	189.18	189.24	189.30	189.31	189.31	189.31	189.32	189.32	189.33	189.31	189.35	189.47	189.59	189.70	189.82	189.94	190.06	190.18	190.29	190.41			
PROJECT ELEVATION										188.98	189.18	189.20	189.22	189.24	189.22	189.20	189.18	188.98										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+710.00



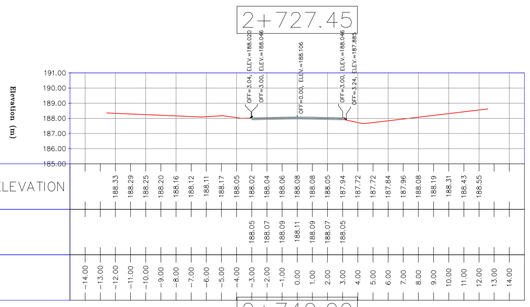
NATURAL GROUND ELEVATION	188.63	188.58	188.57	188.63	188.69	188.74	188.80	188.86	188.85	188.84	188.87	188.85	188.85	188.85	188.86	188.86	188.69	188.75	188.86	188.98	189.10	189.22	189.34	189.45	189.57	189.69	189.81	
PROJECT ELEVATION										188.57	188.77	188.79	188.81	188.83	188.81	188.81	188.79	188.77										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+720.00



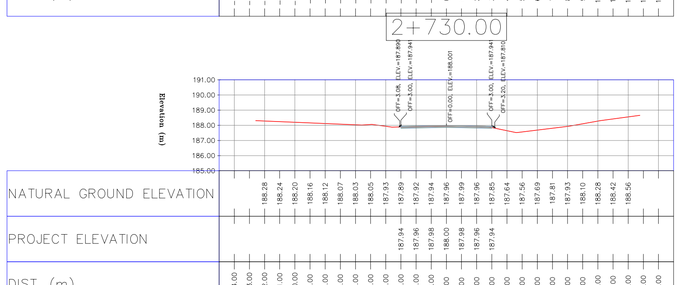
NATURAL GROUND ELEVATION	188.44	188.40	188.35	188.31	188.31	188.37	188.43	188.47	188.36	188.38	188.40	188.42	188.40	188.40	188.40	188.37	188.16	188.14	188.26	188.38	188.50	188.61	188.73	188.85	188.97	189.09		
PROJECT ELEVATION										188.15	188.35	188.37	188.39	188.41	188.39	188.37	188.35											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+727.45



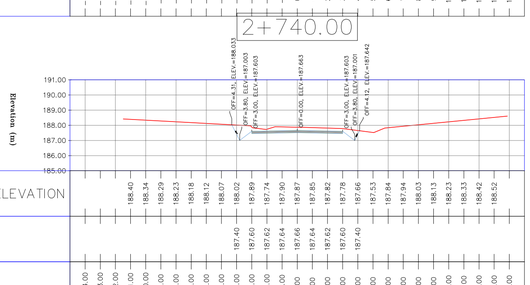
NATURAL GROUND ELEVATION	188.33	188.29	188.25	188.20	188.16	188.12	188.11	188.17	188.05	188.02	188.04	188.06	188.08	188.11	188.09	188.08	188.05	187.94	187.72	187.72	187.84	187.96	188.08	188.19	188.31	188.43	188.55	
PROJECT ELEVATION										188.05	188.07	188.09	188.08	188.11	188.09	188.08	188.07	188.05										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+730.00



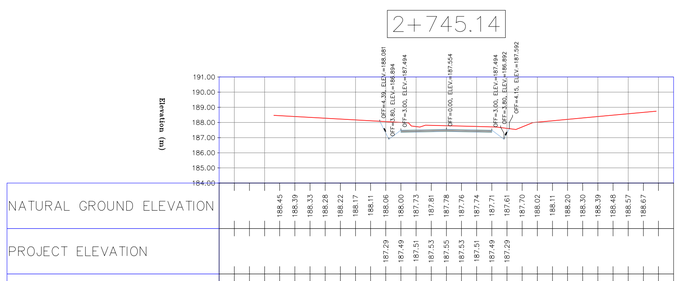
NATURAL GROUND ELEVATION	188.28	188.24	188.20	188.16	188.12	188.07	188.03	188.05	187.93	187.89	187.92	187.94	187.98	187.96	187.99	187.96	187.85	187.64	187.56	187.69	187.81	187.93	188.10	188.28	188.42	188.56		
PROJECT ELEVATION										187.94	187.96	187.98	188.00	187.98	187.96	187.96	187.94											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+740.00



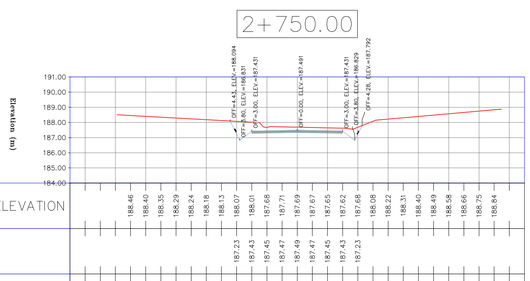
NATURAL GROUND ELEVATION	188.40	188.34	188.29	188.23	188.18	188.12	188.07	188.02	187.89	187.74	187.90	187.87	187.85	187.82	187.78	187.66	187.53	187.64	187.84	187.94	188.03	188.13	188.23	188.33	188.42	188.52		
PROJECT ELEVATION										187.40	187.60	187.62	187.64	187.66	187.64	187.62	187.60	187.40										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+745.14



NATURAL GROUND ELEVATION	188.45	188.39	188.33	188.28	188.22	188.17	188.11	188.06	188.00	187.73	187.81	187.78	187.76	187.74	187.71	187.70	187.61	187.70	188.02	188.11	188.20	188.30	188.39	188.48	188.57	188.67		
PROJECT ELEVATION										187.29	187.49	187.51	187.53	187.55	187.53	187.51	187.49	187.29										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+750.00



NATURAL GROUND ELEVATION	188.46	188.40	188.35	188.29	188.24	188.18	188.13	188.07	188.01	187.68	187.71	187.69	187.67	187.65	187.62	187.68	188.08	188.22	188.31	188.40	188.49	188.58	188.66	188.75	188.84			
PROJECT ELEVATION										187.23	187.43	187.45	187.47	187.49	187.47	187.45	187.43	187.23										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

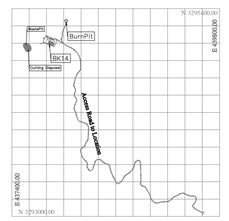
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 PEDCO

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	67 OF 98	D05

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

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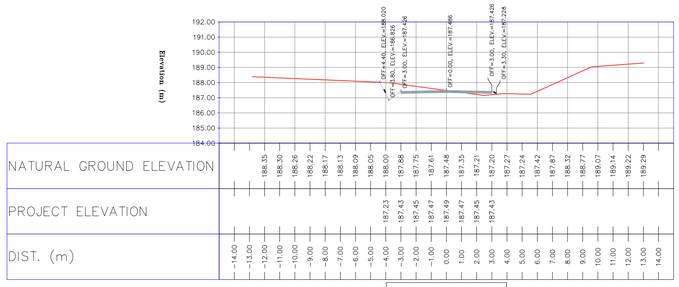
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

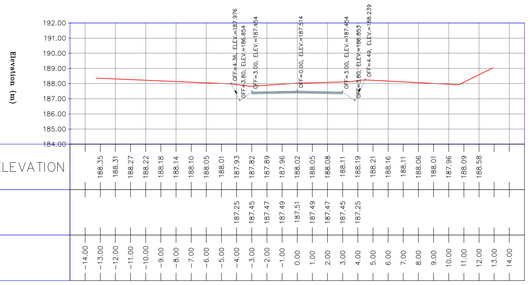
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	67	D05

2+760.00



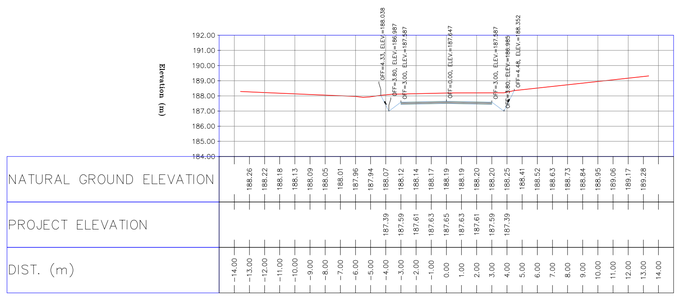
NATURAL GROUND ELEVATION	188.35	188.30	188.26	188.22	188.17	188.13	188.09	188.05	188.00	187.88	187.75	187.61	187.48	187.35	187.21	187.20	187.27	187.24	187.42	187.87	188.32	188.77	189.07	189.14	189.22	189.29				
PROJECT ELEVATION									187.23		187.43		187.47		187.49		187.45		187.43											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

2+762.82



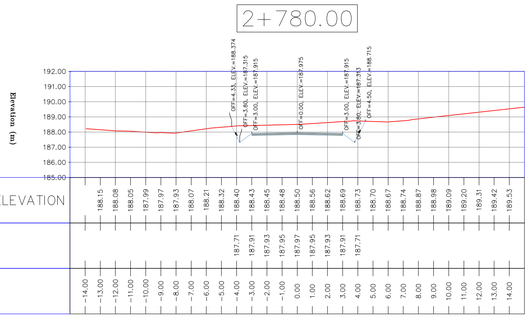
NATURAL GROUND ELEVATION	188.35	188.31	188.27	188.22	188.18	188.14	188.10	188.05	188.01	187.93	187.82	187.89	187.96	188.02	188.05	188.08	188.11	188.19	188.21	188.16	188.11	188.06	188.01	187.96	188.09	188.58				
PROJECT ELEVATION									187.25	187.45	187.47	187.49	187.51	187.49	187.47	187.45	187.25													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

2+770.00



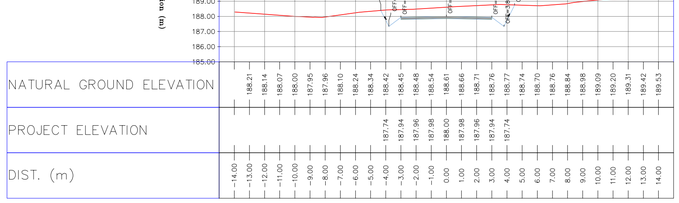
NATURAL GROUND ELEVATION	188.26	188.22	188.18	188.13	188.09	188.05	188.01	187.96	187.94	188.07	188.12	188.14	188.17	188.19	188.19	188.20	188.20	188.25	188.41	188.52	188.63	188.73	188.84	188.95	189.06	189.17	189.28			
PROJECT ELEVATION									187.39	187.59	187.61	187.61	187.63	187.65	187.63	187.61	187.59	187.39												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

2+780.00



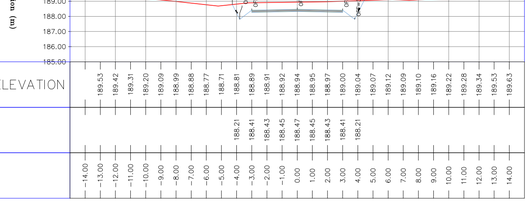
NATURAL GROUND ELEVATION	188.15	188.08	188.05	187.99	187.97	187.83	188.07	188.21	188.32	188.40	188.43	188.45	188.48	188.50	188.56	188.62	188.69	188.73	188.70	188.67	188.74	188.87	188.98	189.09	189.20	189.31	189.42	189.53		
PROJECT ELEVATION										187.71	187.91	187.93	187.95	187.97	187.95	187.93	187.91	187.71												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

2+780.55



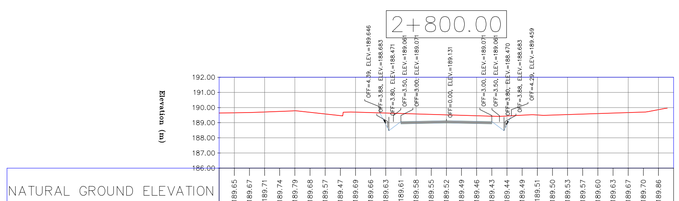
NATURAL GROUND ELEVATION	188.21	188.14	188.07	188.00	187.95	187.96	188.10	188.24	188.34	188.42	188.45	188.48	188.54	188.61	188.66	188.71	188.76	188.77	188.74	188.70	188.76	188.84	188.98	189.09	189.20	189.31	189.42	189.53		
PROJECT ELEVATION										187.74	187.94	187.96	187.98	188.00	187.98	187.96	187.94	187.74												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

2+790.00



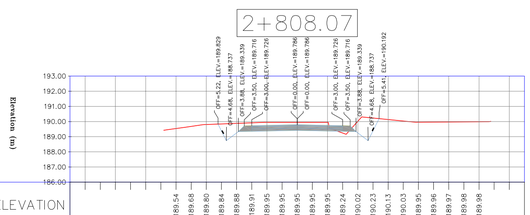
NATURAL GROUND ELEVATION	189.53	189.42	189.31	189.20	189.09	188.99	188.88	188.77	188.71	188.81	188.89	188.91	188.92	188.94	188.95	188.97	189.00	189.04	189.07	189.12	189.09	189.10	189.16	189.22	189.28	189.34	189.53	189.63		
PROJECT ELEVATION										188.21	188.41	188.43	188.45	188.47	188.45	188.43	188.41	188.21												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

2+800.00



NATURAL GROUND ELEVATION	189.65	189.67	189.71	189.74	189.79	189.68	189.57	189.47	189.69	189.66	189.63	189.61	189.58	189.55	189.52	189.49	189.46	189.43	189.44	189.49	189.51	189.50	189.53	189.57	189.60	189.63	189.67	189.70	189.86	
PROJECT ELEVATION										188.91	189.07	189.09	189.09	189.11	189.11	189.09	189.07	188.91												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

2+808.07



NATURAL GROUND ELEVATION	189.54	189.68	189.80	189.84	189.88	189.91	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	190.02	190.23	190.13	190.03	189.95	189.96	189.97	189.98	189.98	
PROJECT ELEVATION										189.36	189.25	189.73	189.75	189.77	189.77	189.77	189.79	189.77	189.75	189.73	189.25	189.38								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

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:
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- "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.

LEGEND

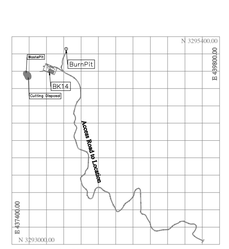
⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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

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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 — PEDCO

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

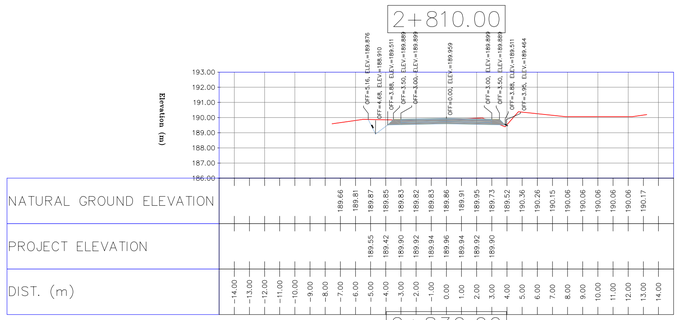
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

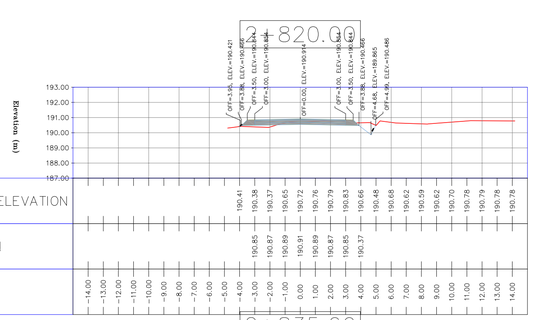
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

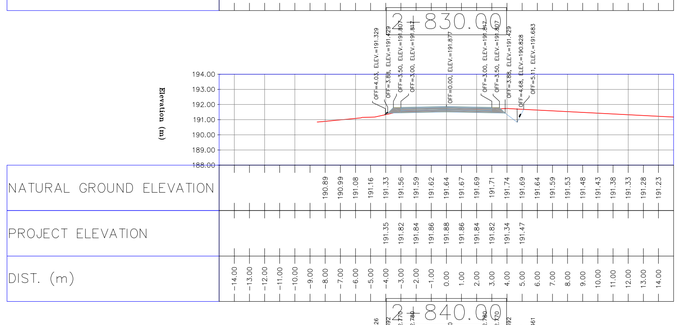
APPROVED FOR CONSTRUCTION | BY: | DATE:

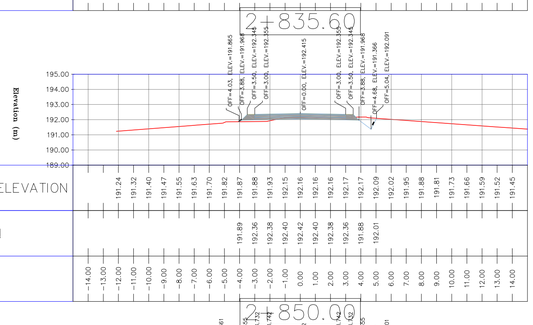
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	68 OF 98	D05

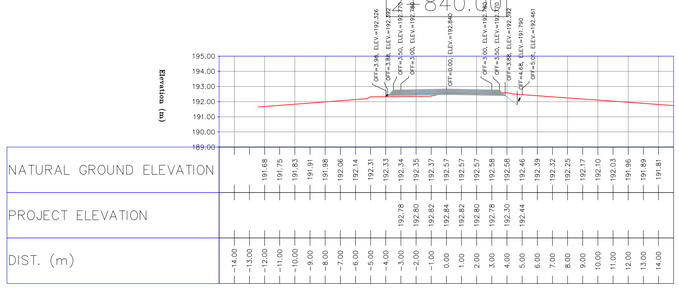
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	68	D05

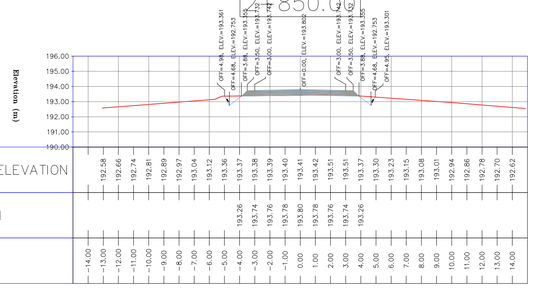


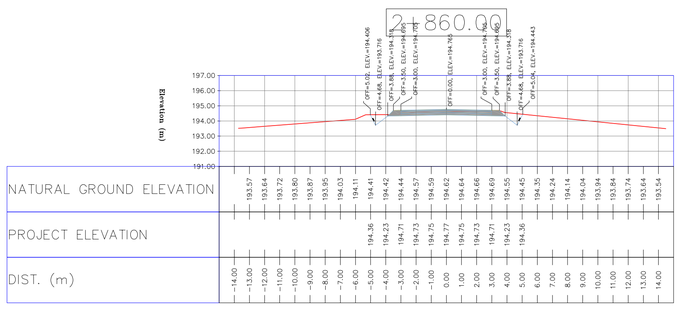


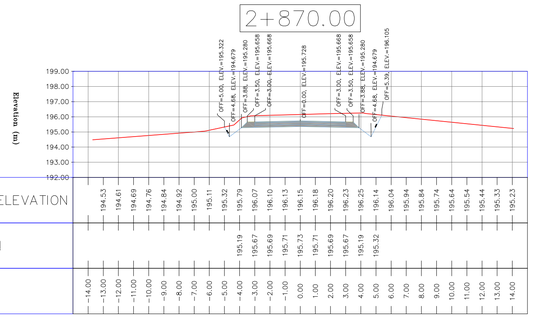


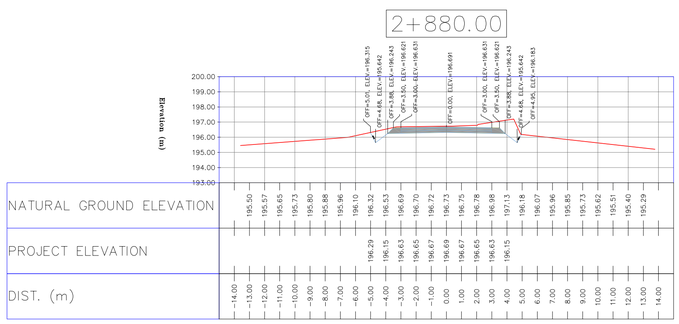


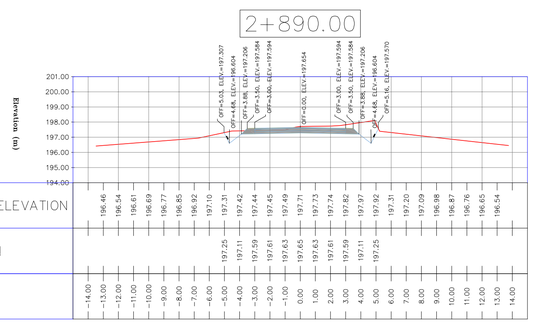












NOTES

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VERTICAL DATUM:	MSL

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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-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

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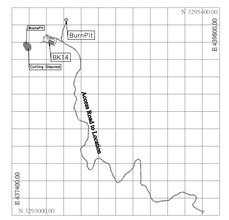
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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 (PEDCO)

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	69 OF 98	D05

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

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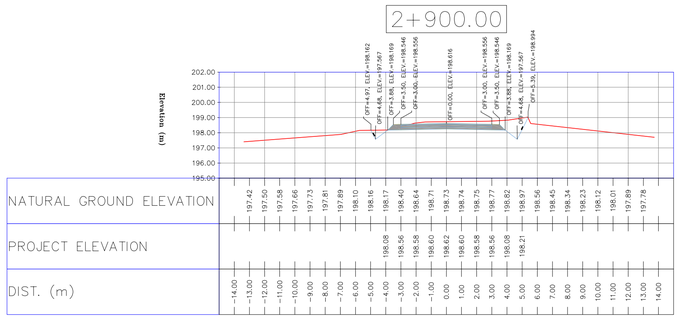
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

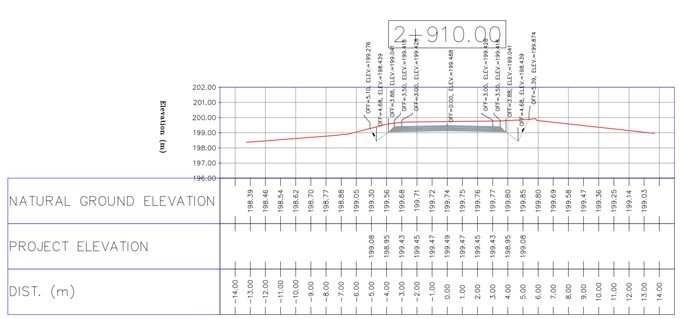
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

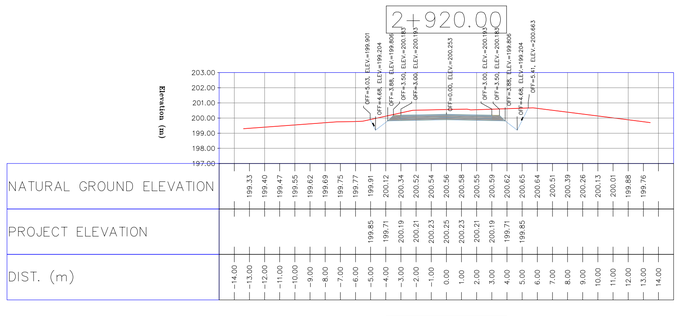
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

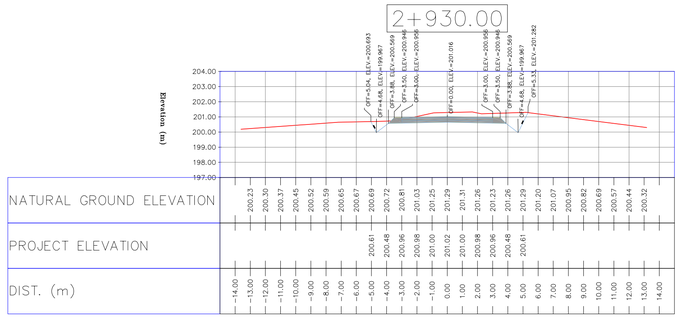
APPROVED FOR CONSTRUCTION	BY:	DATE:

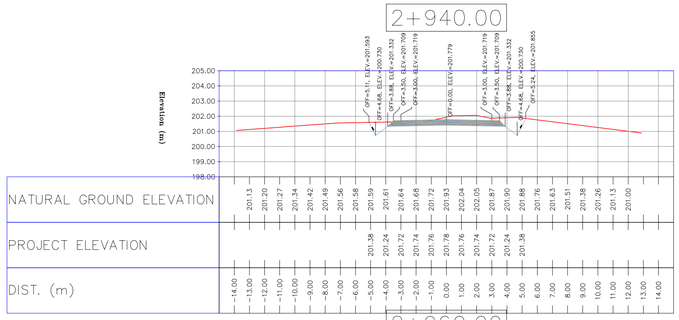
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	69	D05

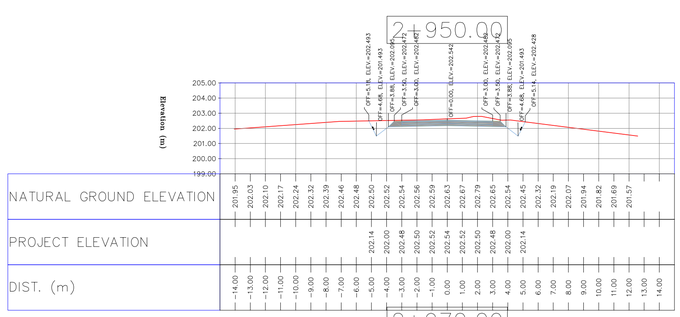


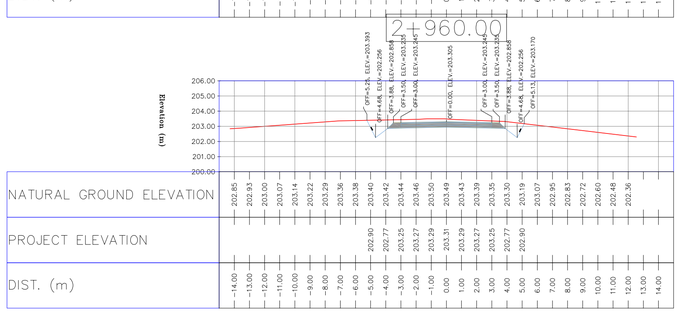


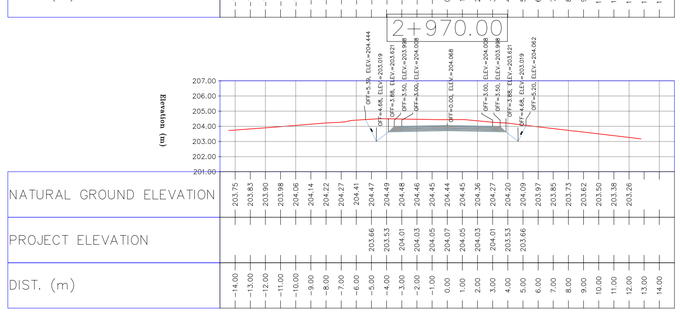


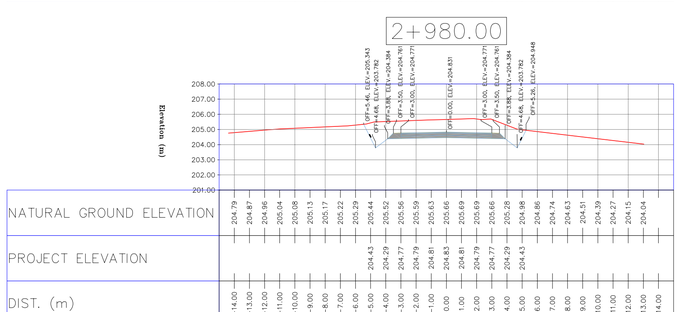


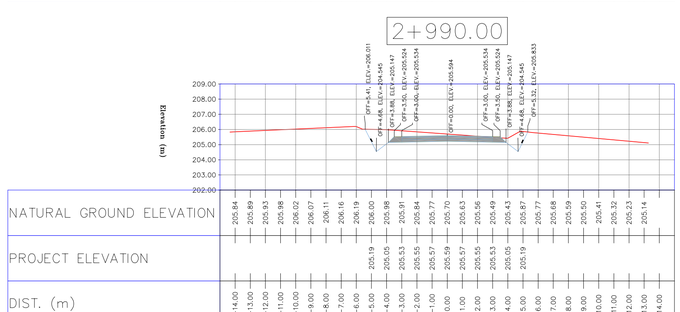












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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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LEGEND

⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	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
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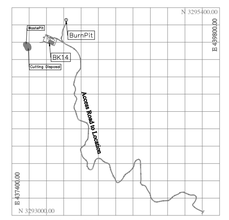
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	APPR. BY	APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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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 — PEDCO

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

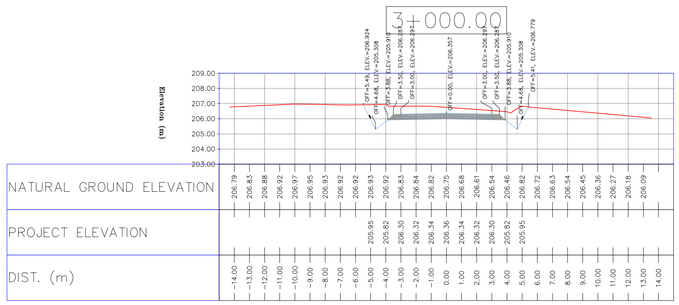
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

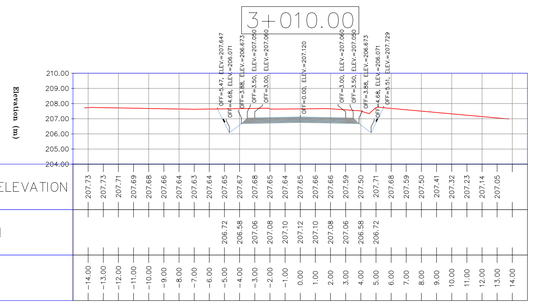
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

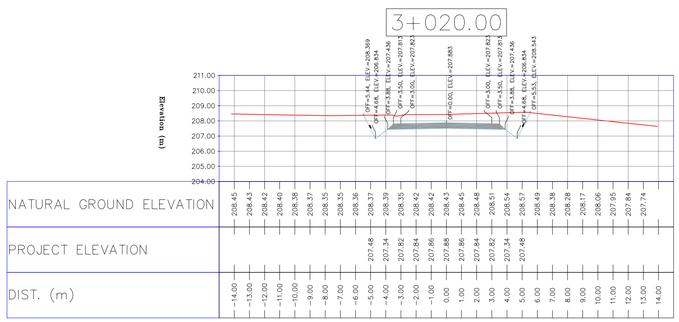
APPROVED FOR CONSTRUCTION BY: DATE:

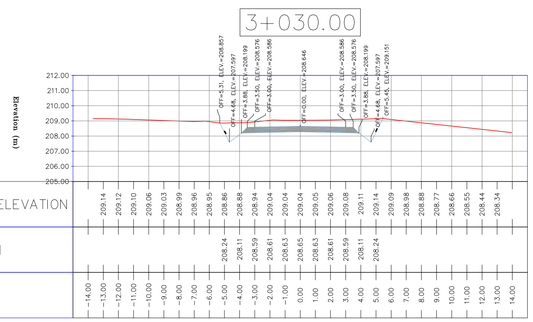
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	70 OF 98	D05

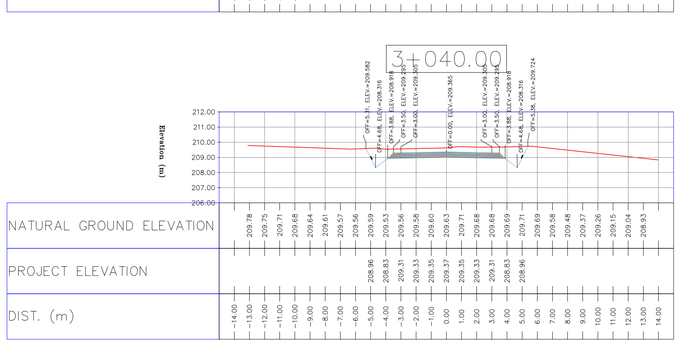
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	70	D05

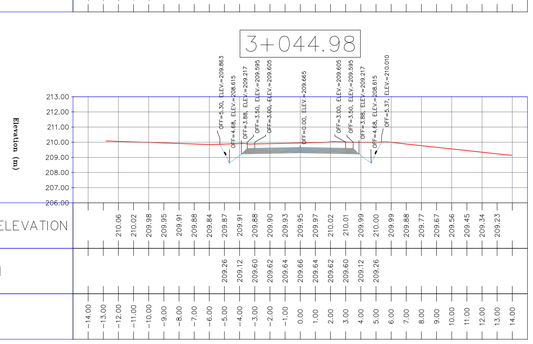


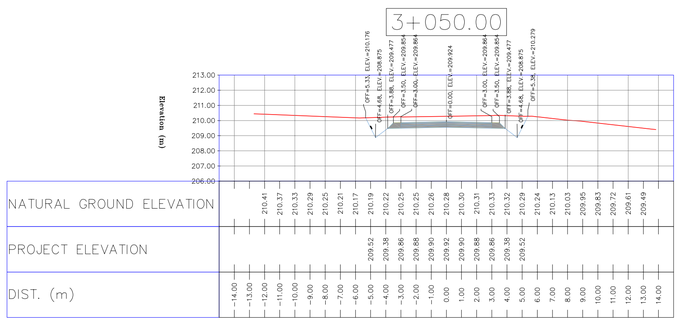


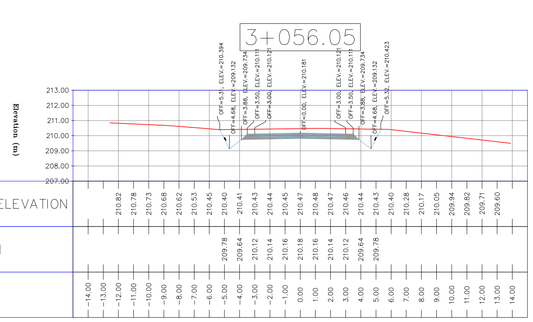












NOTES

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WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
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REFERENCE DRAWING	DRG. No.
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Specification For Earth Work	BK–GNRAL–PEDCO–000–CV–SP–0004
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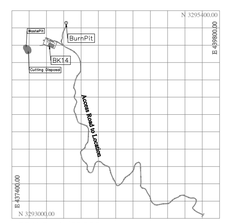
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

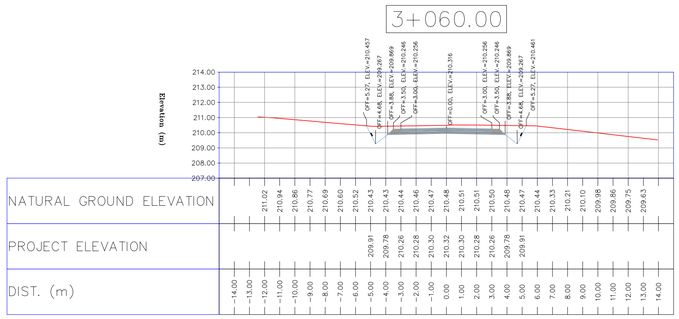
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

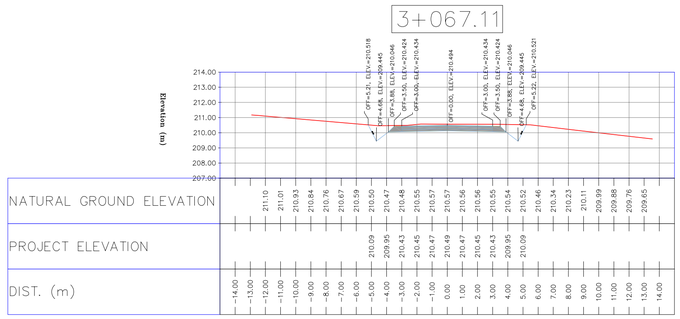
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

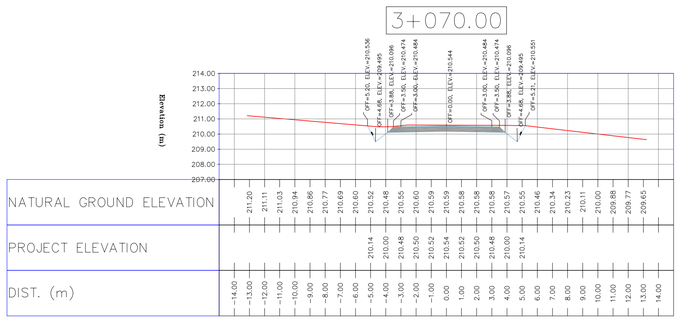
APPROVED FOR CONSTRUCTION | BY: | DATE:

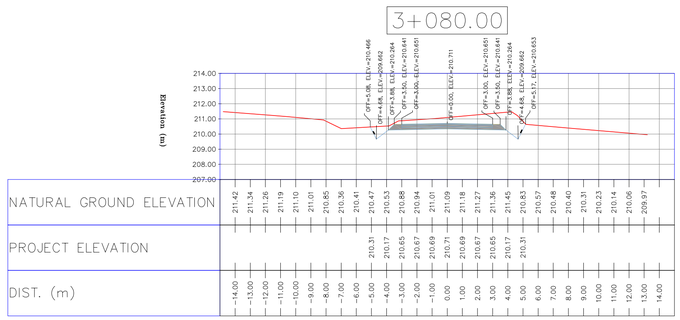
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	71 OF 98	D05

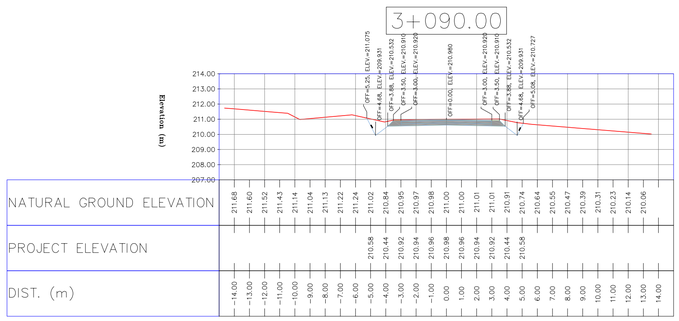
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	71	D05

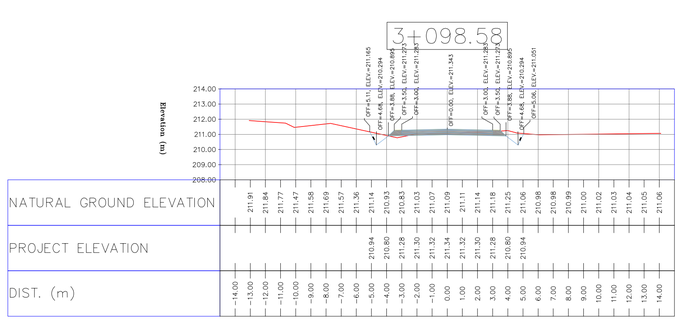


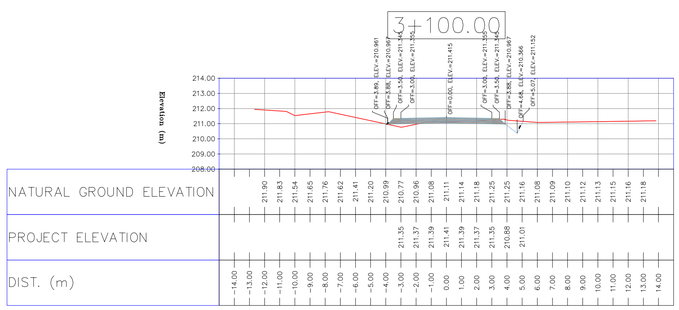


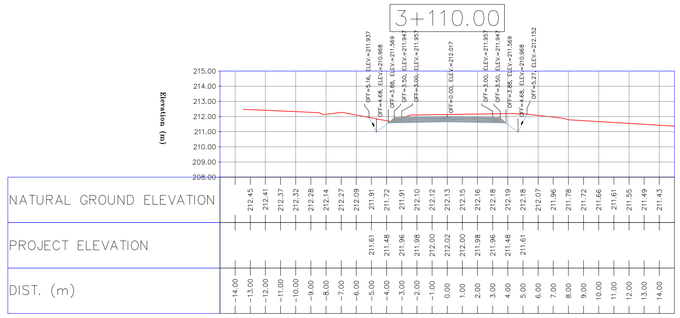












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WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
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REFERENCE DRAWING	DRG. No.
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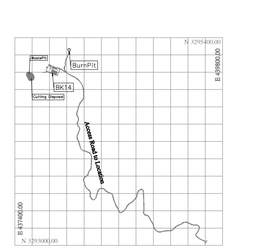

SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

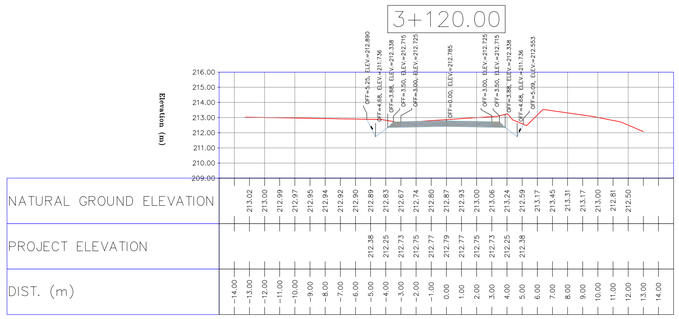
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

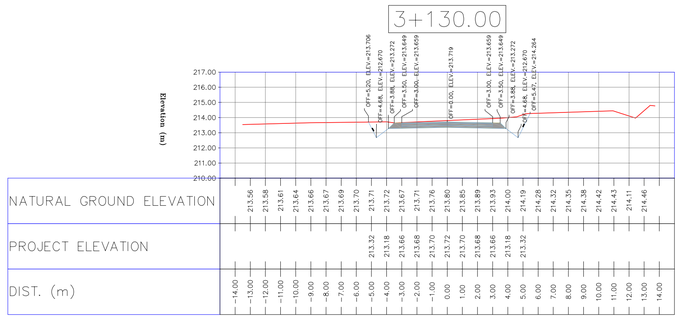
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

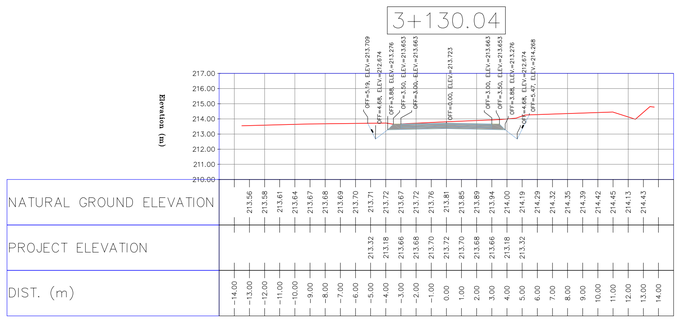
APPROVED FOR CONSTRUCTION | BY: | DATE:

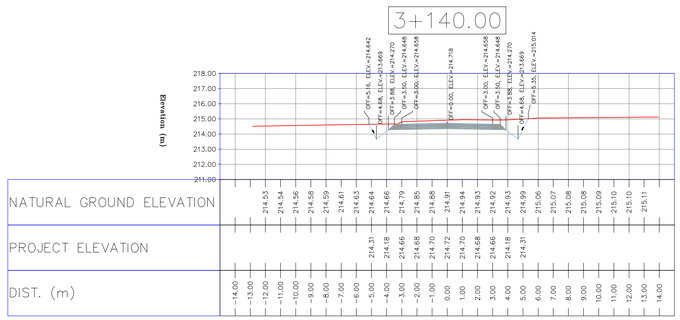
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	72 OF 98	D05

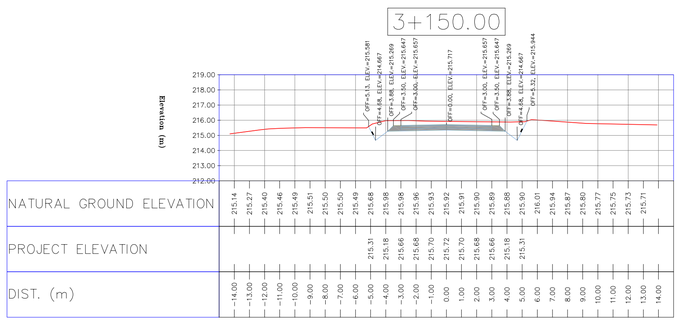
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	72	D05

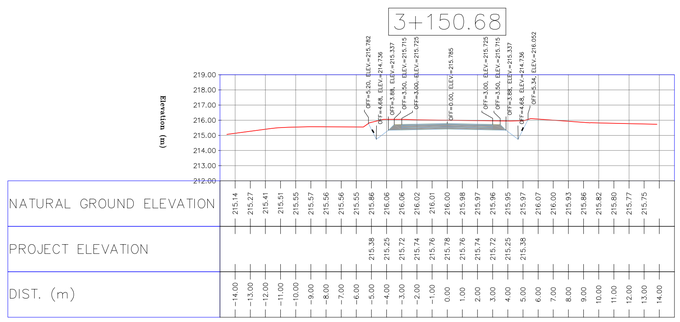


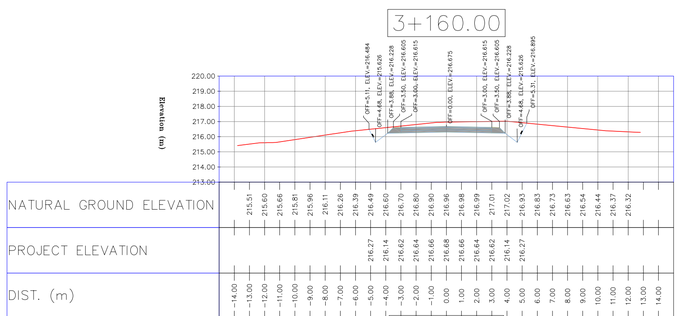


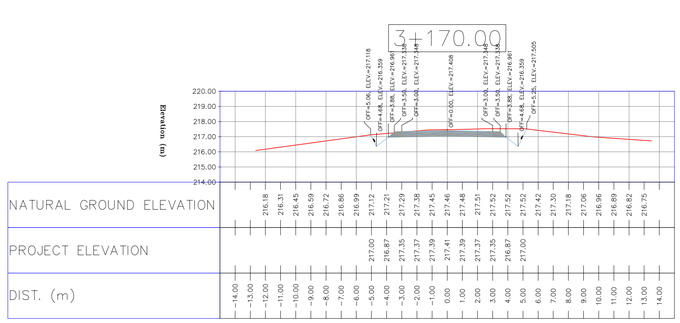


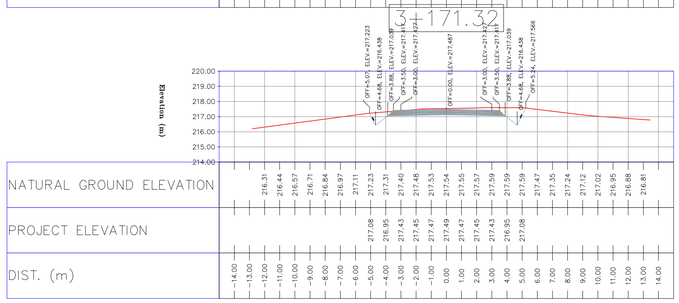












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HORIZONTAL COORDINATE SYSTEM:	WGS84/UTM ZONE 39
ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK–GNRAL–PEDCO–000–CV–SP–0004".
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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–GNRAL–PEDCO–000–CV–SP–0004
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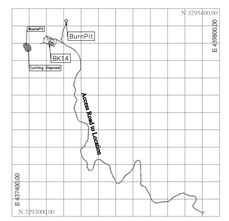
KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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	**.**
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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 — PEDCO

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	73 OF 98	D05

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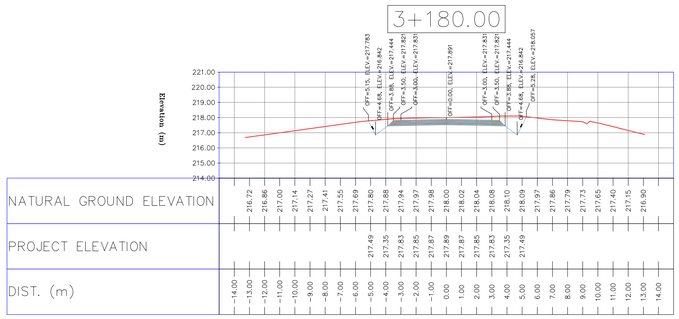
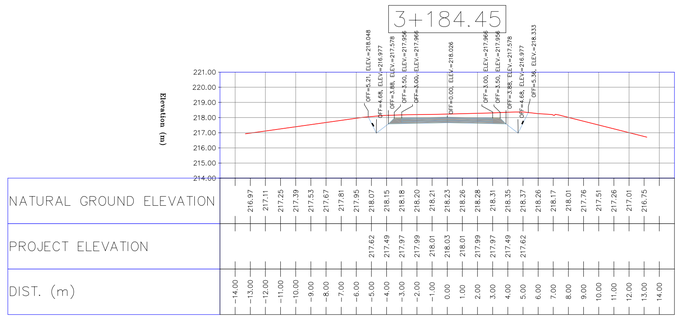
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

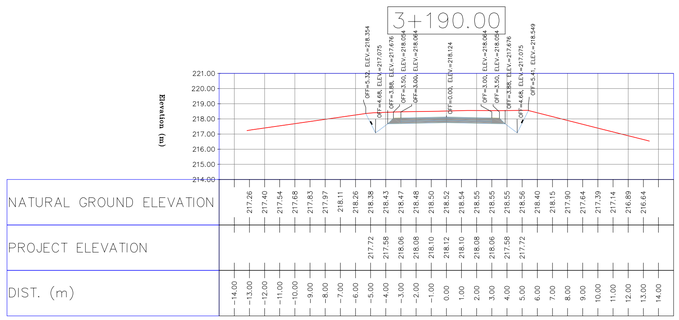
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

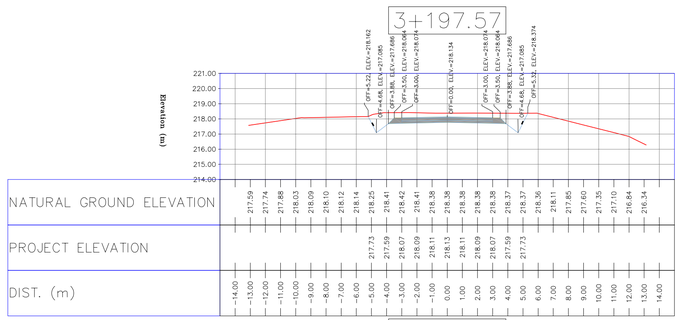
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

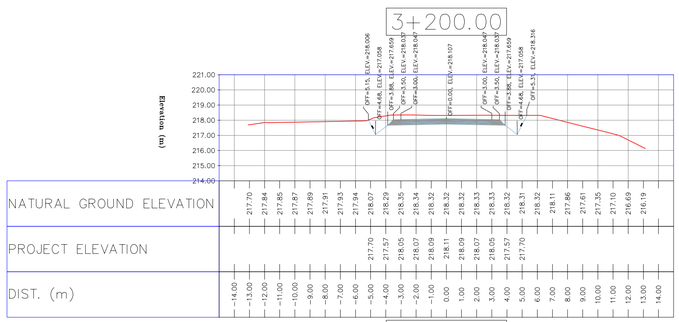
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	73	D05

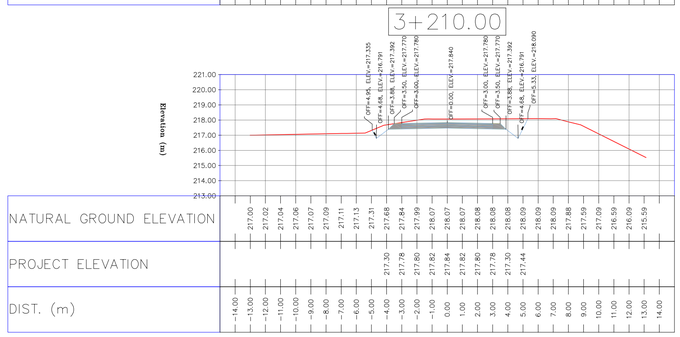


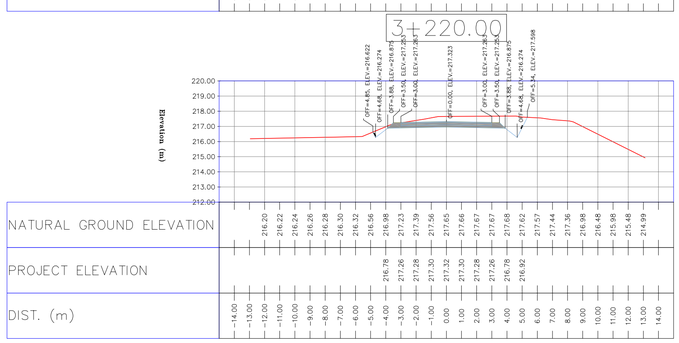


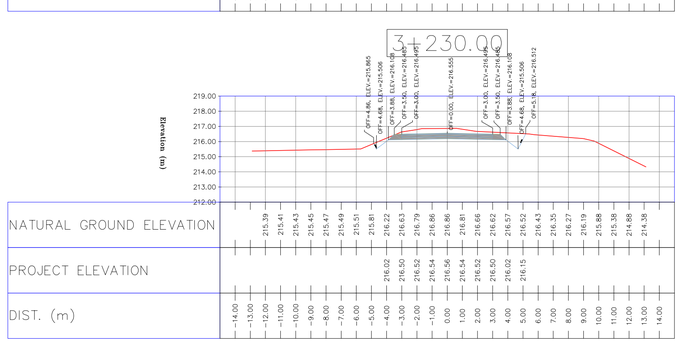












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MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	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–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
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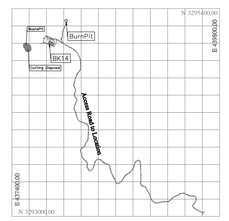
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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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 — PEDCO

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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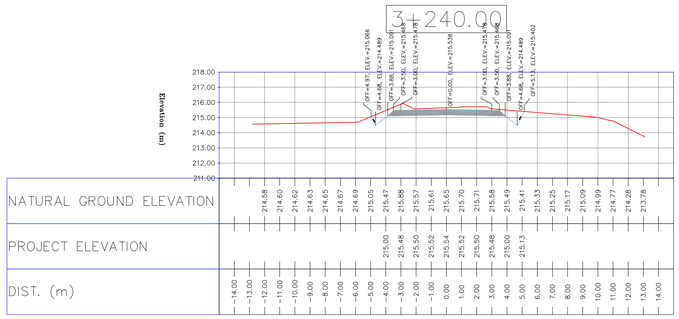
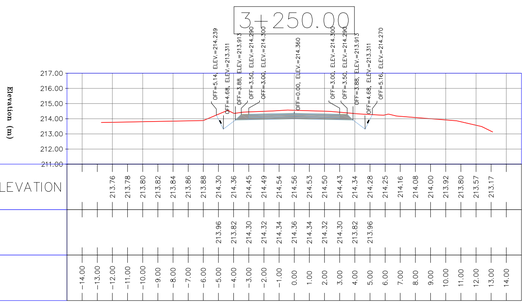
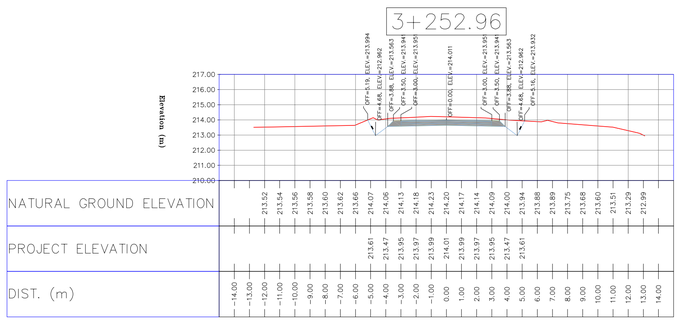
APPROVED FOR CONSTRUCTION | BY: | DATE:

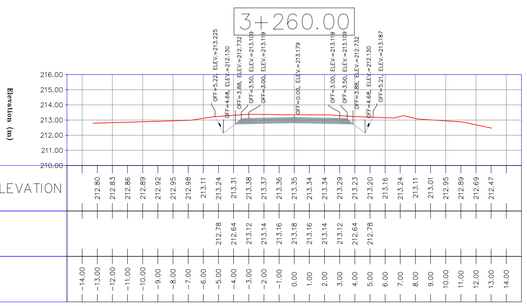
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	74 OF 98	D05

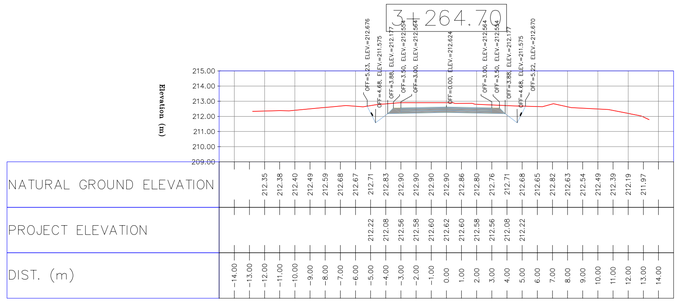
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	74	D05

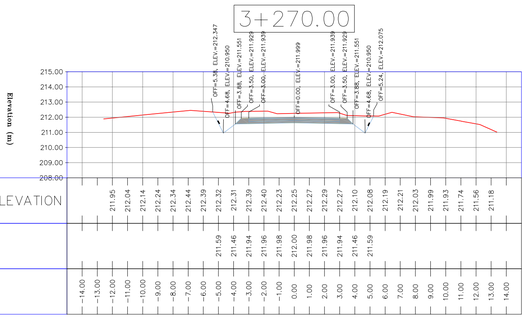


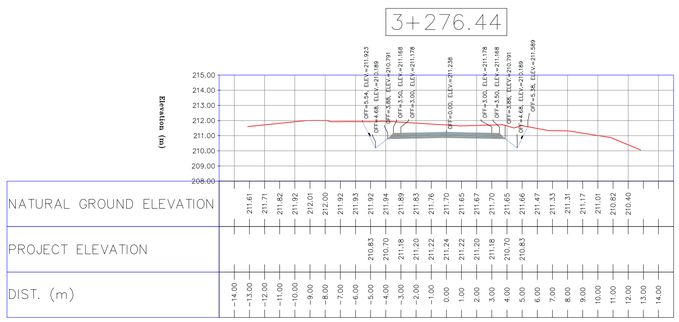


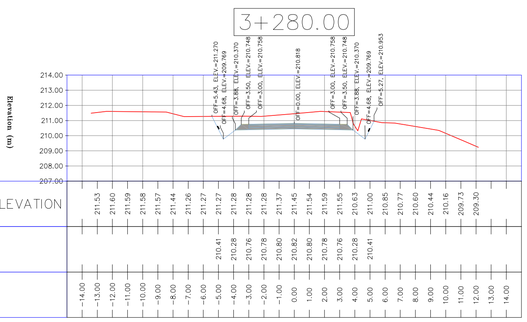












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WELL
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GRAVEL ROAD
PROPOSED ROAD
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WATER COURSE
CONTOURS
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REFERENCE DRAWING	DRG. No.
General Civil Layout –BK14	BK–BK14–PEDCO–110–CV–PY–0001
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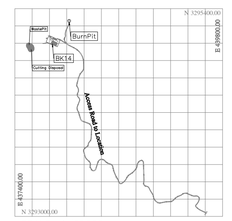

SCALE: 1/35000

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D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**

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PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

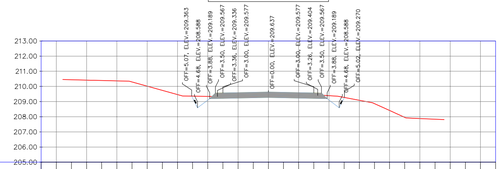
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	75 OF 98	D05

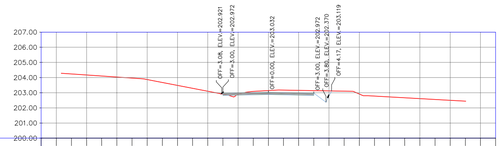
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	75	D05

3+290.00


Elevation (m)
213.00
212.00
211.00
210.00
209.00
208.00
207.00
206.00
205.00
OFF=5.07, ELEV=209.363
OFF=4.68, ELEV=208.588
OFF=3.58, ELEV=208.189
OFF=3.36, ELEV=208.397
OFF=3.36, ELEV=209.328
OFF=3.00, ELEV=209.577
OFF=0.00, ELEV=209.637
OFF=-3.00, ELEV=209.577
OFF=-3.36, ELEV=209.404
OFF=-3.55, ELEV=209.587
OFF=-3.58, ELEV=209.189
OFF=-4.68, ELEV=208.588
OFF=-5.02, ELEV=209.270

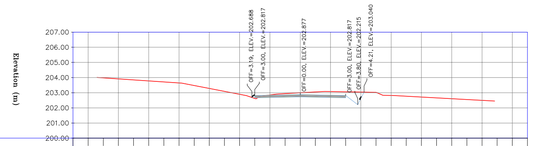
| | | |

3+356.48



NATURAL GROUND ELEVATION	204.24	204.17	204.10	204.04	203.97	203.87	203.68	203.49	203.29	203.10	202.91	202.89	203.09	203.14	203.17	203.16	202.99	203.14	203.12	203.10	202.91	202.78	202.72	202.67	202.61	202.56	202.50	202.45	
PROJECT ELEVATION											202.97	202.99	203.01	203.03	203.01	202.99	202.97	202.77											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+360.00



NATURAL GROUND ELEVATION	203.98	203.91	203.84	203.78	203.71	203.64	203.47	203.28	203.09	202.90	202.62	202.85	202.86	202.94	203.00	203.05	203.06	203.08	203.06	203.04	203.03	202.82	202.77	202.72	202.66	202.61	202.55	202.50	
PROJECT ELEVATION											202.82	202.84	202.86	202.88	202.86	202.84	202.82	202.61											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

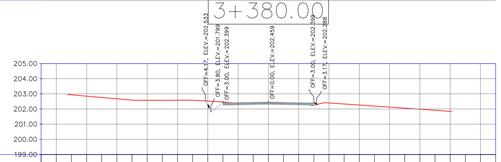
3+368.01

NATURAL GROUND ELEVATION	203.39	203.32	203.26	203.19	203.12	203.06	202.99	202.82	202.53	202.42	202.49	202.55	202.61	202.67	202.72	202.78	202.84	202.88	202.82	202.77	202.71	202.66	202.60	202.55	202.49				
PROJECT ELEVATION											202.56	202.58	202.60	202.62	202.60	202.58	202.56	202.35											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+370.00

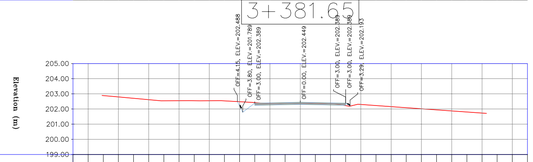
NATURAL GROUND ELEVATION	203.30	203.23	203.16	203.09	203.02	202.95	202.87	202.73	202.61	202.59	202.53	202.48	202.47	202.51	202.62	202.72	202.82	202.92	202.88	202.83	202.77	202.72	202.66	202.61	202.55	202.50			
PROJECT ELEVATION										202.31	202.51	202.53	202.55	202.57	202.55	202.53	202.51	202.31											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+380.00



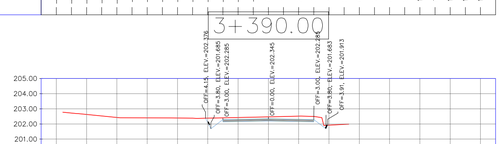
NATURAL GROUND ELEVATION	202.93	202.85	202.76	202.67	202.58	202.57	202.57	202.58	202.58	202.52	202.46	202.39	202.41	202.40	202.38	202.36	202.25	202.40	202.33	202.26	202.19	202.12	202.05	201.98	201.91	201.84			
PROJECT ELEVATION										202.20	202.40	202.42	202.44	202.46	202.44	202.42	202.40												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+381.65



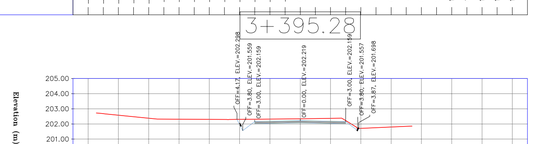
NATURAL GROUND ELEVATION	202.89	202.80	202.71	202.62	202.54	202.55	202.54	202.55	202.54	202.48	202.42	202.38	202.41	202.41	202.38	202.36	202.23	202.30	202.23	202.16	202.09	202.02	201.94	201.87	201.80	201.73			
PROJECT ELEVATION										202.19	202.39	202.41	202.43	202.45	202.43	202.41	202.39												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+390.00



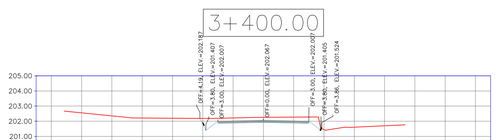
NATURAL GROUND ELEVATION	202.72	202.62	202.53	202.43	202.41	202.40	202.40	202.39	202.38	202.38	202.40	202.42	202.45	202.47	202.49	202.49	202.51	202.49	201.92	201.97									
PROJECT ELEVATION										202.08	202.28	202.30	202.32	202.34	202.32	202.30	202.28												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+395.28



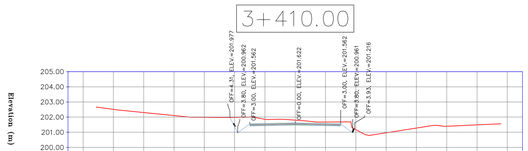
NATURAL GROUND ELEVATION	202.68	202.58	202.48	202.38	202.31	202.31	202.30	202.29	202.30	202.30	202.31	202.32	202.33	202.34	202.35	202.37	202.22	201.70	201.75	201.80	201.84								
PROJECT ELEVATION										201.96	202.16	202.18	202.20	202.22	202.20	202.18	202.16												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+400.00



NATURAL GROUND ELEVATION	202.65	202.55	202.45	202.36	202.26	202.22	202.21	202.20	202.19	202.19	202.19	202.22	202.25	202.26	202.27	202.27	202.28	201.45	201.55	201.61	201.65	201.70	201.75						
PROJECT ELEVATION										201.81	202.01	202.03	202.05	202.07	202.05	202.03	202.01												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+410.00



NATURAL GROUND ELEVATION	202.65	202.51	202.40	202.30	202.20	202.10	202.00	201.99	201.98	201.98	202.01	201.86	201.85	201.80	201.72	201.67	201.68	201.18	200.81	200.97	201.12	201.28	201.44	201.39	201.44	201.49	201.53		
PROJECT ELEVATION										201.36	201.56	201.58	201.60	201.62	201.60	201.58	201.56												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

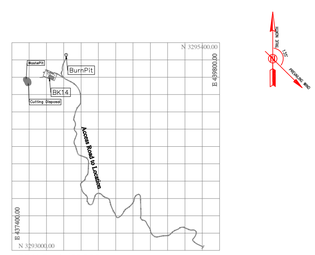
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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N.I.S.O.C./ FIELDS

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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

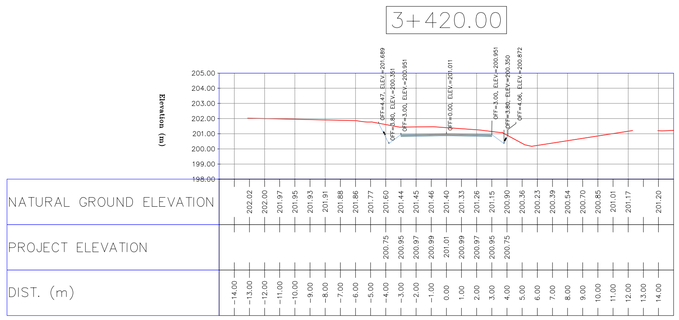
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	77 OF 98	D05

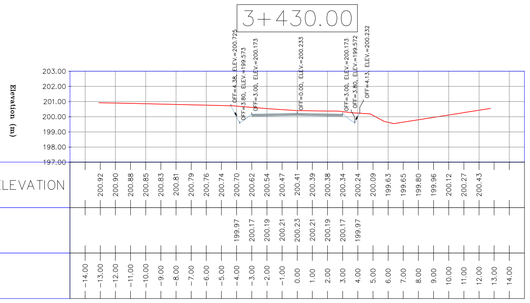
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	77	D05

3+420.00



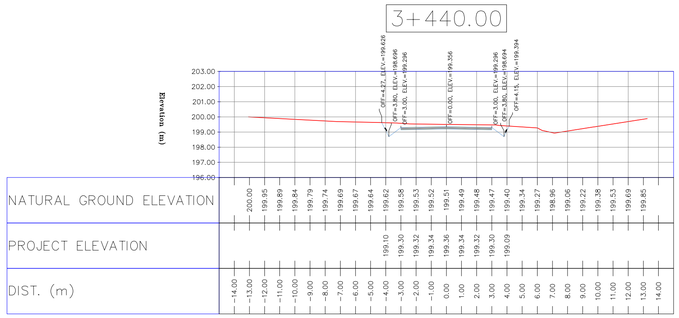
NATURAL GROUND ELEVATION	202.02	202.00	201.97	201.95	201.93	201.91	201.88	201.86	201.77	201.60	201.44	201.45	201.46	201.40	201.53	201.26	201.15	200.90	200.35	200.23	200.39	200.54	200.70	200.85	201.01	201.17	201.20
PROJECT ELEVATION										200.75	200.95	200.97	200.99	201.01	200.99	200.97	200.95	200.75									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+430.00



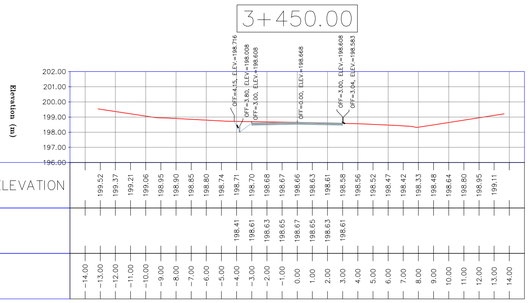
NATURAL GROUND ELEVATION	200.92	200.90	200.88	200.85	200.83	200.81	200.79	200.76	200.74	200.70	200.62	200.54	200.47	200.41	200.39	200.38	200.34	200.24	200.09	199.63	199.80	199.96	200.12	200.27	200.43
PROJECT ELEVATION										199.97	200.17	200.19	200.21	200.23	200.21	200.19	200.17	199.97							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+440.00



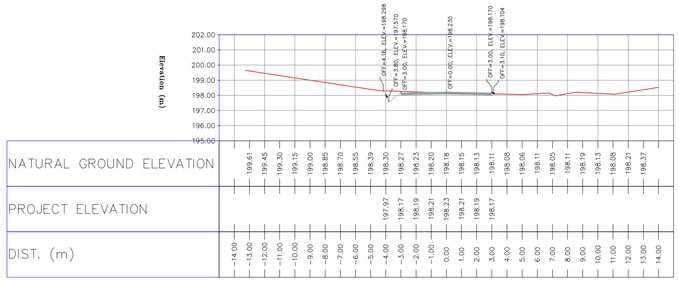
NATURAL GROUND ELEVATION	200.00	199.95	199.89	199.84	199.79	199.74	199.69	199.67	199.64	199.62	199.58	199.53	199.52	199.51	199.49	199.48	199.47	199.40	199.34	199.27	198.96	199.06	199.22	199.38	199.53	199.69	199.85
PROJECT ELEVATION										199.10	199.30	199.32	199.34	199.36	199.34	199.32	199.30	199.09									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+450.00



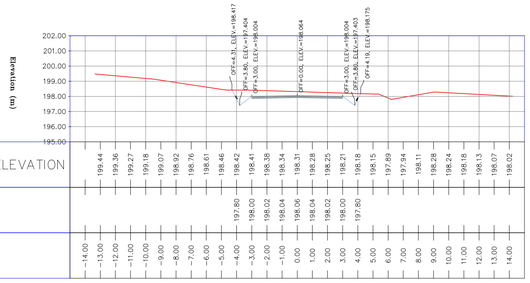
NATURAL GROUND ELEVATION	199.52	199.37	199.21	199.06	198.95	198.90	198.85	198.80	198.74	198.71	198.68	198.68	198.67	198.66	198.63	198.61	198.58	198.56	198.52	198.47	198.42	198.33	198.48	198.64	198.80	198.95	199.11
PROJECT ELEVATION										198.41	198.61	198.63	198.65	198.67	198.65	198.63	198.61										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+460.00



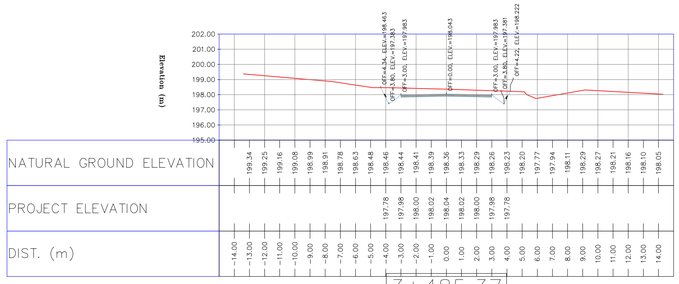
NATURAL GROUND ELEVATION	199.61	199.45	199.30	199.15	199.00	198.85	198.70	198.55	198.39	198.30	198.27	198.23	198.20	198.18	198.15	198.13	198.11	198.08	198.06	198.11	198.05	198.11	198.19	198.13	198.08	198.21	198.37
PROJECT ELEVATION										197.97	198.17	198.19	198.21	198.23	198.21	198.19	198.17										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+467.67



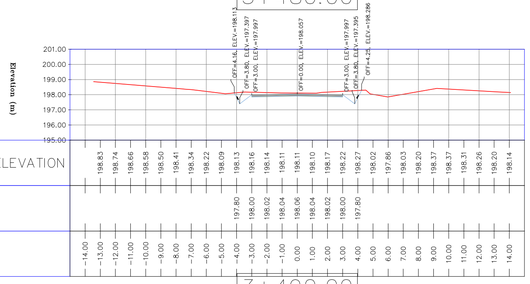
NATURAL GROUND ELEVATION	199.44	199.36	199.27	199.18	199.09	198.99	198.92	198.76	198.61	198.46	198.42	198.41	198.38	198.34	198.31	198.28	198.25	198.21	198.18	198.15	197.89	197.84	198.11	198.28	198.24	198.18	198.13	198.07	198.02
PROJECT ELEVATION											197.80	198.00	198.02	198.04	198.06	198.04	198.02	198.00	197.80										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+470.00



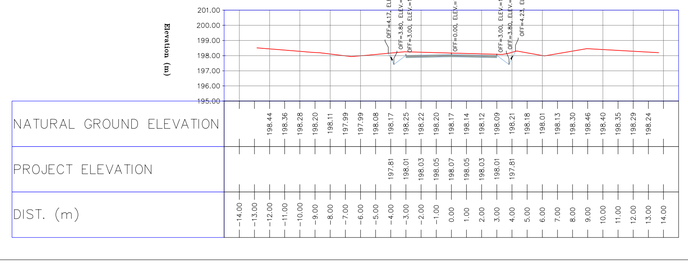
NATURAL GROUND ELEVATION	199.34	199.25	199.16	199.08	198.99	198.91	198.78	198.63	198.48	198.46	198.44	198.41	198.39	198.36	198.33	198.29	198.26	198.23	198.20	197.77	197.94	198.11	198.29	198.27	198.21	198.16	198.10	198.05
PROJECT ELEVATION										197.78	197.98	198.00	198.02	198.04	198.02	198.00	197.98	197.78										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+480.00



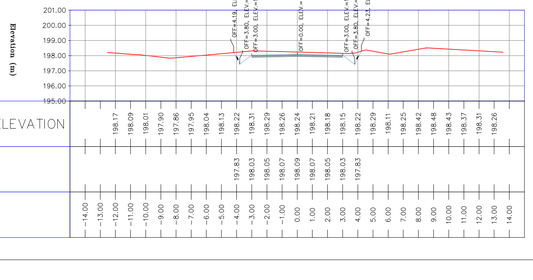
NATURAL GROUND ELEVATION	198.83	198.74	198.66	198.58	198.50	198.41	198.34	198.22	198.09	198.13	198.16	198.14	198.11	198.11	198.10	198.17	198.22	198.27	198.02	197.86	198.03	198.20	198.37	198.37	198.31	198.26	198.20	198.14
PROJECT ELEVATION										197.80	198.00	198.02	198.04	198.06	198.04	198.02	198.00	197.80										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+485.37



NATURAL GROUND ELEVATION	198.44	198.36	198.28	198.20	198.11	197.99	197.99	198.08	198.17	198.25	198.22	198.20	198.17	198.14	198.12	198.09	198.01	198.05	198.13	198.30	198.46	198.40	198.35	198.29	198.24
PROJECT ELEVATION										197.81	198.01	198.03	198.05	198.07	198.05	198.03	198.01	197.81							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+490.00



NATURAL GROUND ELEVATION	198.17	198.09	198.01	197.90	197.86	197.95	198.04	198.13	198.22	198.31	198.29	198.26	198.24	198.21	198.18	198.15	198.22	198.29	198.11	198.25	198.42	198.48	198.43	198.37	198.31	198.26
PROJECT ELEVATION										197.83	198.03	198.05	198.07	198.09	198.07	198.05	198.03	197.83								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

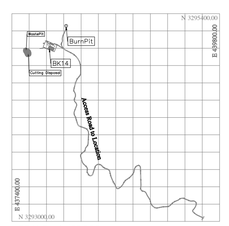
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

اصل و کلیه نسخ این نقشه و حق اقتباس 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

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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

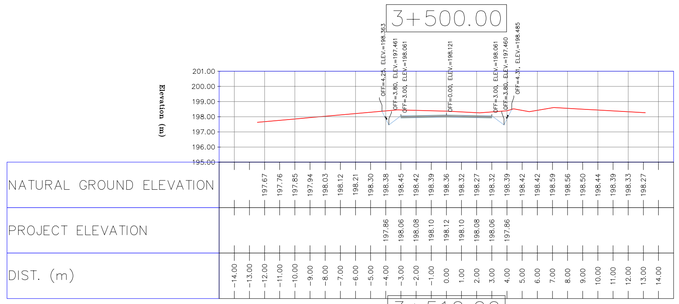
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

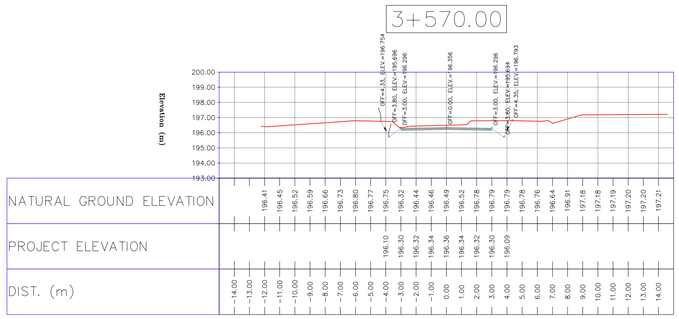
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	78 OF 98	D05	053-073-9184	F	4	S	708209	78	D05

3+500.00


Elevation (m)
201.00
200.00
199.00
198.00
197.00
196.00
195.00
OFF=4.25, ELEV=198.382
OFF=2.80, ELEV=197.441
OFF=3.00, ELEV=198.061
OFF=0.00, ELEV=198.121
OFF=3.00, ELEV=198.061
OFF=2.80, ELEV=197.460
OFF=4.35, ELEV=198.485

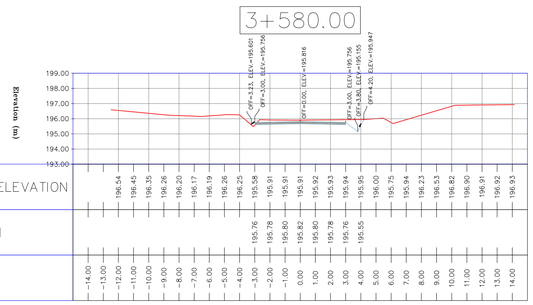
| | | |

3+570.00



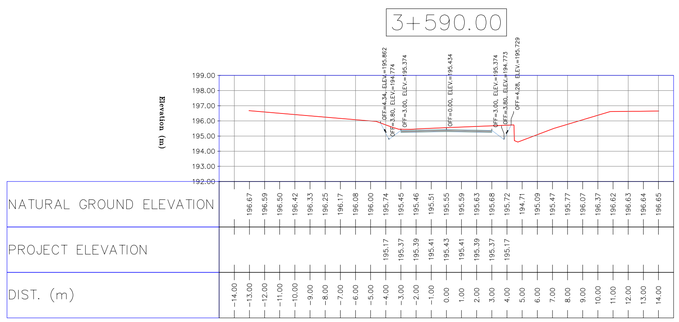
NATURAL GROUND ELEVATION	196.41	196.45	196.52	196.59	196.66	196.73	196.80	196.77	196.75	196.52	196.44	196.46	196.49	196.52	196.78	196.32	196.79	196.78	196.76	196.64	196.91	197.18	197.19	197.20	197.20	197.21		
PROJECT ELEVATION									196.10	196.30	196.32	196.34	196.36	196.34	196.32	196.30	196.09											
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+580.00



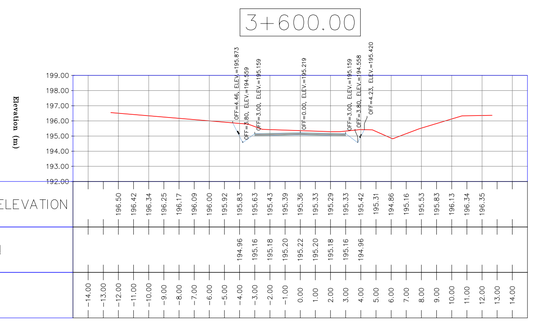
NATURAL GROUND ELEVATION	196.54	196.45	196.35	196.26	196.20	196.17	196.19	196.26	196.25	195.58	195.91	195.91	195.91	195.92	195.93	195.94	195.95	196.00	195.75	195.94	196.23	196.53	196.82	196.90	196.91	196.92	196.83	
PROJECT ELEVATION									195.76	195.78	195.80	195.82	195.80	195.82	195.78	195.76	195.55											
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+590.00



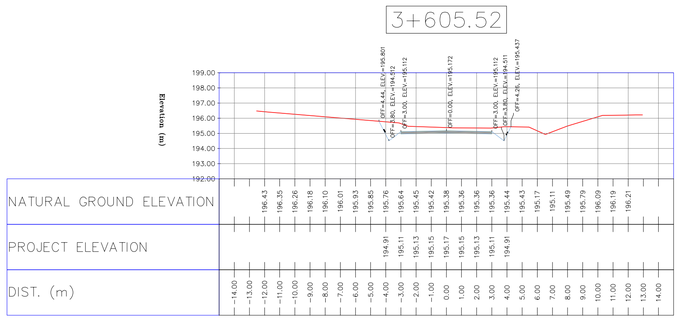
NATURAL GROUND ELEVATION	196.67	196.59	196.50	196.42	196.33	196.25	196.17	196.08	196.00	196.00	196.04	195.74	195.45	195.46	195.51	195.55	195.59	195.63	195.68	195.72	194.71	195.09	195.47	195.77	196.07	196.37	196.62	196.63	196.64	196.65
PROJECT ELEVATION										195.17	195.37	195.39	195.41	195.41	195.41	195.39	195.37	195.17											
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+600.00



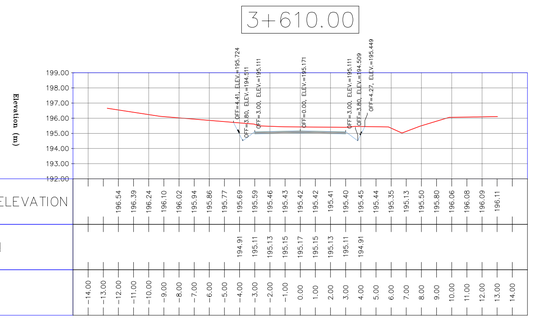
NATURAL GROUND ELEVATION	196.50	196.42	196.34	196.25	196.17	196.09	196.00	195.92	195.83	195.63	195.43	195.39	195.36	195.33	195.29	195.33	195.42	195.31	194.86	195.16	195.53	195.83	196.13	196.34	196.35			
PROJECT ELEVATION									194.96	195.16	195.18	195.20	195.22	195.20	195.18	195.16	194.96											
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+605.52



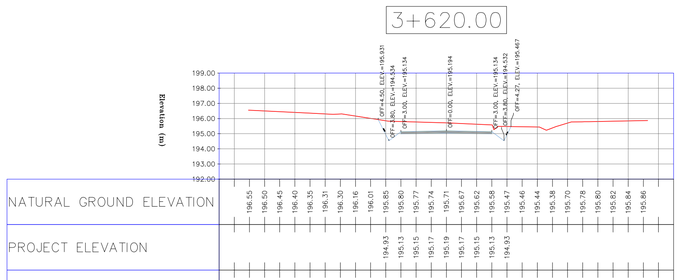
NATURAL GROUND ELEVATION	196.43	196.35	196.26	196.18	196.10	196.01	195.93	195.85	195.76	195.64	195.45	195.42	195.38	195.36	195.36	195.36	195.44	195.43	195.17	195.11	198.49	196.09	196.19	196.21				
PROJECT ELEVATION										194.91	195.11	195.13	195.15	195.17	195.15	195.13	195.11	194.91										
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+610.00



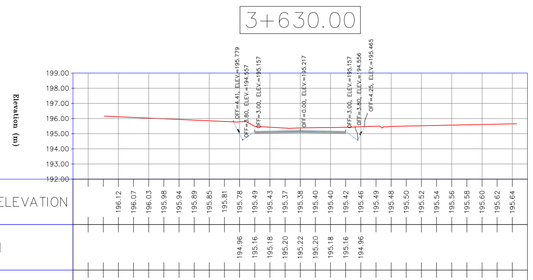
NATURAL GROUND ELEVATION	196.54	196.39	196.24	196.10	196.02	195.94	195.86	195.77	195.69	195.59	195.46	195.43	195.42	195.41	195.40	195.45	195.44	195.35	195.13	195.50	195.80	196.06	196.08	196.09	196.11			
PROJECT ELEVATION										194.91	195.11	195.13	195.15	195.17	195.15	195.13	195.11	194.91										
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+620.00



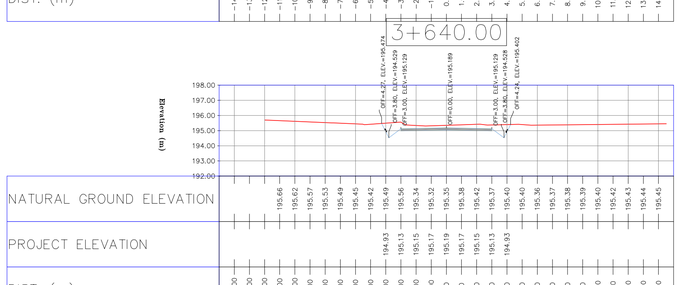
NATURAL GROUND ELEVATION	196.55	196.50	196.45	196.40	196.35	196.31	196.30	196.16	196.01	195.85	195.80	195.77	195.74	195.71	195.67	195.62	195.58	195.47	195.46	195.44	195.38	195.70	195.78	195.80	195.82	195.84	195.86	
PROJECT ELEVATION										194.93	195.13	195.15	195.17	195.19	195.17	195.15	195.13	194.93										
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+630.00



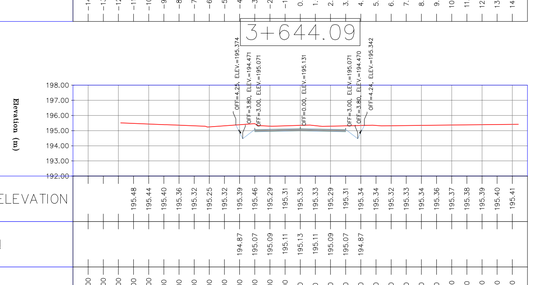
NATURAL GROUND ELEVATION	196.12	196.07	196.03	195.98	195.94	195.89	195.85	195.81	195.78	195.49	195.43	195.37	195.38	195.40	195.40	195.42	195.46	195.49	195.48	195.50	195.52	195.54	195.56	195.58	195.60	195.62	195.64	
PROJECT ELEVATION									194.96	195.16	195.18	195.20	195.22	195.20	195.18	195.16	194.96											
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+640.00



NATURAL GROUND ELEVATION	195.66	195.62	195.57	195.53	195.49	195.45	195.42	195.49	195.56	195.34	195.32	195.35	195.38	195.42	195.37	195.40	195.40	195.36	195.37	195.38	195.39	195.40	195.42	195.43	195.44	195.45		
PROJECT ELEVATION										194.93	195.13	195.15	195.17	195.19	195.17	195.15	195.13	194.93										
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+644.09



NATURAL GROUND ELEVATION	195.48	195.44	195.40	195.36	195.32	195.25	195.32	195.39	195.46	195.29	195.31	195.35	195.33	195.33	195.29	195.31	195.34	195.34	195.32	195.33	195.34	195.36	195.37	195.38	195.39	195.40	195.41	
PROJECT ELEVATION									194.87	195.07	195.09	195.11	195.13	195.11	195.09	195.07	194.87											
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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.

LEGEND

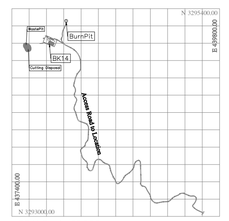
⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	80 OF 98	D05

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

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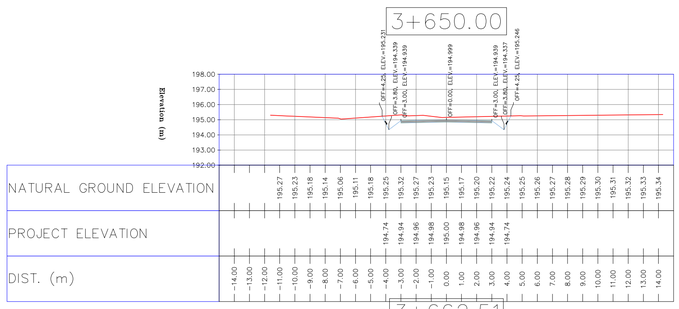
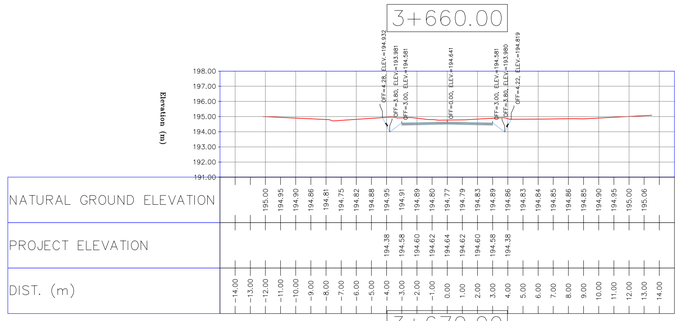
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

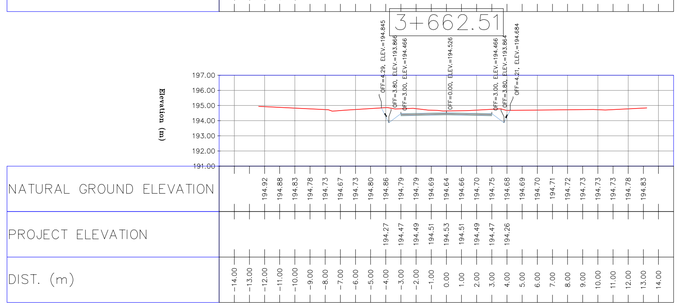
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

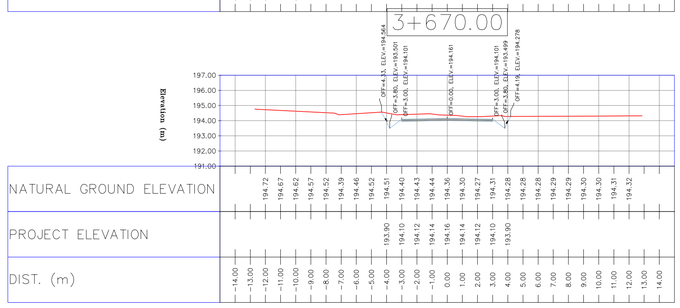
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

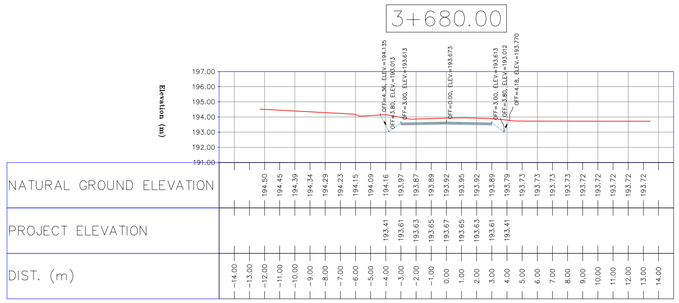
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	80	D05

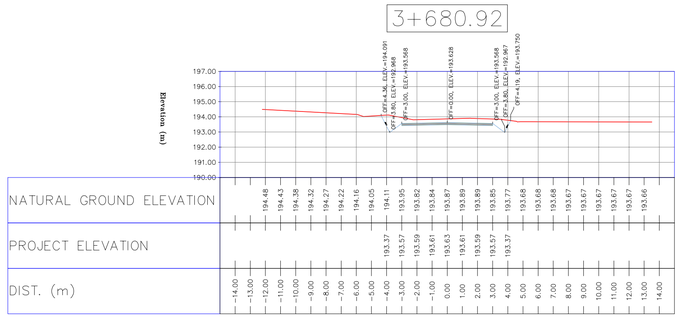


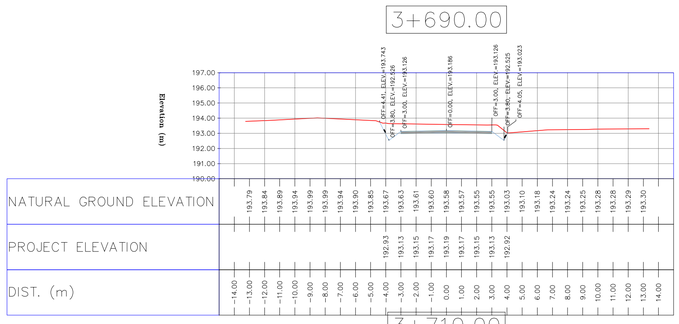


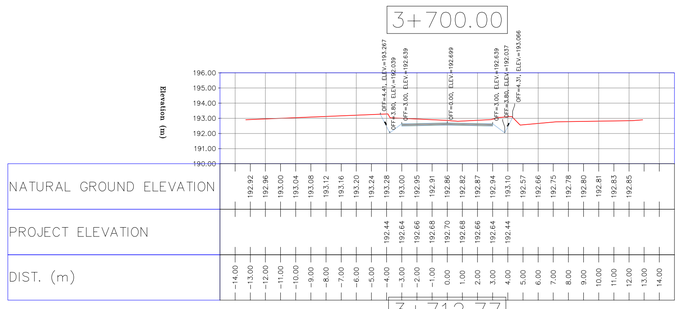


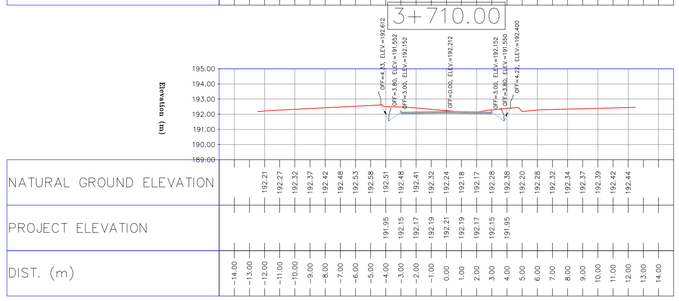


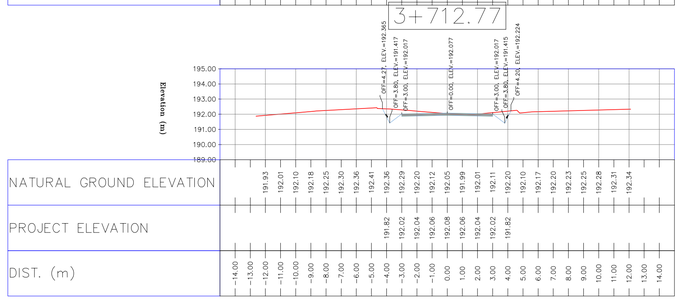












NOTES

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MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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- 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.

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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-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

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BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN

SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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	81 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

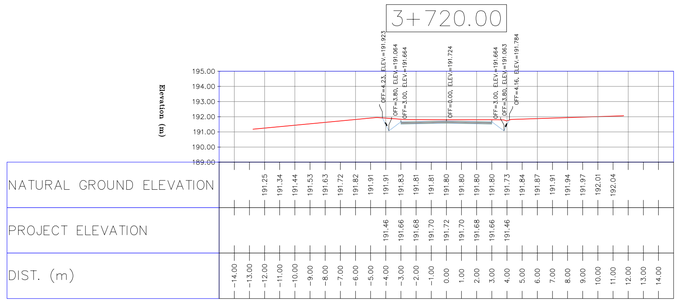
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

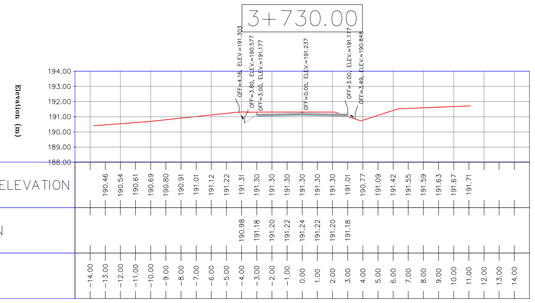
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	81	D05

3+720.00



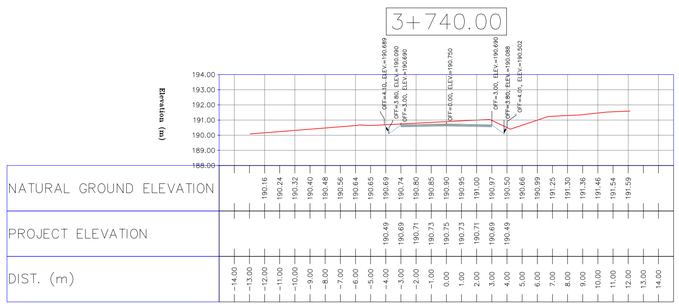
NATURAL GROUND ELEVATION	191.25	191.34	191.44	191.53	191.63	191.72	191.82	191.91	191.91	191.83	191.81	191.81	191.80	191.80	191.80	191.80	191.73	191.84	191.87	191.91	191.94	191.97	192.01	192.04				
PROJECT ELEVATION									191.46	191.66	191.68	191.68	191.72	191.70	191.70	191.68	191.66	191.46										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+730.00



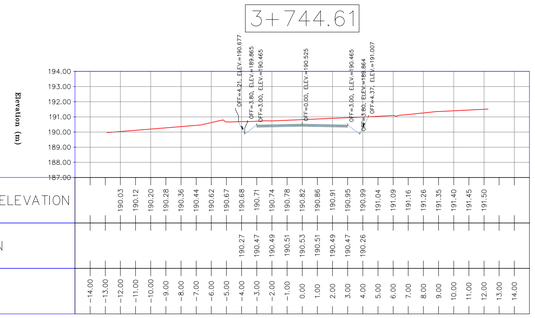
NATURAL GROUND ELEVATION	190.46	190.54	190.61	190.69	190.80	190.91	191.01	191.12	191.22	191.31	191.30	191.30	191.30	191.30	191.30	191.30	191.30	191.01	190.77	191.09	191.42	191.55	191.59	191.63	191.67	191.71		
PROJECT ELEVATION											190.98	191.18	191.20	191.22	191.24	191.22	191.20	191.18										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+740.00



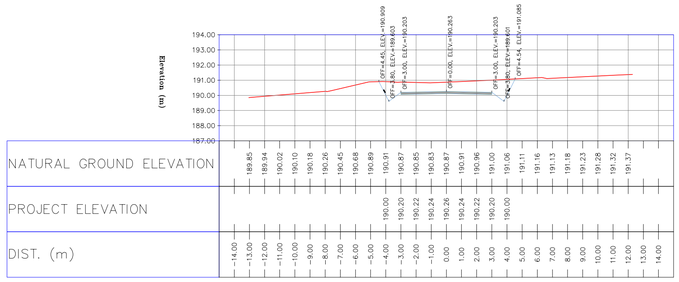
NATURAL GROUND ELEVATION	190.16	190.24	190.32	190.40	190.48	190.56	190.64	190.85	190.69	190.74	190.80	190.85	190.90	190.95	191.00	190.97	190.50	190.66	190.99	191.25	191.30	191.36	191.46	191.54	191.59			
PROJECT ELEVATION									190.49	190.69	190.71	190.71	190.73	190.75	190.73	190.71	190.69	190.49										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+744.61



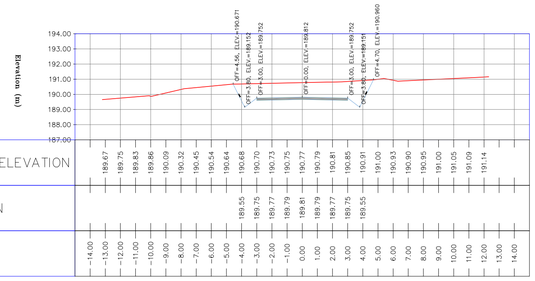
NATURAL GROUND ELEVATION	190.03	190.12	190.20	190.28	190.36	190.44	190.62	190.67	190.68	190.71	190.74	190.78	190.82	190.86	190.91	190.95	190.99	190.99	191.04	191.09	191.16	191.26	191.35	191.40	191.45	191.50		
PROJECT ELEVATION									190.27	190.47	190.49	190.51	190.53	190.51	190.49	190.47	190.26											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+750.00



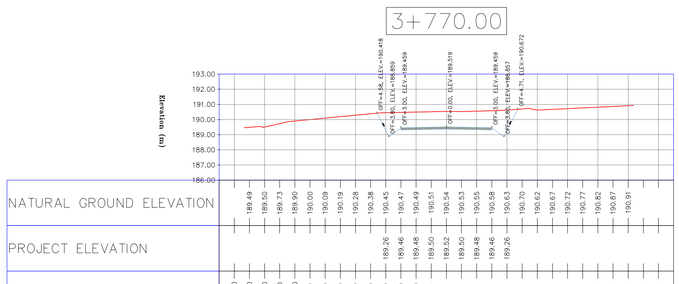
NATURAL GROUND ELEVATION	189.85	189.94	190.02	190.10	190.18	190.26	190.45	190.68	190.89	191.01	190.87	190.85	190.83	190.87	190.91	190.96	191.00	191.06	191.11	191.16	191.13	191.18	191.23	191.28	191.32	191.37		
PROJECT ELEVATION										190.00	190.20	190.22	190.24	190.26	190.24	190.22	190.20	190.00										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+760.00



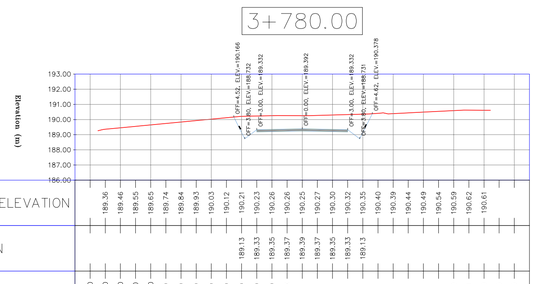
NATURAL GROUND ELEVATION	189.67	189.75	189.83	189.86	190.09	190.32	190.45	190.54	190.64	190.68	190.70	190.73	190.75	190.77	190.79	190.81	190.85	191.01	191.00	190.93	190.90	190.95	191.00	191.05	191.09	191.14		
PROJECT ELEVATION											189.55	189.75	189.77	189.79	189.81	189.79	189.77	189.75	189.55									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+770.00



NATURAL GROUND ELEVATION	189.49	189.50	189.73	189.90	190.00	190.09	190.28	190.38	190.45	190.47	190.49	190.51	190.54	190.53	190.55	190.58	190.63	190.70	190.62	190.67	190.72	190.77	190.82	190.87	190.91			
PROJECT ELEVATION									189.26	189.46	189.48	189.50	189.52	189.50	189.48	189.46	189.26											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+780.00



NATURAL GROUND ELEVATION	189.36	189.46	189.55	189.65	189.74	189.84	189.93	190.03	190.12	190.21	190.23	190.26	190.26	190.25	190.27	190.30	190.32	190.35	190.40	190.39	190.44	190.49	190.54	190.59	190.62	190.61		
PROJECT ELEVATION										189.13	189.33	189.35	189.37	189.39	189.37	189.35	189.33	189.13										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

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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.

LEGEND

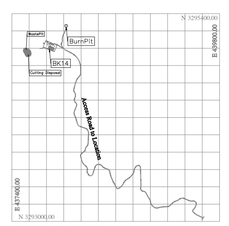
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

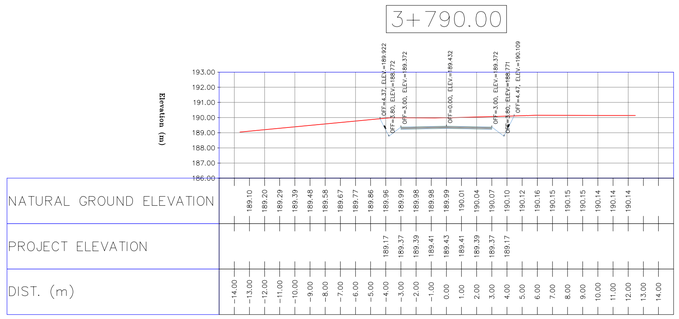
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	82 OF 98	D05

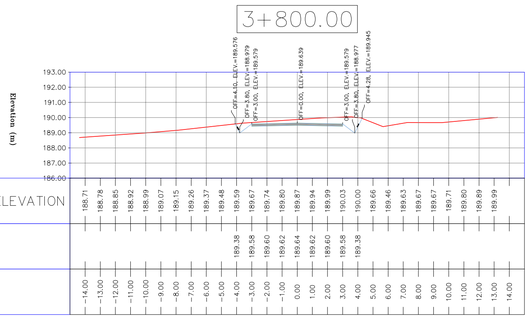
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	82	D05

3+790.00



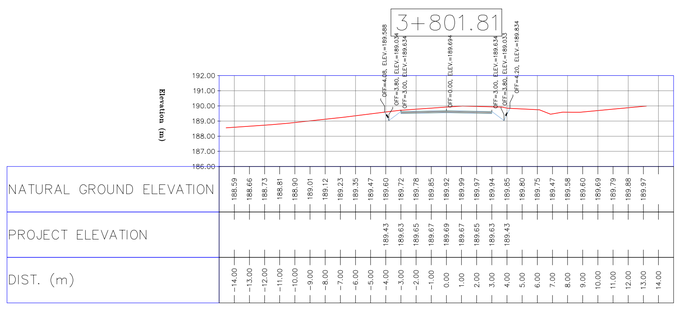
NATURAL GROUND ELEVATION	189.10	189.20	189.29	189.39	189.48	189.58	189.67	189.77	189.86	189.96	189.99	189.98	189.98	189.99	190.01	190.04	190.07	190.10	190.12	190.16	190.15	190.15	190.15	190.14	190.14	190.14		
PROJECT ELEVATION										189.17	189.37	189.39	189.41	189.43	189.41	189.39	189.37	189.17										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+800.00



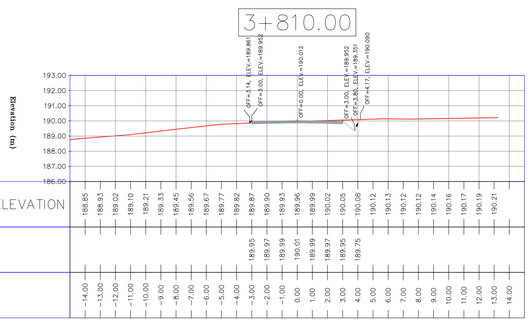
NATURAL GROUND ELEVATION	188.71	188.78	188.85	188.92	188.99	189.07	189.15	189.26	189.37	189.48	189.59	189.67	189.74	189.80	189.87	189.94	189.99	190.03	190.00	189.66	189.46	189.63	189.67	189.67	189.71	189.80	189.89	189.99
PROJECT ELEVATION											189.38	189.58	189.60	189.62	189.64	189.62	189.60	189.58	189.38									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+801.81



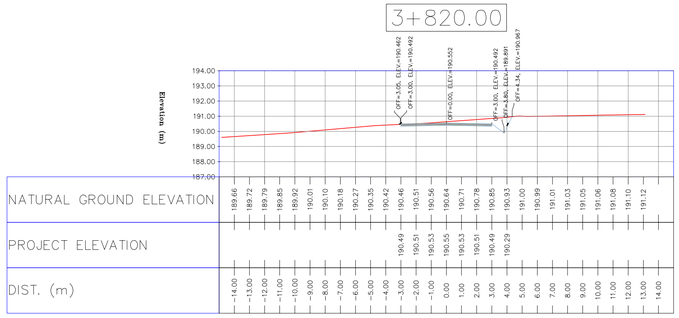
NATURAL GROUND ELEVATION	188.59	188.66	188.73	188.81	188.90	189.01	189.12	189.23	189.35	189.47	189.60	189.72	189.78	189.85	189.92	189.99	189.97	189.94	189.85	189.80	189.75	189.47	189.58	189.60	189.69	189.79	189.88	189.97
PROJECT ELEVATION											189.43	189.63	189.65	189.67	189.69	189.67	189.65	189.63	189.43									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+810.00



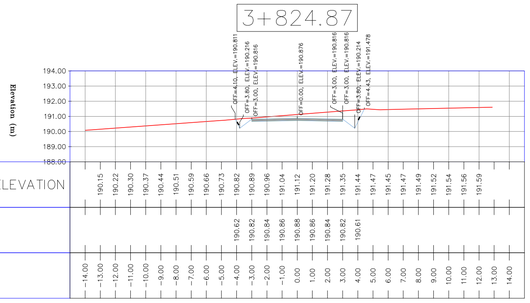
NATURAL GROUND ELEVATION	188.85	188.93	189.02	189.10	189.21	189.33	189.45	189.56	189.67	189.77	189.82	189.87	189.90	189.93	189.96	189.99	190.02	190.05	190.08	190.12	190.13	190.12	190.12	190.14	190.16	190.17	190.19	190.21
PROJECT ELEVATION											189.95	189.97	189.99	190.01	189.99	189.99	189.97	189.95	189.75									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+820.00



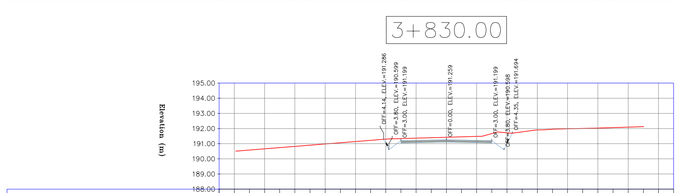
NATURAL GROUND ELEVATION	189.66	189.72	189.79	189.85	189.92	190.01	190.10	190.18	190.27	190.35	190.42	190.46	190.51	190.56	190.64	190.71	190.78	190.85	190.93	190.99	191.01	191.03	191.05	191.06	191.08	191.10	191.12	
PROJECT ELEVATION												190.49	190.51	190.53	190.55	190.53	190.51	190.49	190.29									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+824.87



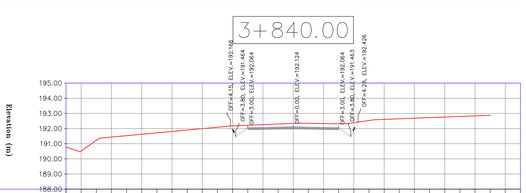
NATURAL GROUND ELEVATION	190.15	190.22	190.30	190.37	190.44	190.51	190.59	190.66	190.73	190.82	190.89	190.96	191.04	191.12	191.20	191.28	191.35	191.44	191.47	191.45	191.47	191.49	191.52	191.54	191.56	191.59		
PROJECT ELEVATION										190.62	190.82	190.84	190.86	190.88	190.86	190.84	190.82	190.61										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+830.00



NATURAL GROUND ELEVATION	190.58	190.66	190.74	190.82	190.90	190.98	191.06	191.14	191.22	191.30	191.33	191.36	191.39	191.42	191.45	191.48	191.67	191.72	191.78	191.91	191.95	191.98	192.01	192.06	192.09	192.12		
PROJECT ELEVATION										191.00	191.20	191.22	191.24	191.26	191.24	191.22	191.20	191.00										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+840.00



NATURAL GROUND ELEVATION	190.51	191.22	191.44	191.53	191.62	191.72	191.81	191.90	191.99	192.09	192.17	192.22	192.26	192.30	192.34	192.34	192.33	192.32	192.39	192.53	192.60	192.64	192.68	192.72	192.75	192.79	192.83	192.87
PROJECT ELEVATION										191.86	192.06	192.08	192.10	192.12	192.10	192.08	192.06	191.86										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	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-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
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MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

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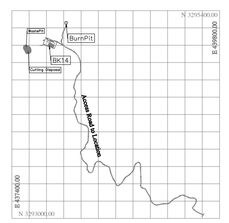
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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

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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 (PEDCO)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

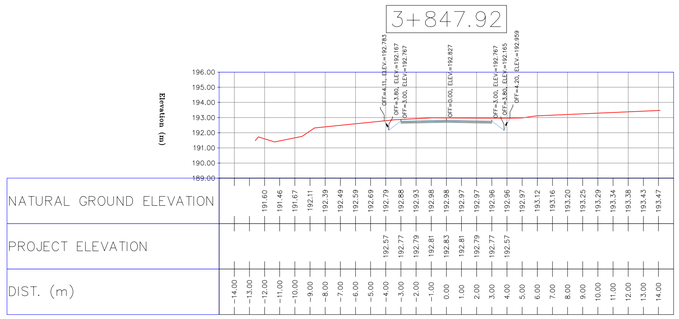
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

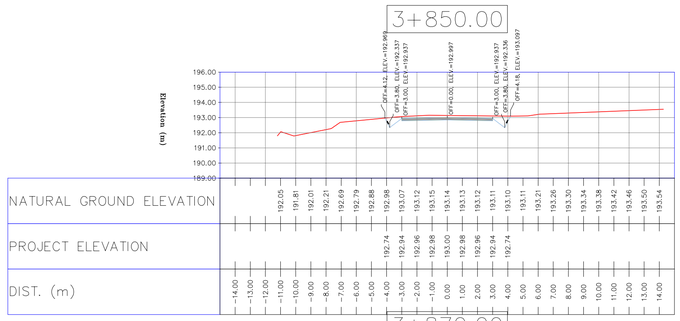
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

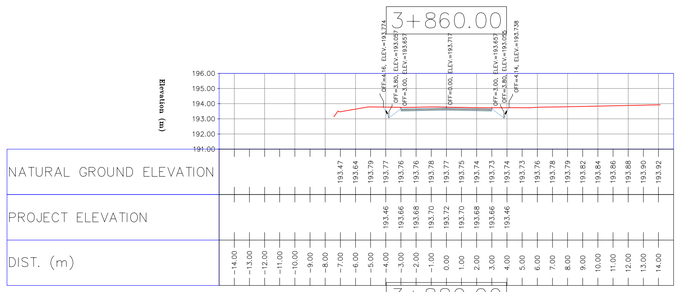
APPROVED FOR CONSTRUCTION | BY: | DATE:

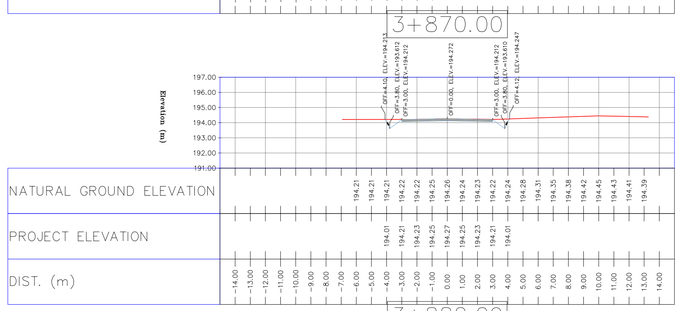
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	83 OF 98	D05

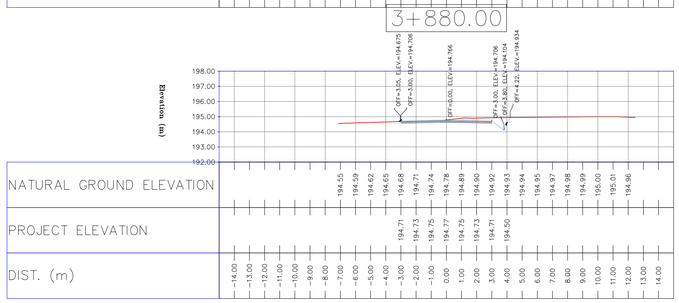
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	83	D05

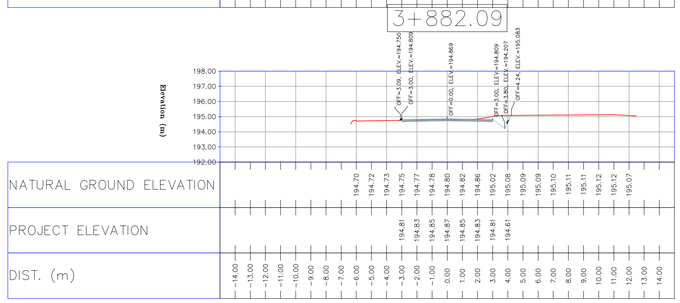


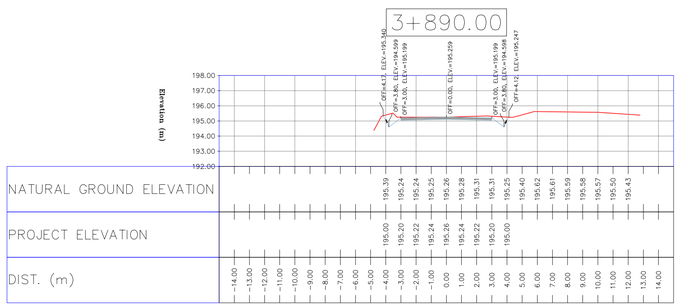


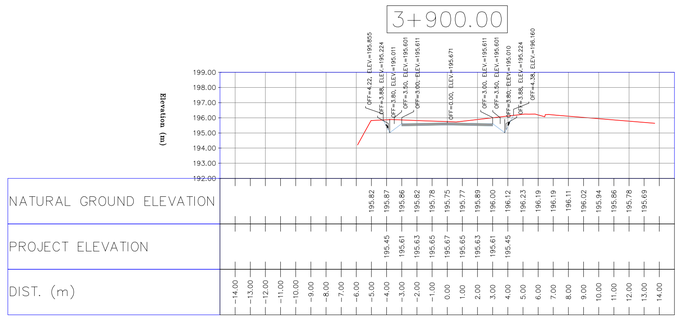


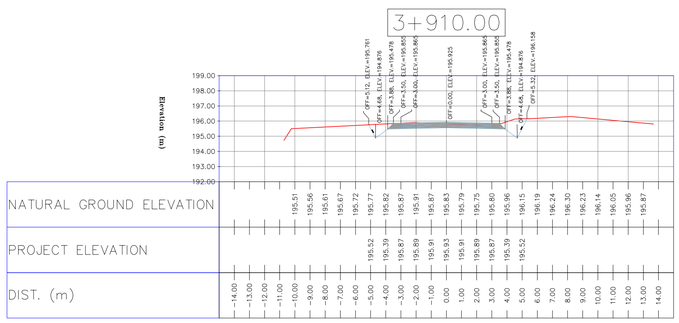


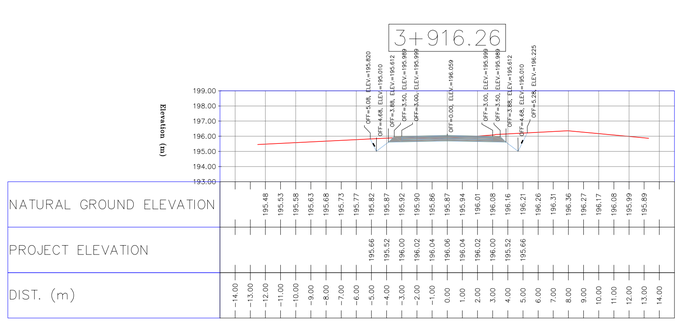












NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.

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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

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- "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".
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LEGEND

WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	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-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
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LVC= LENGTH OF VERTICAL CURVE
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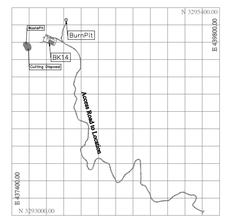
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 — PEDCO

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	84 OF 98	D05

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

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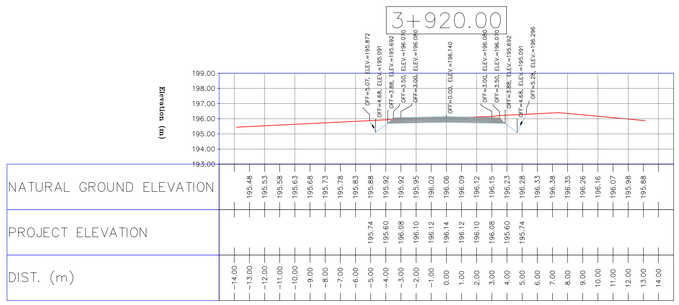
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

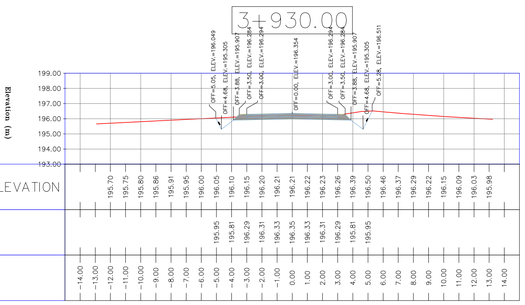
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

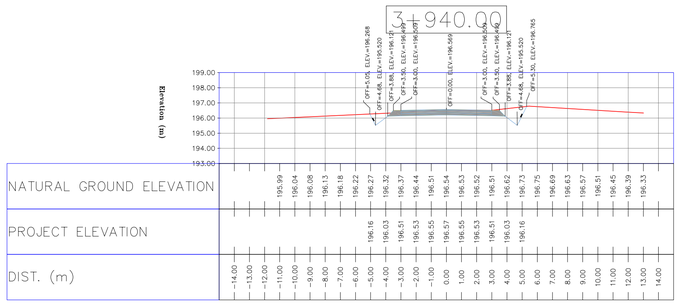
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

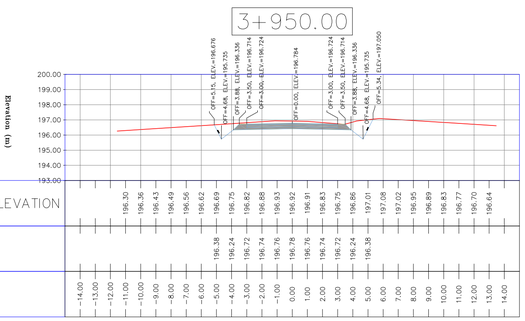
APPROVED FOR CONSTRUCTION	BY:	DATE:

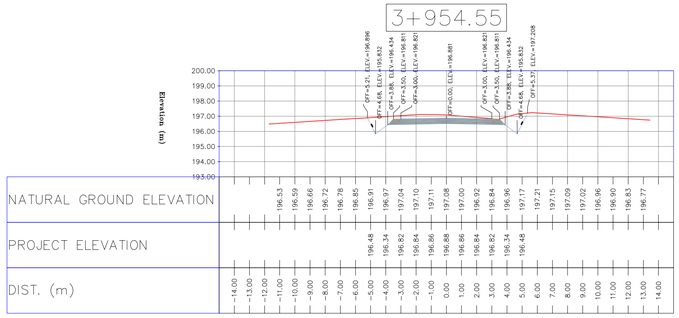
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	84	D05

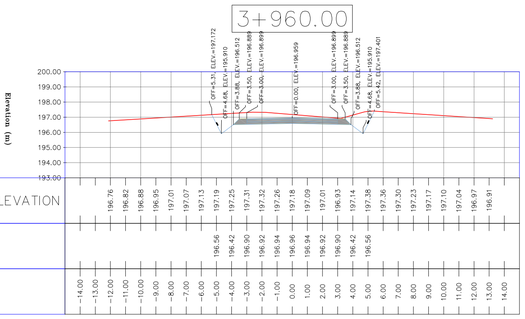


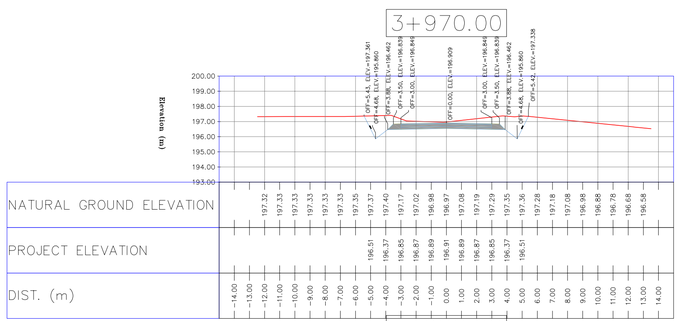


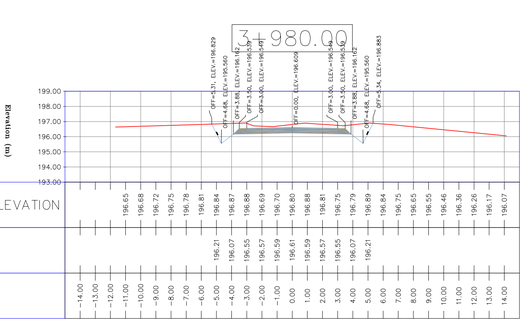


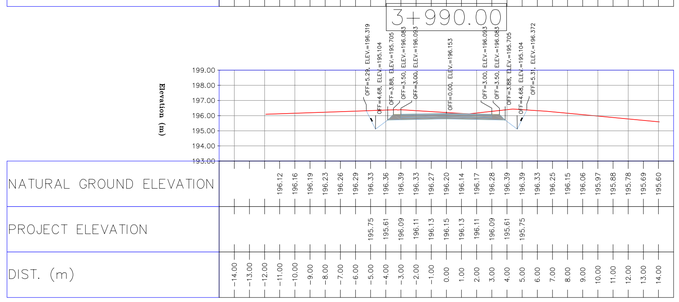












NOTES

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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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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–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

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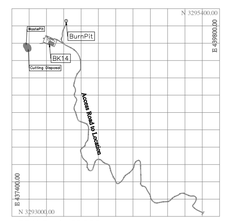
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**

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

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 (PEDCO)

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	85 OF 98	D05

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BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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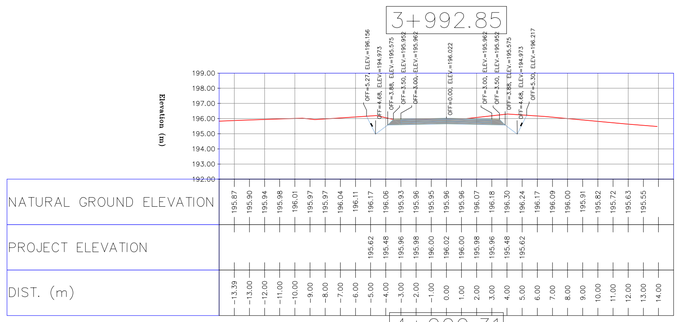
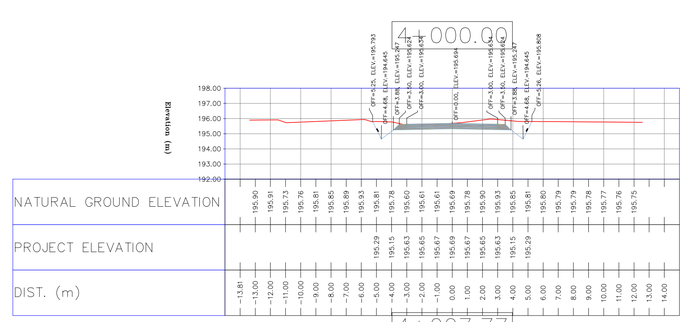
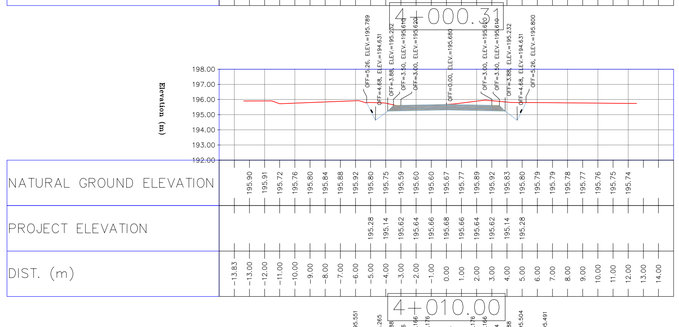
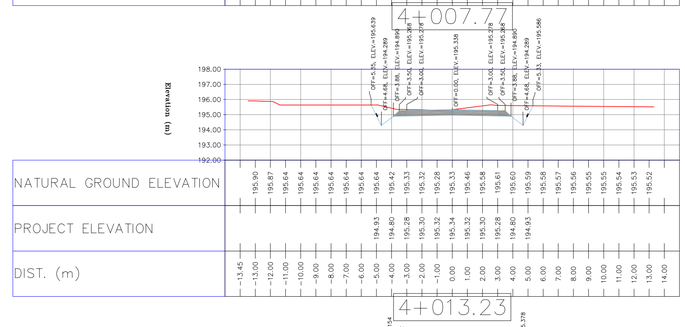
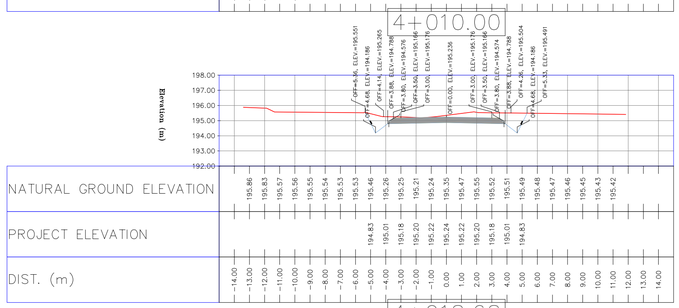
APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	85	D05

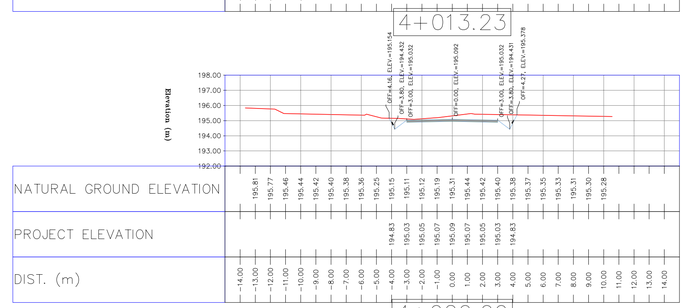


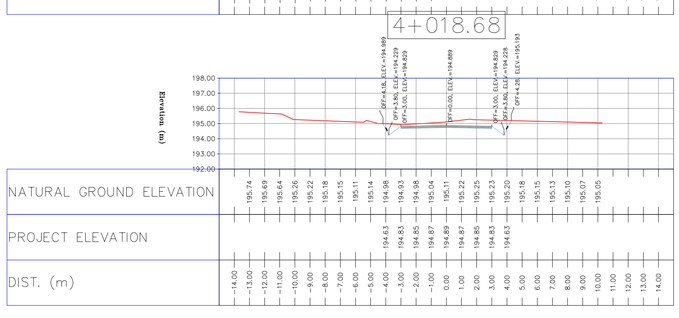


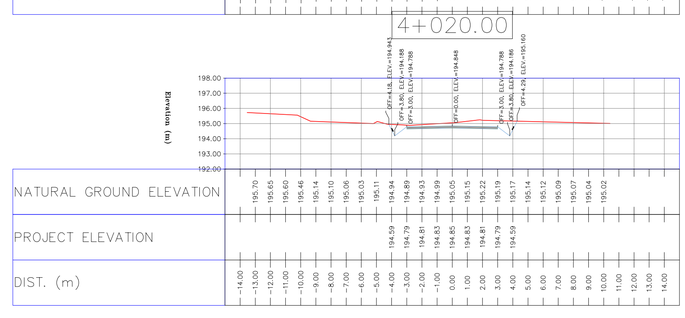


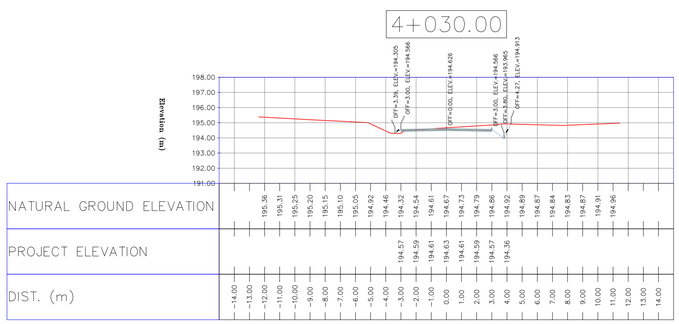


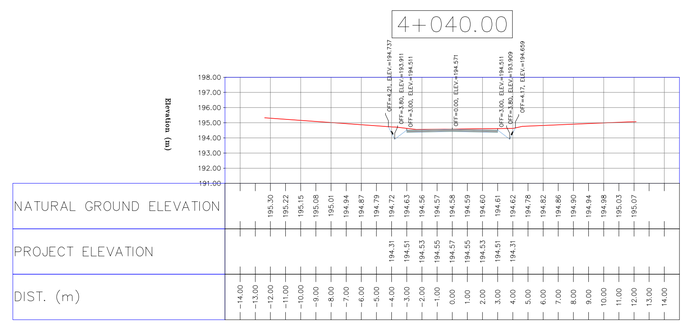












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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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LEGEND

WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
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REFERENCE DRAWING	DRG. No.
General Civil Layout –BK14	BK–BK14–PEDCO–110–CV–PY–0001
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Specification For Road & Paving	BK–GNRAL–PEDCO–000–CV–SP–0002
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ABBREVIATION

PT= POINT
PVI= POINT OF VRTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
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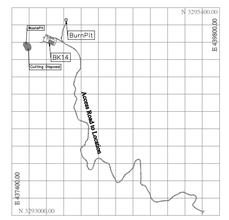
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**

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

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 — PEDCO

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	86 OF 98	D05

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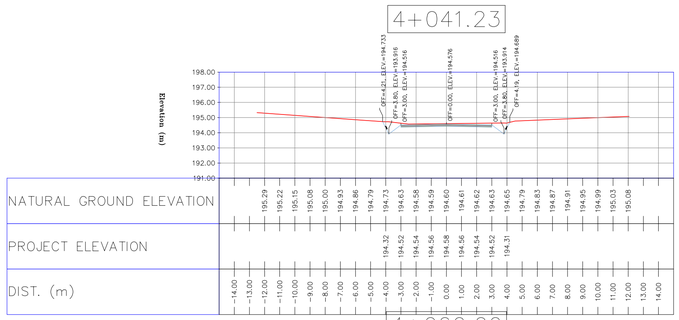
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

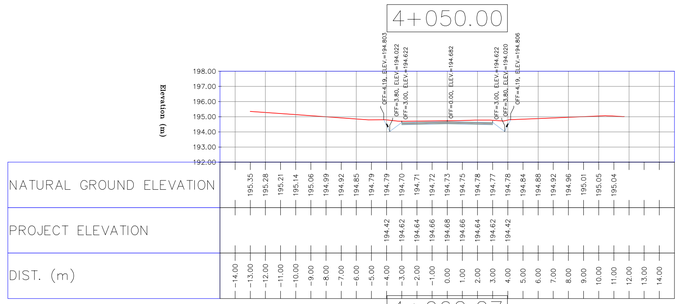
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

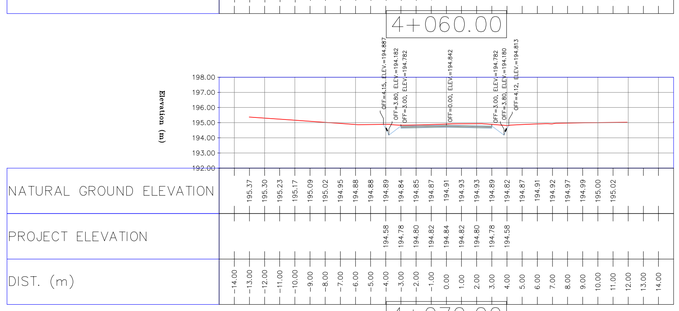
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

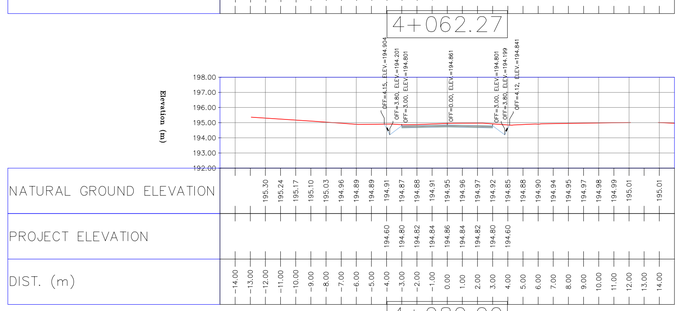
APPROVED FOR CONSTRUCTION | BY: | DATE:

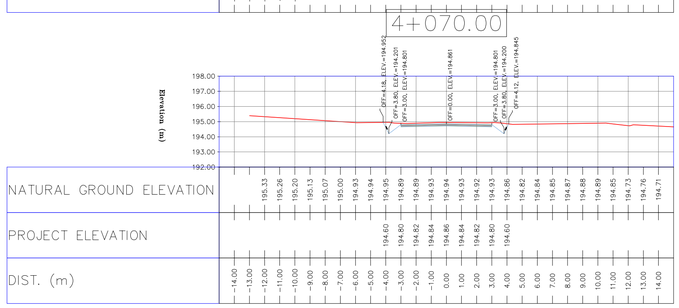
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	86	D05

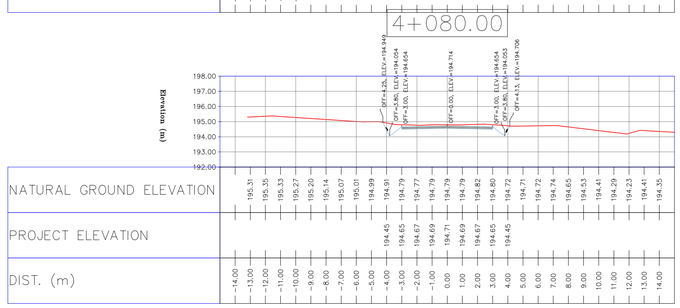


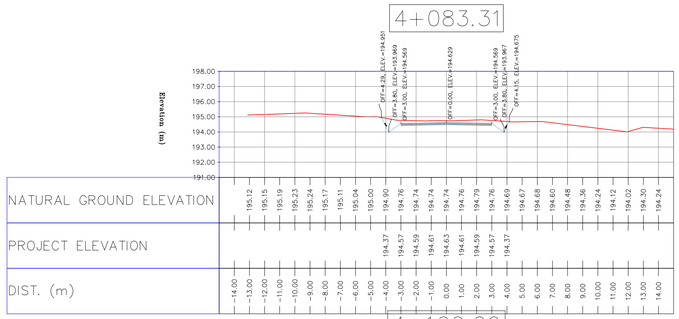


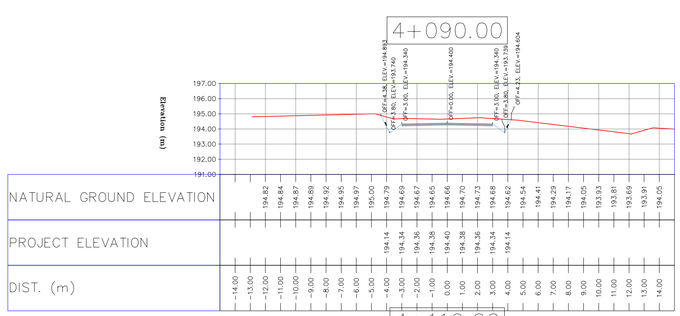


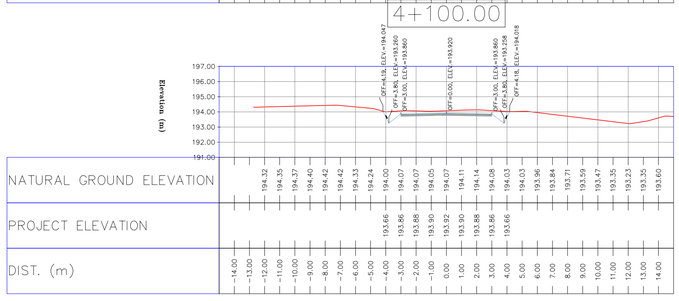


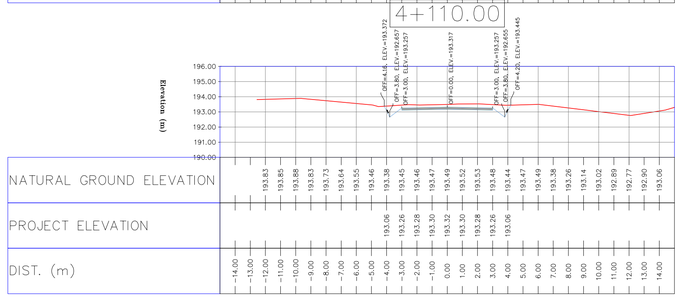












NOTES

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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:
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LEGEND

⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	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
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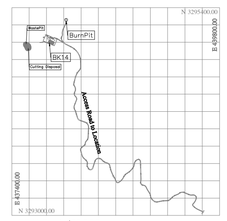

D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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 (PEDCO)

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	87 OF 98	D05

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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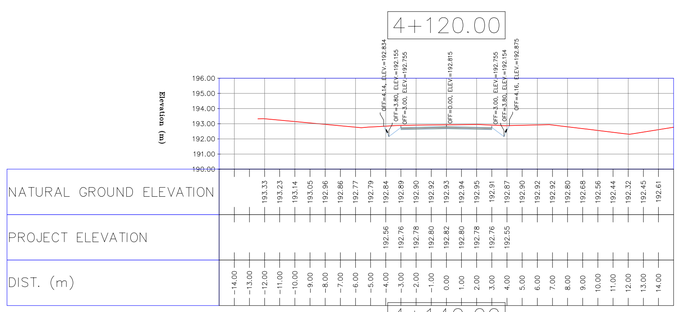
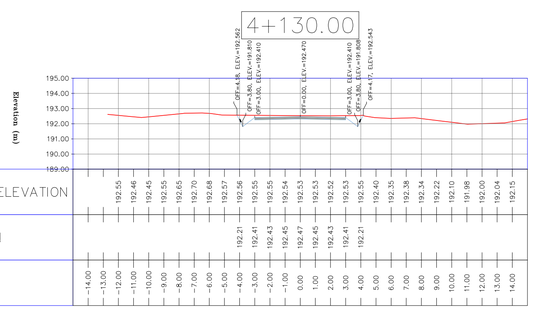
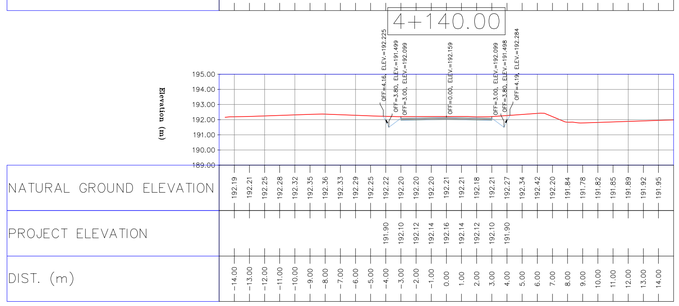
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	87	D05







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⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
▭	SITE	◁	WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	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
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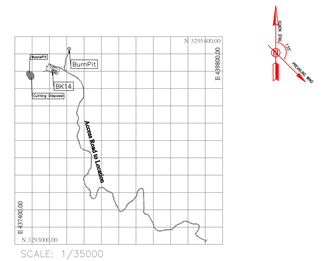
KEY PLAN



SCALE: 1/35000

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D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**

REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
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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 (PEDCO)

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	88 OF 98	D05

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BINAK OILFIELD DEVELOPMENT
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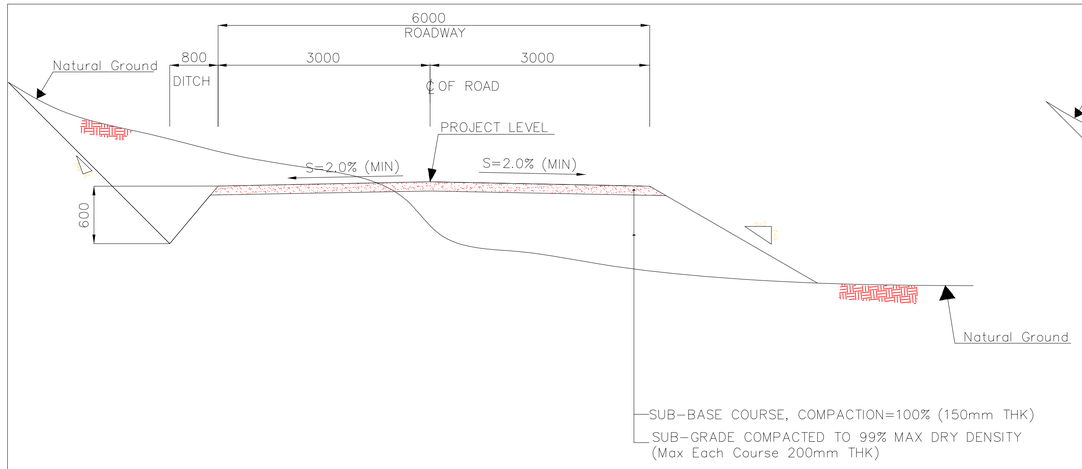
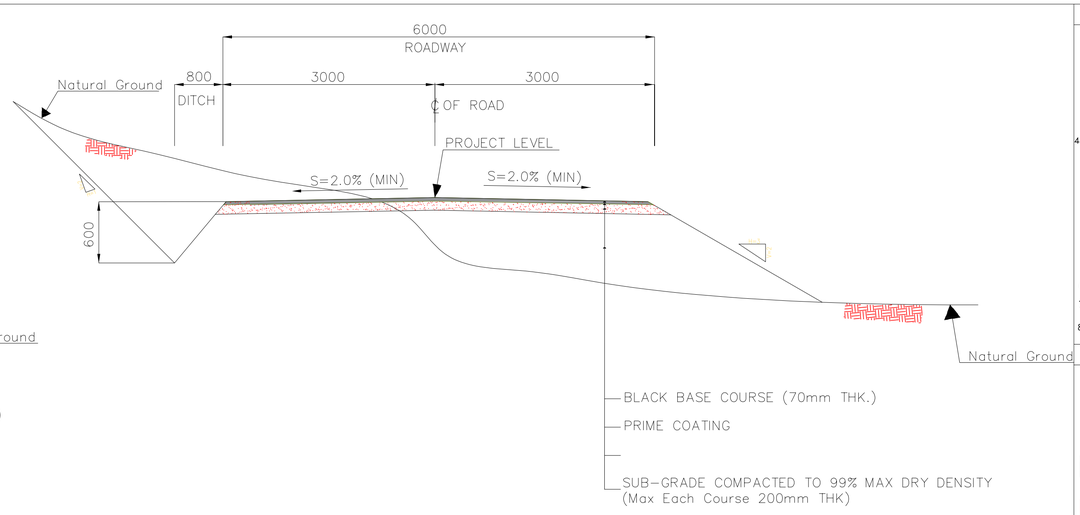
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	88	D05



N.T.S. 1 TYPICAL CROSS SECTIONS (Access Road)-Regular Area



N.T.S. 2 TYPICAL CROSS SECTIONS (Access Road)-Asphalt Area (Refer to Table1)

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 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 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 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.

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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
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VERTICAL DATUM: MSL
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6-CULVERT AND 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
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

REFERENCE DRAWING	DRG. No.
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KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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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 WELLHEAD FACILITIES
PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
N.T.S.	A1	BK-BK14-PEDCO-110-CV-DW-0001	89 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WELLHEAD FACILITIES

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	89	D05

EARTH WORK MATERIAL TAKE OFF – ACCESS ROAD BK14

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	6.38	0.00	0.00	0.00	0.00	0.00
0+009.35	0.00	1.96	29.82	8.62	29.82	8.62
0+010.00	0.00	2.36	0.00	1.32	29.82	9.94
0+018.71	0.00	2.84	0.00	21.68	29.82	31.62
0+020.00	0.00	2.53	0.00	3.46	29.82	35.08
0+030.00	0.00	2.94	0.00	27.33	29.82	62.42
0+040.00	0.00	2.63	0.00	27.86	29.82	90.28
0+050.00	0.00	2.51	0.00	25.71	29.82	115.98
0+060.00	0.00	2.23	0.00	23.69	29.82	139.67
0+070.00	0.00	1.50	0.00	18.64	29.82	158.32
0+080.00	0.00	1.42	0.00	14.57	29.82	172.89
0+090.00	0.00	1.80	0.00	16.09	29.82	188.99
0+100.00	0.00	1.55	0.00	16.79	29.82	205.78
0+110.00	0.00	2.41	0.00	19.80	29.82	225.58
0+120.00	0.00	2.90	0.00	26.55	29.82	252.13
0+130.00	0.00	2.13	0.00	25.15	29.82	277.28
0+136.02	0.00	2.13	0.00	12.81	29.82	290.09
0+140.00	2.07	0.00	8.33	0.82	38.15	290.92
0+141.66	0.00	1.81	0.00	3.22	29.82	301.65
0+147.30	0.00	1.46	0.00	9.22	29.82	310.87
0+150.00	0.00	1.56	0.00	4.07	29.82	314.94
0+160.00	0.00	1.19	0.00	13.77	29.82	328.71
0+170.00	0.00	1.34	0.00	12.65	29.82	341.37
0+180.00	0.00	2.07	0.00	17.02	29.82	358.39
0+190.00	0.00	2.05	0.00	20.61	29.82	378.99
0+200.00	1.46	0.00	7.28	10.27	37.10	389.26
0+202.97	0.74	0.38	3.26	0.57	40.36	389.83
0+210.00	0.37	1.20	3.93	5.50	44.29	395.33
0+220.00	0.00	1.40	1.86	12.85	46.15	408.18
0+230.00	0.18	0.82	0.93	10.95	47.08	419.13
0+240.00	1.89	0.00	10.37	4.04	57.45	423.17
0+250.00	1.76	0.00	18.27	0.00	75.72	423.17
0+260.00	0.01	0.97	8.87	4.77	84.59	427.93
0+270.00	0.00	2.59	0.03	17.69	84.63	445.63
0+280.00	0.00	0.87	0.00	17.25	84.63	462.88
0+290.00	0.00	0.60	0.00	7.26	84.63	470.14
0+300.00	0.00	1.77	0.00	11.74	84.63	481.87
0+310.00	0.00	1.84	0.00	17.96	84.63	499.83
0+311.08	0.00	1.85	0.00	1.99	84.63	501.83
0+320.00	0.00	1.88	0.00	16.55	84.63	518.38
0+330.00	0.00	1.55	0.00	17.12	84.63	535.50
0+340.00	0.00	1.90	0.00	17.27	84.63	552.76
0+350.00	0.00	1.56	0.00	17.32	84.63	570.08
0+360.00	0.00	2.04	0.00	17.99	84.63	588.07
0+370.00	0.00	2.63	0.00	23.29	84.63	611.36
0+380.00	0.00	2.85	0.00	27.23	84.63	638.59
0+390.00	0.00	3.19	0.00	30.02	84.63	668.61
0+400.00	0.00	3.14	0.00	31.56	84.63	700.17
0+410.00	0.00	2.05	0.00	25.94	84.63	726.11
0+419.19	0.00	1.06	0.00	14.31	84.63	740.42
0+420.00	0.00	0.57	0.00	0.66	84.63	741.08
0+430.00	0.00	0.74	0.00	6.56	84.63	747.64
0+440.00	0.00	2.19	0.00	14.64	84.63	762.28
0+450.00	0.00	0.99	0.00	15.91	84.63	778.19
0+460.00	0.02	1.61	0.10	13.03	84.72	791.22
0+470.00	0.06	2.55	0.38	20.82	85.10	812.04
0+474.96	0.00	2.96	0.14	13.66	85.24	825.70
0+480.00	0.00	3.85	0.00	17.83	85.24	843.53
0+490.00	0.00	5.28	0.00	46.79	85.24	890.32
0+497.94	0.00	5.13	0.00	42.00	85.24	932.32
0+500.00	0.00	5.18	0.00	10.74	85.24	943.05
0+510.00	0.00	4.22	0.00	47.52	85.24	990.57
0+520.00	0.00	4.33	0.00	42.85	85.24	1033.42
0+520.93	0.00	4.34	0.00	4.03	85.24	1037.45
0+530.00	0.00	4.20	0.00	38.72	85.24	1076.17
0+540.00	0.00	3.93	0.00	40.66	85.24	1116.83
0+550.00	0.00	3.50	0.00	37.17	85.24	1154.00
0+550.31	0.15	2.30	0.02	0.89	85.26	1154.89
0+560.00	0.11	2.53	1.18	24.08	86.45	1178.97
0+561.98	0.19	2.25	0.28	4.89	86.73	1183.85
0+570.00	0.00	2.89	0.74	20.99	87.47	1204.84
0+573.66	0.00	2.90	0.00	10.68	87.47	1215.53
0+580.00	0.00	2.74	0.00	17.87	87.47	1233.40
0+590.00	0.00	2.38	0.00	25.59	87.47	1258.99
0+596.35	0.00	2.11	0.00	14.24	87.47	1273.23
0+600.00	0.02	1.95	0.03	7.48	87.50	1280.72
0+604.44	0.04	1.71	0.13	8.21	87.63	1288.93
0+610.00	0.00	2.13	0.11	10.79	87.74	1299.72
0+612.53	0.00	2.57	0.00	6.03	87.74	1305.75
0+620.00	0.00	2.40	0.00	18.58	87.75	1324.34
0+630.00	0.00	1.98	0.00	21.93	87.75	1346.26
0+640.00	0.00	2.13	0.00	20.55	87.75	1366.81
0+650.00	0.00	2.27	0.00	21.99	87.75	1388.81
0+660.00	0.00	2.42	0.00	23.44	87.75	1412.24
0+670.00	0.00	3.15	0.00	27.81	87.75	1440.05
0+680.00	0.00	2.71	0.00	29.26	87.75	1469.32
0+690.00	0.00	2.37	0.00	25.41	87.75	1494.72
0+694.98	0.00	2.77	0.00	12.82	87.75	1507.54
0+700.00	0.01	2.45	0.02	14.27	87.77	1521.81
0+705.34	1.05	1.36	2.64	11.40	90.41	1533.21
0+710.00	0.00	3.14	2.28	11.28	92.69	1544.48
0+715.70	0.00	2.26	0.00	16.01	92.69	1560.49
0+720.00	0.00	1.86	0.00	8.86	92.69	1569.35
0+720.38	0.00	1.84	0.00	0.70	92.69	1570.06
0+730.00	0.00	2.00	0.00	18.31	92.69	1588.37
0+740.00	0.00	2.54	0.00	22.51	92.69	1610.87
0+750.00	0.00	2.17	0.00	23.29	92.69	1634.16
0+753.97	0.00	2.38	0.00	8.93	92.69	1643.09
0+760.00	0.00	2.91	0.00	15.84	92.69	1658.93
0+770.00	0.00	3.69	0.00	32.91	92.69	1691.84

Total Volume Table

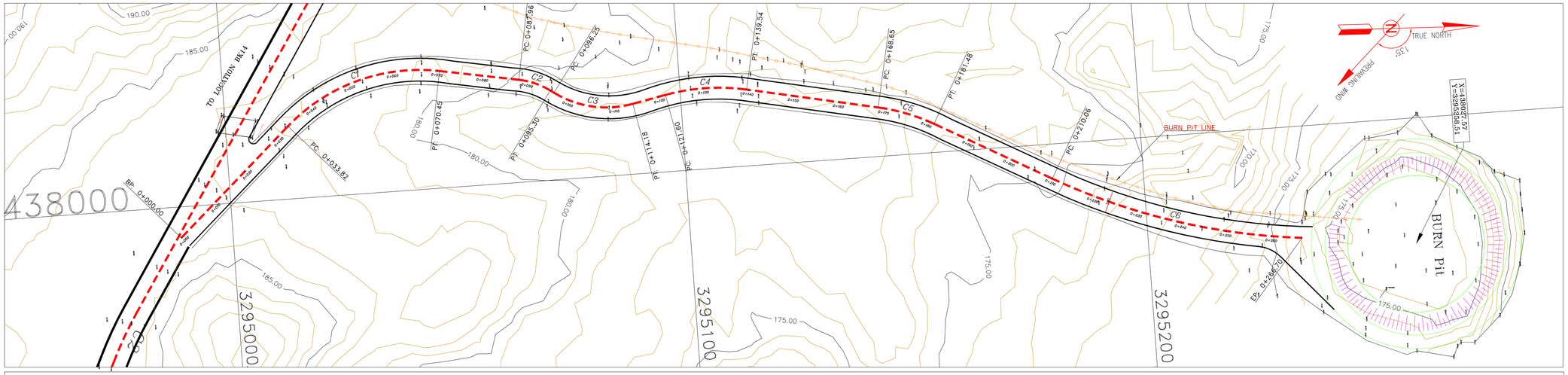
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+780.00	0.00	3.41	0.00	35.49	92.69	1727.33
0+787.55	0.00	2.56	0.00	23.37	92.69	1749.74
0+790.00	0.00	2.27	0.00	5.91	92.69	1755.64
0+800.00	0.00	0.78	0.00	15.24	92.69	1770.89
0+801.72	0.01	0.67	0.01	1.25	92.70	1772.14
0+810.00	0.00	2.28	0.05	13.01	92.75	1785.14
0+820.00	1.68	0.91	7.97	16.95	100.72	1802.10
0+825.97	4.69	0.45	18.10	4.38	118.82	1806.48
0+830.00	6.42	0.00	21.54	0.99	140.36	1807.47
0+840.00	7.53	0.00	68.35	0.00	208.71	1807.47
0+850.00	4.03	0.00	57.00	0.00	265.71	1807.47
0+850.22	3.95	0.00	0.90	0.00	266.61	1807.47
0+852.64	2.82	0.00	8.18	0.00	274.79	1807.47
0+860.00	0.52	0.00	12.40	0.00	287.19	1807.47
0+870.00	0.01	1.55	2.57	8.03	289.76	1815.50
0+876.89	0.01	2.10	0.02	13.20	289.78	1828.70
0+880.00	0.00	2.66	0.01	7.72	289.79	1836.42
0+890.00	0.00	3.25	0.00	30.27	289.79	1866.69
0+900.00	0.00	3.52	0.00	34.34	289.79	1901.03
0+901.14	0.00	3.47	0.00	4.01	289.79	1905.03
0+910.00	0.00	2.55	0.00	26.66	289.79	1931.69
0+920.00	0.06	0.54	0.28	15.45	290.06	1947.14
0+930.00	3.48	0.00	17.66	2.69	307.72	1949.83
0+940.00	5.73	0.00	46.04	0.00	353.76	1949.83
0+950.00	3.88	0.00	48.06	0.00	401.82	1949.83
0+960.00	1.12	0.45	24.98	2.26	426.79	1952.09
0+967.68	0.00	3.09	4.29	13.59	431.08	1965.68
0+970.00	0.00	5.88	0.00	10.69	431.08	1976.37
0+980.00	0.00	10.68	0.00	114.48	431.08	2090.85
0+990.00	0.00	17.95	0.00	172.59	431.08	2263.45
0+991.74	0.00	18.29	0.00	31.11	431.08	2294.55
1+000.00	0.00	14.34	0.00	132.34	431.08	2426.90
1+010.00	0.00	11.12	0.00	125.14	431.08	2552.04
1+015.81	0.00	11.34	0.00	64.40	431.08	2616.53
1+020.00	0.00	12.09	0.00	49.28	431.08	2665.81
1+030.00	0.00	12.23	0.00	122.07	431.08	2787.88
1+030.86	0.00	12.18	0.00	10.52	431.08	2798.40
1+040.00	0.00	9.28	0.00	98.49	431.08	2896.89
1+045.91	0.00	6.36	0.00	46.42	431.08	2943.30
1+050.00	0.00	5.97	0.00	25.34	431.08	2968.51
1+060.00	0.00	5.63	0.00	57.98	431.08	3026.49
1+070.00	0.03	4.09	0.15	48.59	431.23	3075.08
1+080.00	0.25	0.52	1.39	23.08	432.62	3098.16
1+082.03	0.14	0.56	0.39	1.10	433.01	3099.26
1+090.00	0.00	1.04	0.54	6.37	433.55	3105.63
1+100.00	0.00	1.43	0.00	12.35	433.55	3117.99
1+110.00	0.00	2.38	0.00	19.07	433.55	3137.05
1+118.15	0.00	3.50	0.00	23.95	433.55	3161.00
1+120.00	0.00	3.90	0.00	6.85	433.55	3167.86
1+130.00	0.00	6.72	0.00	53.12	433.55	3220.98
1+137.09	0.00	6.11	0.00	45.66	433.55	3266.64
1+140.00	0.00	6.02	0.00	17.90	433.55	3284.55
1+150.00	0.00	4.47	0.00	53.44	433.55	3337.99
1+156.02	0.00	2.46	0.00	21.21	433.55	3359.20
1+160.00	0.00	2.27	0.00	9.41	433.55	3368.61
1+170.00	1.07	0.36	5.37	13.13	438.92	3381.74
1+180.00	0.00	1.70	5.36	10.29	444.28	3392.03
1+190.00	0.00	3.46	0.00	25.83	444.28	3417.86
1+200.00	0.00	3.66	0.00	35.60	444.28	3453.46
1+210.00	0.00	3.00	0.00	33.28	444.28	3486.75
1+220.00	0.06	0.62	0.28	18.09	444.56	3504.84
1+221.12	0.12	0.53	0.10	0.64	444.66	3505.48
1+230.00	1.48	0.00	6.85	2.47	451.51	3507.95
1+240.00	2.85	0.90	20.92	4.66	472.43	3512.61
1+250.00	0.06	0.72	14.05	8.32	486.48	3520.93
1+260.00	0.00	2.18	0.26	14.64	486.74	3535.57
1+260.10	0.00	2.19	0.00	0.21	486.74	3535.78
1+270.00	0.00	3.63	0.00	29.07	486.74	3564.84
1+280.00	0.00	5.19	0.00	44.61	486.74	3609.46
1+290.00	0.00	5.36	0.00	53.52	486.74	3662.98
1+299.07	0.00	4.72	0.00	46.20	486.74	3709.18
1+300.00	0.00	4.75	0.00	4.40	486.74	3713.58
1+310.00	0.03	5.56	0.15	51.59	486.89	3765.17
1+320.00	0.00	2.36	0.15	39.61	487.04	3804.78
1+330.00	0.00	3.24	0.00	28.00	487.05	3832.78
1+340.00	0.00	3.41	0.00	33.26	487.05	3866.03
1+350.00	0.00	4.40	0.00	39.03	487.05	3905.06
1+360.00	0.00	4.86	0.00	46.28	487.05	3951.33
1+370.00	0.04	6.77	0.18	58.13	487.23	4009.46
1+380.00	0.00	6.52	0.18	66.42	487.41	4075.89
1+390.00	0.00	6.54	0.00	65.28	487.41	4141.17
1+400.00	0.00	6.72	0.00	66.28	487.41	4207.45
1+410.00	0.00	6.98	0.00	68.46	487.41	4275.91
1+411.33	0.00	7.02	0.00	9.28	487.41	4285.19
1+420.00	0.00	6.09	0.00	57.28	487.41	4342.47
1+430.00	0.00	4.02	0.00	50.68	487.41	4393.15
1+434.95	0.10	2.89	0.23	17.18	487.64	4410.33
1+440.00	0.00	3.66	0.23	16.75	487.87	4427.08
1+450.00	0.00	2.26	0.00	30.01	487.87	4457.09
1+458.57	0.02	1.06	0.09	14.63	487.97	4471.73
1+460.00	0.00	0.95	0.02	1.35	487.98	4473.08
1+470.00	0.00	0.83	0.00	8.32	487.98	4481.39
1+475.37	0.00	3.21	0.00	10.49	487.98	4491.88
1+480.00	0.00	2.69	0.00	13.37	487.98	4505.25
1+490.00	0.00	2.78	0.00	26.75	487.98	4532.01
1+492.16	0.00	3.10	0.00	6.22	487.98	4538.23
1+500.00	0.00	3.89	0.00	28.09	487.98	4566.32
1+506.04	0.00	6.58	0.00	32.12	487.98	4598.44
1+510.00	0.01	7.68	0.01	28.67	487.99	4627.11
1+519.91	0.00	3.54	0.02	56.64	488.02	4683.75

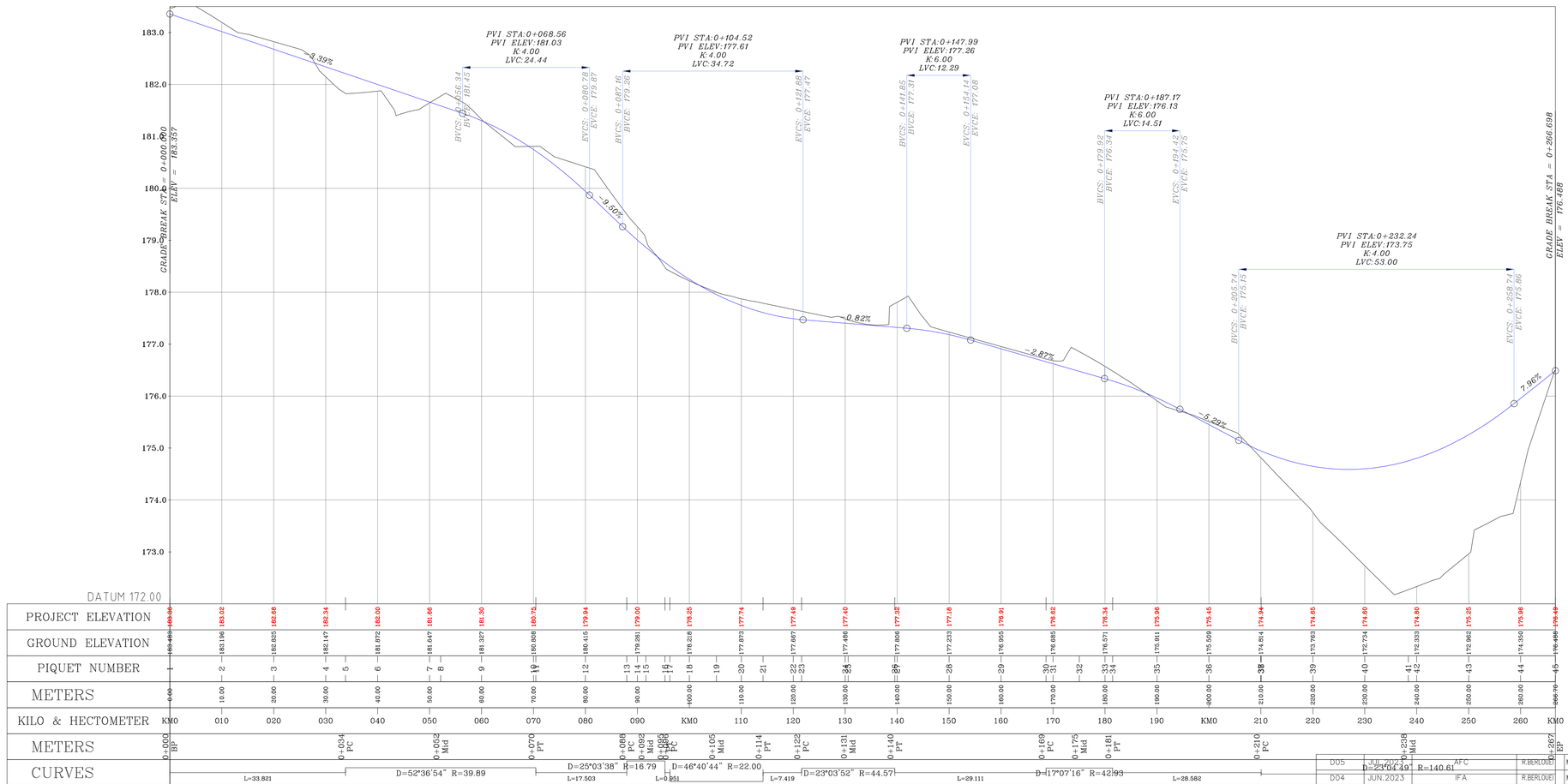
Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+520.00	0.00	3.53	0.00	0.30	488.02	4684.05
1+530.00	0.00	3.15	0.00	33.39	488.02	4717.44
1+540.00	0.00	2.22	0.00	26.85	488.02	4744.29
1+550.00	0.05	0.00	0.23	11.12	488.24	4755.41
1+560.00	1.64	0.00	8.43	0.00	496.67	4755.41
1+561.64	0.91	0.00	2.09	0.00	498.77	4755.41
1+570.00	0.00	1.71	3.90	7.71	502.67	4763.12
1+578.85	0.00	2.40	0.01	19.66	502.68	4782.78
1+580.00	0.00	2.51	0.00	3.04	502.68	4785.82
1+590.00	0.00	4.98	0.00	38.86	502.68	4824.68
1+596.07	0.00	3.94	0.00	27.53	502.68	4852.22
1+600.00	0.00	3.30	0.00	14.25	502.68	4866.47
1+610.00	0.00	2.15	0.00	27.28	502.68	4893.75
1+620.00	0.00	1.85	0.00	20.02	502.68	4913.77
1+630.00	0.00	2.80	0.00	23.26	502.68	4937.03
1+640.00	0.00	3.63	0.00	32.15	502.68	4969.18
1+650.00	0.00	4.22	0.00	39.23	502.68	5008.41
1+660.00	0.00	1.95	0.00	30.81	502.68	5039.23
1+664.85	0.10	1.01	0.25	7.17	502.93	5046.40
1+670.00	0.18	1.27	0.75	5.63	503.67	5052.02
1+677.55	0.03	1.67	0.82	10.93	504.49	5062.96
1+680.00	0.00	1.78	0.04	4.19	504.53	5067.15
1+690.00	0.98	0.00	4.81	8.83	509.34	5075.98
1+690.25	1.17	0.00	0.27	0.00	509.61	5075.98
1+700.00	1.72	0.00	14.06	0.00	523.67	5075.98
1+710.00	1.46	0.00	15.90	0.00	539.57	5075.98
1+720.00	0.00	1.19	7.31	5.93	546.88	5081.90
1+730.00	0.00	5.86	0.00	35.24	546.88	5117.15
1+734.38	0.00	5.61	0.00	25.12	546.88	5142.27
1+740.00	0.00	2.14	0.00	21.53	546.88	5163.80
1+750.00	0.00	1.75	0.00	19.37	546.88	5183.17
1+757.88	0.00	2.55	0.00	17.05	546.88	5200.22
1+760.00	0.00	2.76	0.00	5.63	546.88	5205.85
1+770.00	0.00	4.26	0.00	34.92	546.88	5240.77
1+780.00	0.00	3.47	0.00	38.29	546.88	5279.06
1+781.38	0.00	3.46	0.00	4.70	546.88	5283.77
1+790.00	0.00	3.55	0.00	30.82	546.88	5314.58
1+795.01	0.00	3.36	0.00	17.67	546.88	5332.25
1+800.00	0.00	2.27	0.00	14.37	546.88	5346.62
1+808.65	0.00	3.49	0.00	25.36	546.88	5371.98
1+810.00	0.00	3.65	0.00	4.82	546.88	5376.80
1+820.00	0.00	1.46	0.01	25.54	546.89	5402.34
1+830.00	0.11	1.92	0.56	16.90	547.45	5419.24
1+835.02	0.00	3.39	0.29	13.32	547.74	5432.56
1+840.00	0.00	5.04	0.01	21.37	547.75	5453.93
1+850.00	0.00	1.63	0.00	33.22	547.75	5487.15
1+860.00	0.08	0.65	0.42	11.03	548.17	5498.18
1+865.99	0.01	0.72	0.28	4.06	548.45	5502.23
1+870.00	0.00	0.87	0.02	3.51	548.46	5505.75
1+880.00	0.00	2.56	0.00	17.85	548.46	5523.60
1+890.00	0.00	2.27	0.00	24.17	548.46	5547.76
1+896.96	0.00	1.99	0.00	14.48	548.46	5562.25
1+900.00	0.00	1.91	0.00	5.93	548.46	5568.18
1+910.00	0.00	2.16	0.00	20.34	548.46	5588.52
1+920.00	0.00	2.83	0.00	24.92	548.46	5613.44
1+930.00	0.00	3.30	0.00	32.48	548.46	5645.92
1+940.00	0.00	4.60	0.00	41.35	548.46	5687.27
1+950.00	0.00	4.99	0.00	47.97	548.46	5735.24
1+960.00	0.00	5.00	0.00	49.99	548.46	5785.24
1+970.00	0.00	2.52	0.00	37.62	548.46	5822.86
1+980.00	0.02	0.83	0.10	16.76	548.56	5839.62
1+983.89	0.00	1.06	0.04	3.69	548.60	5843.30
1+990.00	0.17	1.52	0.48	8.18	549.08	5851.49
2+000.00	0.03	2.07	0.93	18.52	550.01	5870.31
2+010.00	0.00	2.32	0.15	22.59	550.15	5892.90
2+020.00	0.00	3.33	0.00	28.52	550.15	5921.42
2+030.00	0.00	2.61	0.00	29.90	550.15	5951.32
2+032.72	0.27	0.83	0.36	4.79	550.51	5956.11
2+040.00	2.35	0.00	9.23	3.26	559.74	5959.37
2+050.00	0.02	1.00	11.46	5.24	571.19	5964.61
2+060.00	0.66	0.00	3.45	5.24	574.65	5969.84
2+070.00	0.00	4.35	3.37	21.62	578.02	5991.47
2+080.00	0.00	4.45	0.00	43.88	578.02	6035.34
2+081.55	0.00	4.22	0.00	6.71	578.02	6042.06
2+090.00	0.00	3.44	0.00	32.47	578.02	6074.53
2+100.00	0.00	2.70	0.00	30.89	578.02	6105.41
2+110.00	0.00	1.69	0.00	22.09	578.02	6127.50
2+118.45	0.00	2.71	0.00	18.68	578.02	6146.18
2+120.00	0.00	2.73	0.00	4.22	578.02	6150.40
2+130.00	0.16	0.25	0.80	14.99	578.82	6165.39
2+140.00	0.13	1.05	1.46	6.39	580.28	6171.78
2+150.00	0.00	1.47	0.66	12.63	580.94	6184.41
2+155.35	0.00	4.61	0.01	16.41	580.95	6200.82
2+160.00	0.00	5.89	0.01	24.29	580.96	6225.11
2+170.00	0.00	9.14	0.00	75.72	580.96	6300.83
2+179.32	0.00	8.10	0.00	81.07	580.96	6381.91
2+180.00	0.00	8.10	0.00	5.54	580.96	6387.45
2+190.00	0.00	7.53	0.00	78.86	580.96	6466.31
2+200.00	0.00	4.71	0.00	61.04	580.96	6527.35
2+203.28	0.00	4.23	0.00	14.34	580.96	6541.68
2+210.00	0.00	4.28	0.00	28.67	580.96	6570.35
2+220.00	0.00	2.46	0.00	33.83	580.96	6604.18
2+230.00	0.00	1.87	0.00	21.73	580.96	6625.91
2+240.00	0.03	2.26	0.13	20.70	581.08	6646.62
2+250.00	0.00	3.43	0.13	28.52	581.21	6675.14
2+260.00	0.00	3.32	0.00	33.79	581.21	6708.92
2+270.00	0.00	2.65	0.00	29.86	581.21	6738.79
2+274.52	0.00	2.23	0.00	11.06	581.21	6749.85
2+280.00	0.00	1.21	0.00	9.44	581.21	6759.29
2+290.00	0.04	0.82	0.20	10.20	581.41	6769.49

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
2+300.00	0.00	1.18	0.20	10.02	581.61	6779.51
2+310.00	0.00	1.67	0.00	14.24	581.61	6793.75
2+320.00	0.00	3.46	0.00	25.65	581.61	6819.40
2+330.00	0.00	3.40	0.00	34.32	581.61	6853.72
2+340.00	0.00	3.17	0.00	32.87	581.61	6886.59
2+345.77	0.00	3.26	0.00	18.52	581.61	6905.11
2+350.00	0.00	1.29	0.00	9.61	581.61	6914.72
2+360.00	0.21	0.00	1.07	6.45	582.67	6921.18
2+370.00	0.51	0.00	3.63	0.00	586.30	6921.18
2+372.25	0.40	0.00	1.03	0.00	587.34	6921.18
2+380.00	0.11	0.60	2.00	2.27	589.34	6923.45
2+390.00	0.00	3.16	0.57	18.68	589.91	6942.13
2+398.74	0.00	6.57	0.00	42.36	589.91	6984.50
2+400.00	0.00	7.21	0.00	9.01	589.91	6993.51
2+410.00	0.00	7.99	0.00	78.57	589.91	7072.08
2+417.99	0.00	8.11	0.00	66.19	589.91	7138.28
2+420.00	0.00	8.16	0.00	16.75	589.91	7155.03
2+430.00	0.00	5.95	0.00	70.45	589.91	7225.48
2+437.25	0.00	4.27	0.00	37.98	589.91	7265.46
2+440.00	0.00	3.55	0.00	10.76	589.91	7276.22
2+450.00	0.00	2.51	0.00	30.39	589.91	7306.61
2+460.00	0.00	2.66	0.00	25.92	589.91	7332.53
2+470.00	0.00	3.05	0.00	28.53	589.91	7361.06
2+480.00	0.04	1.65	0.17	23.58	590.08	7384.64
2+481.19	0.10	1.72	0.08	2.00	590.16	7386.64
2+490.00	0.00	0.86	0.44	11.53	590.60	7398.17
2+500.00	0.36	0.86	1.78	8.74	592.38	7406.91
2+510.00	0.28	0.00	3.15	4.38	595.53	7411.29
2+520.00	0.00	0.63	1.38	3.23	596.91	7414.51
2+525.12	0.00	0.99	0.00	4.19	596.91	7418.70
2+530.00	0.25	2.42	0.59	8.36	597.50	7427.06
2+540.00	0.00	2.45	1.21	24.62	598.71	7451.68
2+550.00	0.00	2.15	0.00	23.25	598.71	7474.93
2+555.52	0.00	2.63	0.00	13.45	598.71	7488.38
2+560.00





NOTES

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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

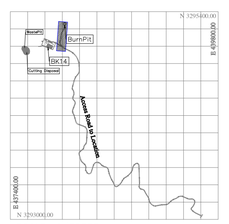
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT
OIL LINE
BURN PIT LINE
NEW BURN PIT LINE

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–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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

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	3295018.58	437980.28
0+050.00	3295027.53	437975.89
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	3295085.30	437985.03
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
0+210.00	3295179.96	438007.56
0+220.00	3295188.87	438012.09
0+230.00	3295198.08	438015.98
0+240.00	3295207.54	438019.21
0+250.00	3295217.21	438021.76
0+260.00	3295227.04	438023.61
0+266.70	3295233.68	438024.46

PI Station	Northing	Easting
0+000.00	3294988.64	438006.78
0+053.54	3295028.31	437970.82
0+091.69	3295068.59	437978.23
0+105.75	3295080.14	437986.46
0+130.69	3295105.65	437981.41
0+175.11	3295149.36	437990.60
0+238.77	3295205.12	438021.50
0+266.70	3295233.68	438024.46

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.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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

اصل و کلیه نسخ این نقشه و حق اقتباس 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

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY – PEDCO

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14
BURN PIT ACCESS ROAD PLAN AND PROFILE

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/500	A1	BK–BK14–PEDCO–110–CV–DW–0001	91 OF 98	D05

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	D05

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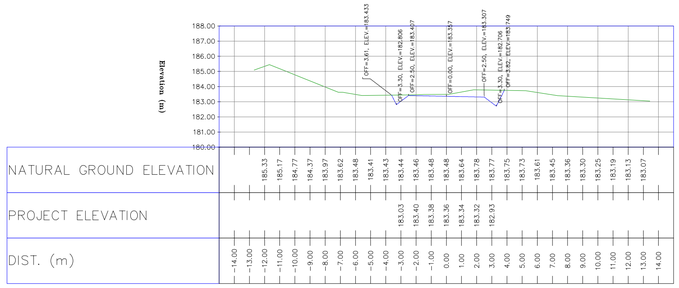

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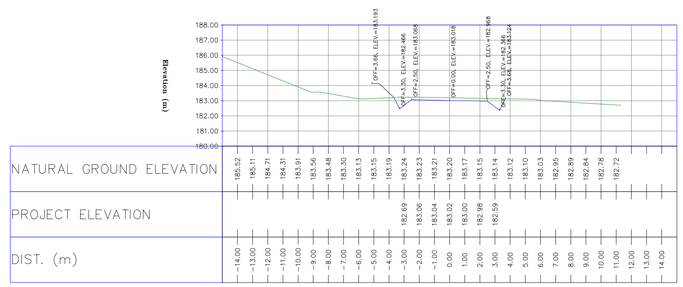

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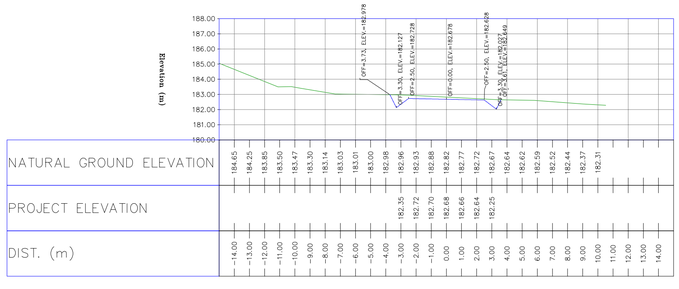

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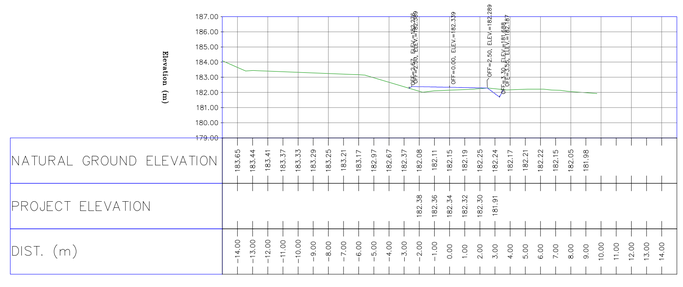

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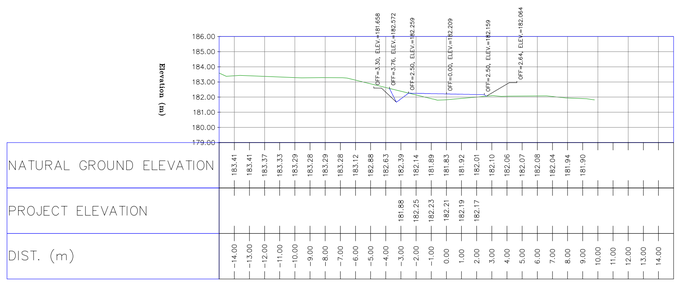

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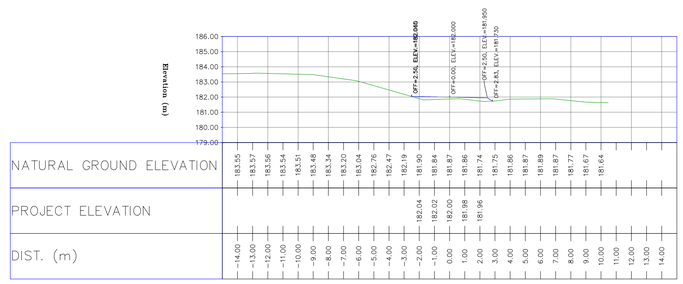

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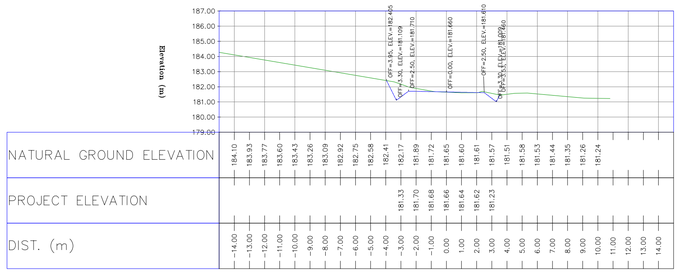

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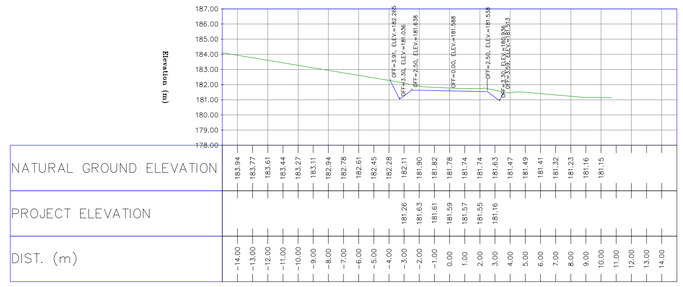

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VERTICAL DATUM:	MSL

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LEGEND

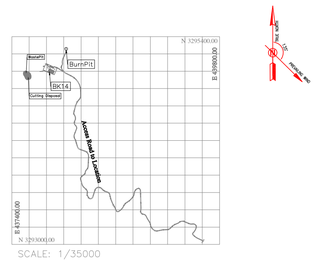
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	92 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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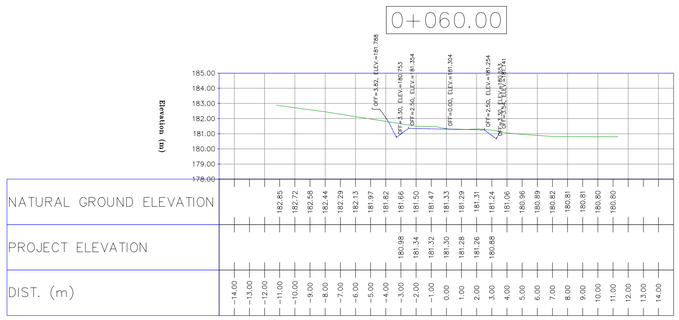
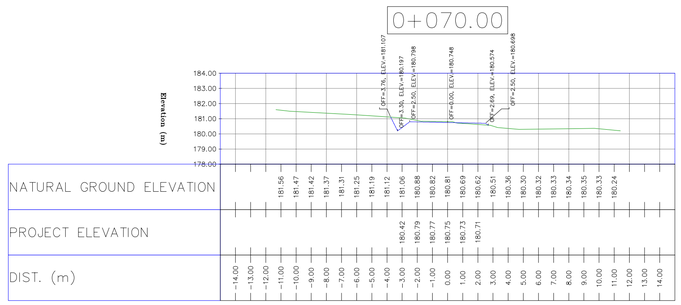
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

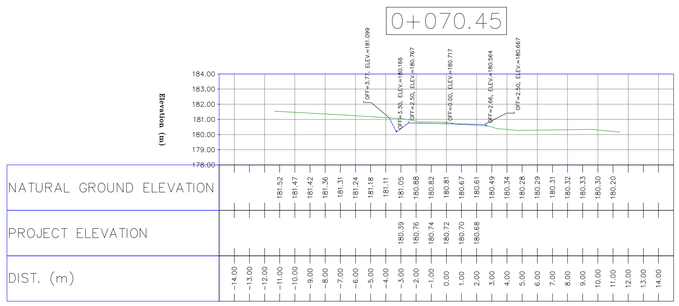
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

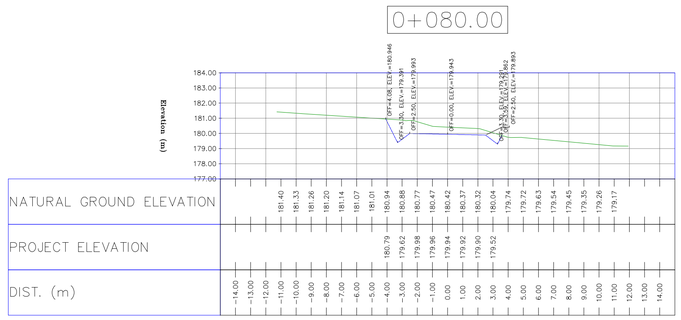
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

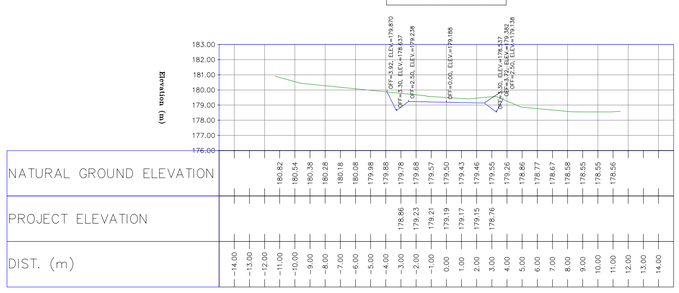
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	92	D05

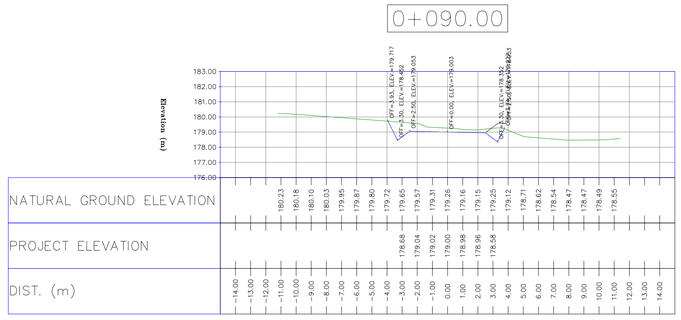


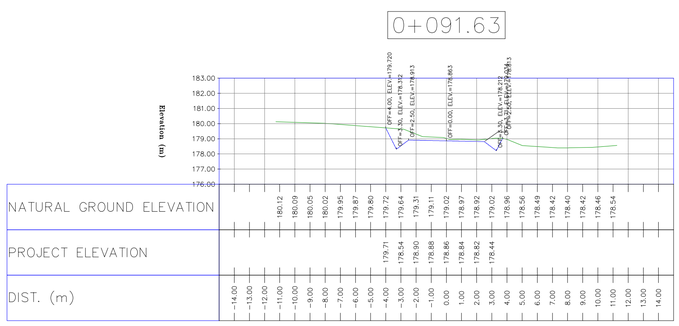


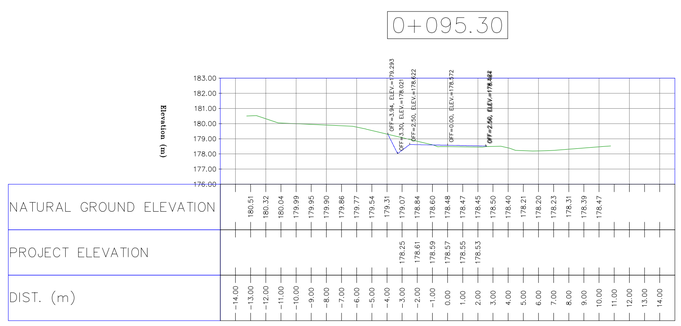












NOTES

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
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
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
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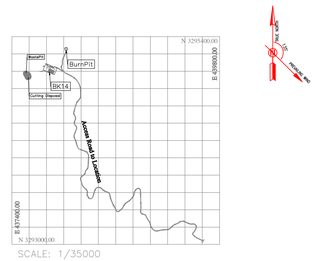
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 - 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 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	93 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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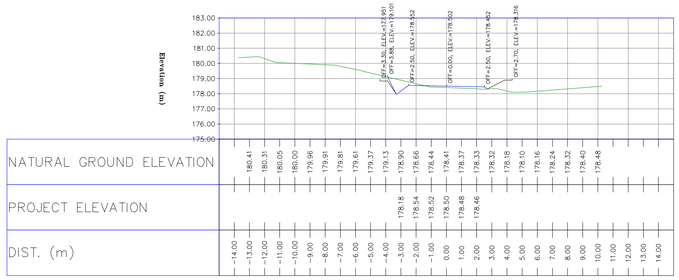
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

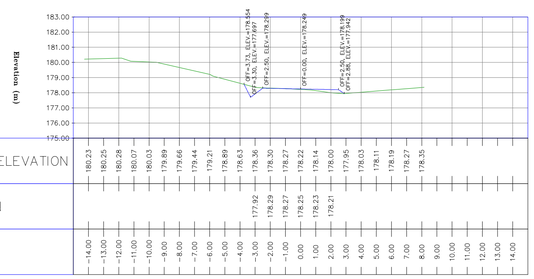
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	93	D05

0+096.25



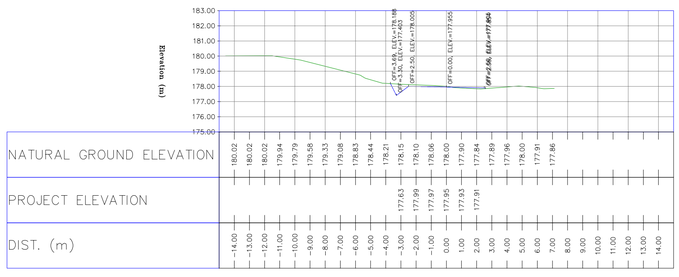
NATURAL GROUND ELEVATION	180.41	180.31	180.05	180.00	179.96	179.91	179.81	179.61	179.37	179.13	178.90	178.66	178.44	178.41	178.37	178.33	178.32	178.18	178.10	178.16	178.24	178.32	178.40	178.48					
PROJECT ELEVATION											178.18	178.54	178.52	178.50	178.48	178.46													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+100.00



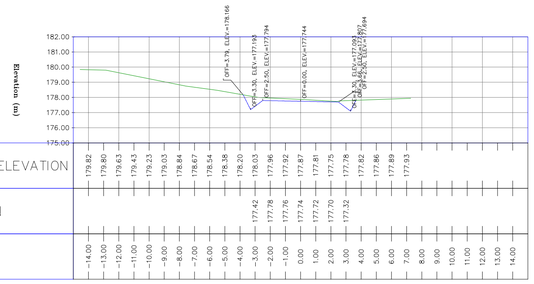
NATURAL GROUND ELEVATION	180.23	180.25	180.28	180.07	180.03	179.89	179.66	179.44	179.21	178.89	178.63	178.36	178.30	178.27	178.30	178.27	178.25	178.22	178.14	178.00	177.95	178.03	178.11	178.19	178.27	178.35			
PROJECT ELEVATION											177.92	178.29	178.27	178.25	178.23	178.21													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+105.21



NATURAL GROUND ELEVATION	180.02	180.02	180.02	179.94	179.79	179.58	179.33	179.08	178.83	178.44	178.21	178.15	178.10	178.06	178.00	177.90	177.84	177.89	177.96	178.00	177.91	177.86							
PROJECT ELEVATION													177.63	177.99	177.97	177.95	177.93	177.91											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+110.00



NATURAL GROUND ELEVATION	179.82	179.80	179.63	179.43	179.23	179.03	178.84	178.67	178.54	178.38	178.20	178.03	177.96	177.92	177.87	177.81	177.75	177.78	177.82	177.86	177.89	177.93							
PROJECT ELEVATION													177.42	177.78	177.76	177.74	177.72	177.70	177.32										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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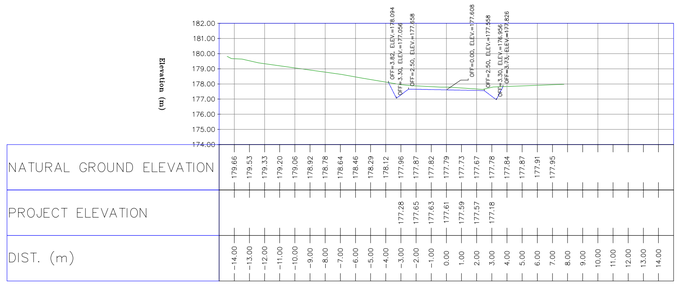
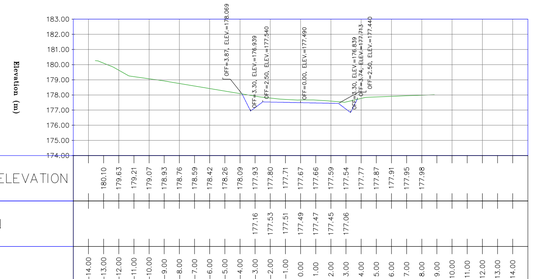


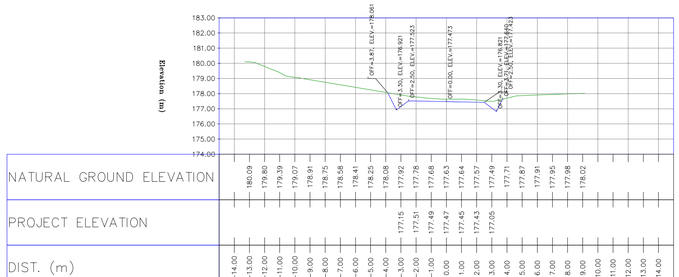
NATURAL GROUND ELEVATION	179.66	179.53	179.33	179.20	179.06	178.92	178.78	178.64	178.46	178.29	178.12	177.96	177.87	177.82	177.79	177.73	177.67	177.78	177.84	177.87	177.91	177.95							
PROJECT ELEVATION												177.28	177.65	177.63	177.61	177.59	177.57	177.18											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+120.00



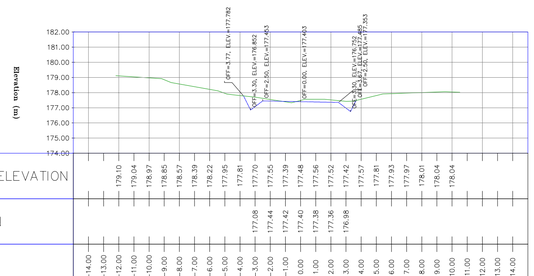
NATURAL GROUND ELEVATION	180.10	179.63	179.21	179.07	178.93	178.76	178.59	178.42	178.26	178.09	177.93	177.80	177.71	177.67	177.66	177.59	177.54	177.77	177.87	177.91	177.95	177.98							
PROJECT ELEVATION											177.16	177.53	177.51	177.49	177.47	177.45	177.06												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+121.60



NATURAL GROUND ELEVATION	180.09	179.80	179.39	179.07	178.91	178.75	178.58	178.41	178.25	178.08	177.92	177.78	177.68	177.63	177.64	177.57	177.49	177.71	177.87	177.91	177.95	177.98	178.02						
PROJECT ELEVATION											177.15	177.51	177.49	177.47	177.45	177.43	177.05												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+130.00



NATURAL GROUND ELEVATION	179.10	179.04	178.97	178.85	178.57	178.39	178.22	177.95	177.81	177.70	177.55	177.39	177.42	177.40	177.48	177.56	177.52	177.42	177.57	177.81	177.93	177.97	178.01	178.04	178.04				
PROJECT ELEVATION										177.08		177.44	177.42	177.40	177.38	177.36	176.88												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

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VERTICAL DATUM:	MSL

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LEGEND

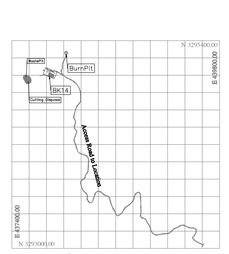
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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-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
PVI= POINT OF VRTICAL 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



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	94 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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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	94	D05

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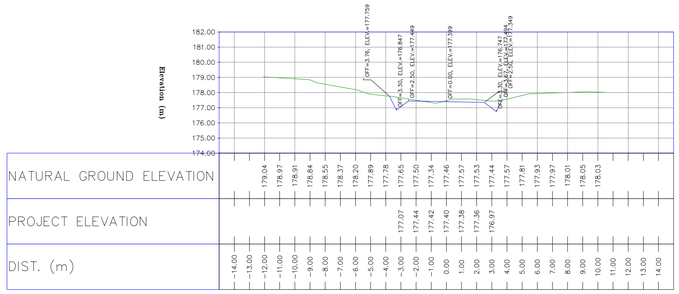

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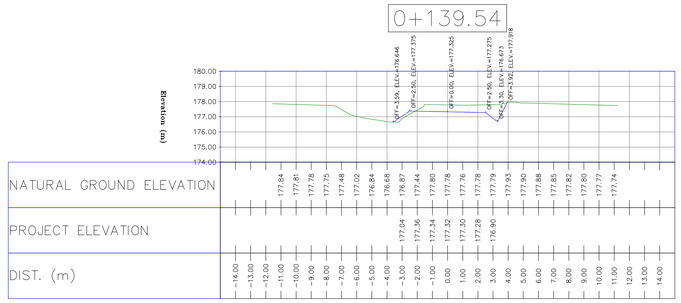

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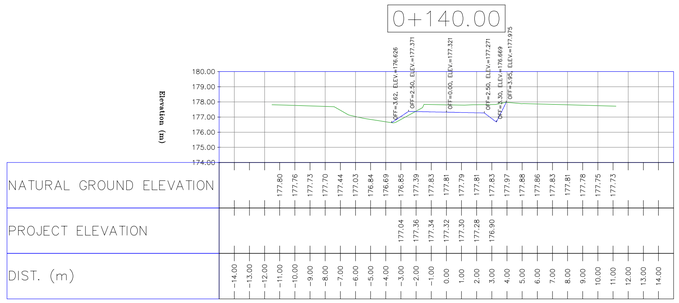

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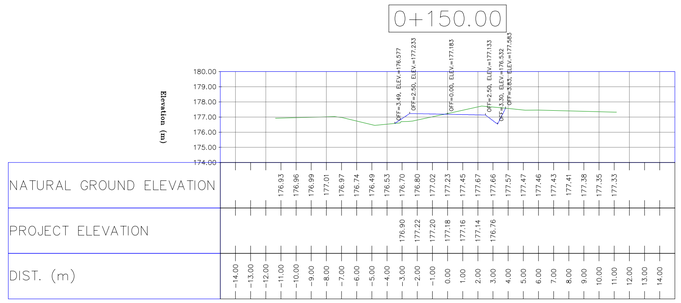

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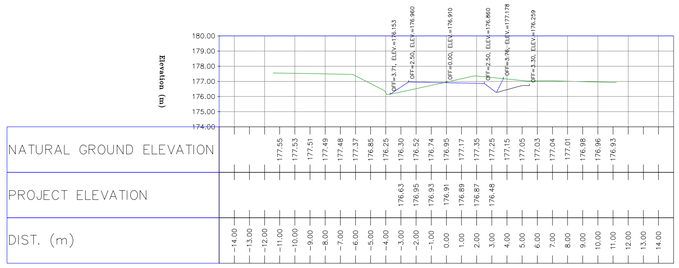

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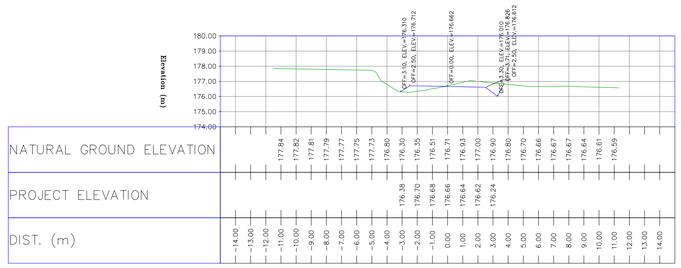

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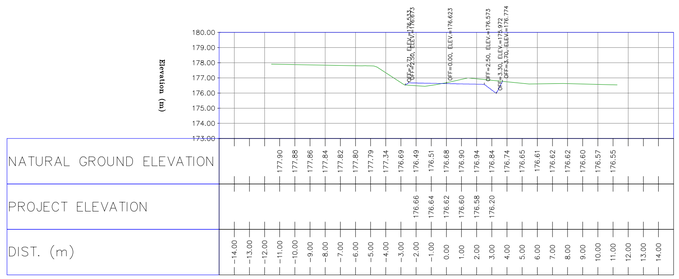

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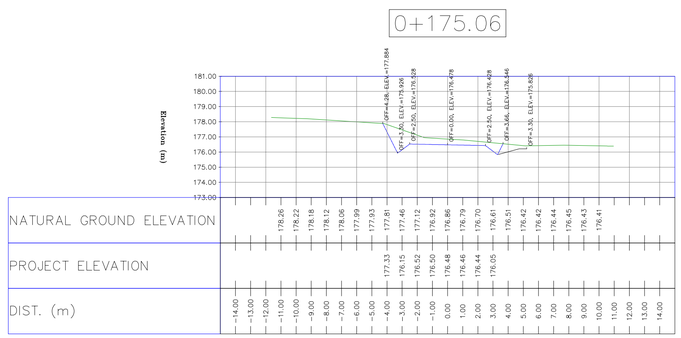

NOTES

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
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
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–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

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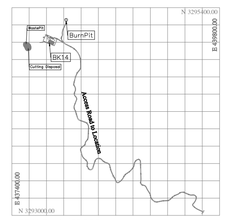
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.
***	**********	**.**	***.****	**.**	***.****	

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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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 — PEDCO

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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

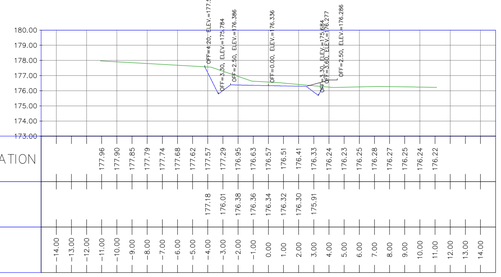
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	95 OF 98	D05

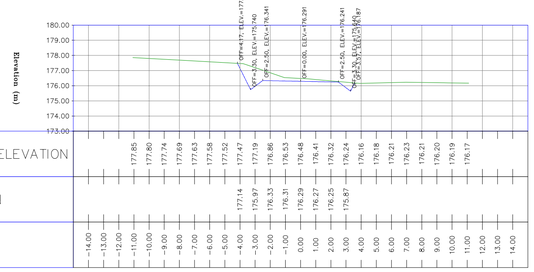
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	95	D05

0+180.00



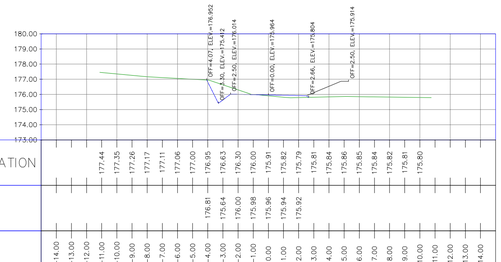
NATURAL GROUND ELEVATION									177.96	177.90	177.85	177.79	177.74	177.68	177.62	177.57	177.29	176.95	176.63	176.57	176.51	176.41	176.33	176.24	176.23	176.25	176.28	176.27	176.25	176.24	176.22						
PROJECT ELEVATION																177.18	177.01	176.38	176.36	176.34	176.32	176.30	175.91														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00						

0+181.48



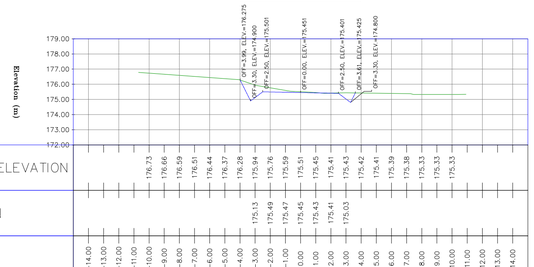
NATURAL GROUND ELEVATION									177.85	177.80	177.74	177.69	177.63	177.58	177.52	177.47	177.19	176.86	176.53	176.48	176.41	176.32	176.24	176.16	176.18	176.21	176.23	176.21	176.20	176.19	176.17						
PROJECT ELEVATION																177.14	176.97	176.33	176.31	176.29	176.27	176.25	175.87														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00						

0+190.00



NATURAL GROUND ELEVATION									177.44	177.35	177.26	177.17	177.11	177.06	177.00	176.95	176.63	176.30	176.00	175.96	175.91	175.82	175.79	175.81	175.84	175.86	175.85	175.84	175.82	175.81	175.80						
PROJECT ELEVATION																176.81	175.64	176.00	175.98	175.96	175.94	175.92															
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00						

0+200.00



NATURAL GROUND ELEVATION									176.73	176.66	176.59	176.51	176.44	176.37	176.28	175.94	175.76	175.59	175.51	175.45	175.43	175.42	175.41	175.39	175.38	175.33	175.33	175.33									
PROJECT ELEVATION																175.13	175.49	175.47	175.45	175.43	175.41	175.03															
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00						

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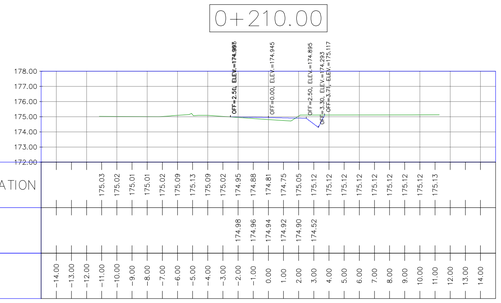
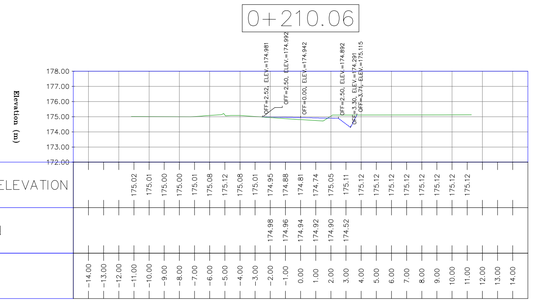


NATURAL GROUND ELEVATION									175.03	175.02	175.01	175.01	175.02	175.09	175.13	175.09	175.02	174.95	174.88	174.81	174.75	175.05	175.12	175.12	175.12	175.12	175.12	175.12	175.12	175.12	175.13						
PROJECT ELEVATION																174.98	174.96	174.94	174.92	174.90	174.52																
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00						

0+210.06



NATURAL GROUND ELEVATION									175.02	175.01	175.00	175.00	175.01	175.08	175.12	175.08	175.01	174.95	174.88	174.81	174.74	175.05	175.11	175.12	175.12	175.12	175.12	175.12	175.12	175.12	175.12						
PROJECT ELEVATION																174.98	174.96	174.94	174.92	174.90	174.52																
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00						

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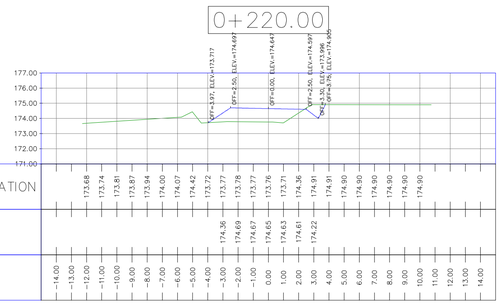
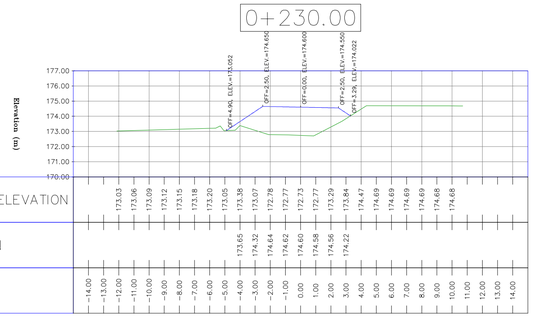


NATURAL GROUND ELEVATION									173.68	173.74	173.81	173.87	173.94	174.00	174.07	174.42	173.72	173.77	173.78	173.77	173.76	173.71	174.36	174.91	174.90	174.90	174.90	174.90	174.90								
PROJECT ELEVATION																174.36	174.69	174.67	174.65	174.63	174.61	174.22															
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00						

0+230.00



NATURAL GROUND ELEVATION									173.03	173.06	173.09	173.12	173.15	173.18	173.20	173.05	173.38	173.07	172.78	172.77	172.73	172.77	173.29	173.84	174.47	174.69	174.69	174.69	174.68	174.68							
PROJECT ELEVATION																173.65	174.32	174.64	174.62	174.60	174.58	174.56	174.22														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00						

NOTES

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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:
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- 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.

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7- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001

LEGEND

WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
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-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
PVI= POINT OF VRTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
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BVCE= BEGIN OF VERTICAL CURVE ELEVATION
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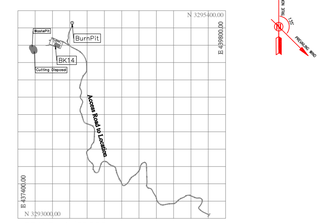
KEY PLAN



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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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 (PEDCO)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

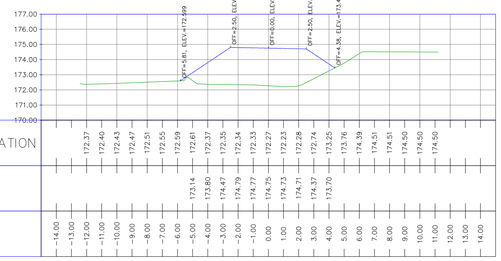
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14
BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	96 OF 98	D05

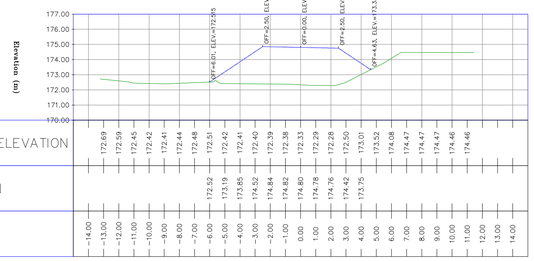
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	96	D05

0+238.38



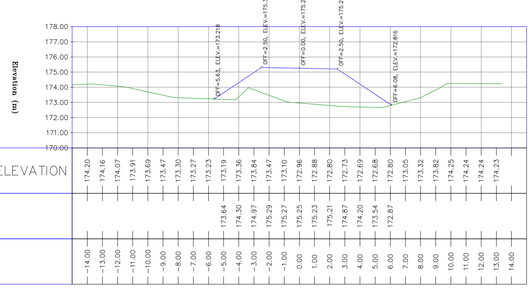
NATURAL GROUND ELEVATION	172.37	172.40	172.43	172.47	172.51	172.55	172.59	172.61	172.37	172.35	172.34	172.33	172.27	172.23	172.28	172.74	173.25	173.76	174.39	174.51	174.51	174.50	174.50	174.50				
PROJECT ELEVATION								173.14	173.80	174.47	174.78	174.77	174.75	174.73	174.71	174.37	173.70											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+240.00



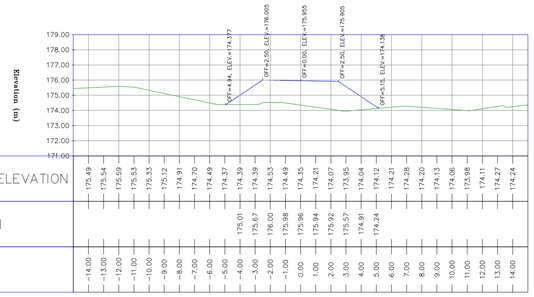
NATURAL GROUND ELEVATION	172.69	172.59	172.45	172.42	172.41	172.44	172.48	172.51	172.42	172.41	172.40	172.39	172.38	172.33	172.29	172.28	172.50	173.01	173.52	174.08	174.47	174.47	174.47	174.46	174.46			
PROJECT ELEVATION								172.52	173.19	173.85	174.32	174.84	174.82	174.80	174.78	174.76	174.42	173.75										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+250.00



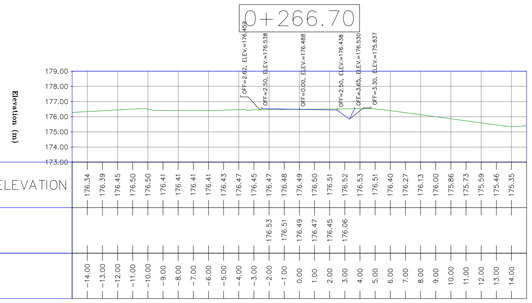
NATURAL GROUND ELEVATION	174.20	174.16	174.07	173.91	173.69	173.47	173.30	173.27	173.23	173.19	173.36	173.84	173.47	173.10	172.96	172.88	172.80	172.73	172.69	172.68	172.80	173.05	173.32	173.82	174.25	174.24	174.24	174.23
PROJECT ELEVATION										173.64	174.30	174.97	175.29	175.27	175.25	175.23	175.21	174.87	174.20	173.54	172.87							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+260.00



NATURAL GROUND ELEVATION	175.49	175.54	175.59	175.53	175.33	175.12	174.91	174.70	174.49	174.37	174.39	174.39	174.53	174.49	174.35	174.21	174.07	173.95	174.04	174.12	174.21	174.21	174.28	174.20	174.13	174.06	173.98	174.11	174.27	174.24
PROJECT ELEVATION											175.01	175.67	176.00	175.98	175.96	175.94	175.92	175.57	174.91	174.24										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+266.70



NATURAL GROUND ELEVATION	176.34	176.39	176.45	176.50	176.50	176.41	176.41	176.41	176.43	176.47	176.45	176.47	176.48	176.49	176.50	176.51	176.52	176.53	176.51	176.40	176.27	176.13	176.00	175.86	175.73	175.59	175.46	175.35
PROJECT ELEVATION											176.53	176.51	176.49	176.47	176.45	176.06												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

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
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
RETAINING WALL
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-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
PVI= POINT OF VRTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
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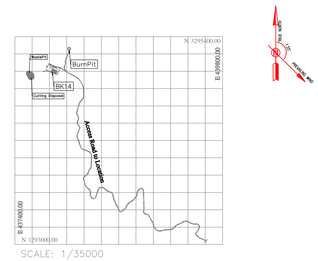
KEY PLAN



SCALE: 1/35000

D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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.

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

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N.I.S.O.C./ FIELDS

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 (PEDCO)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

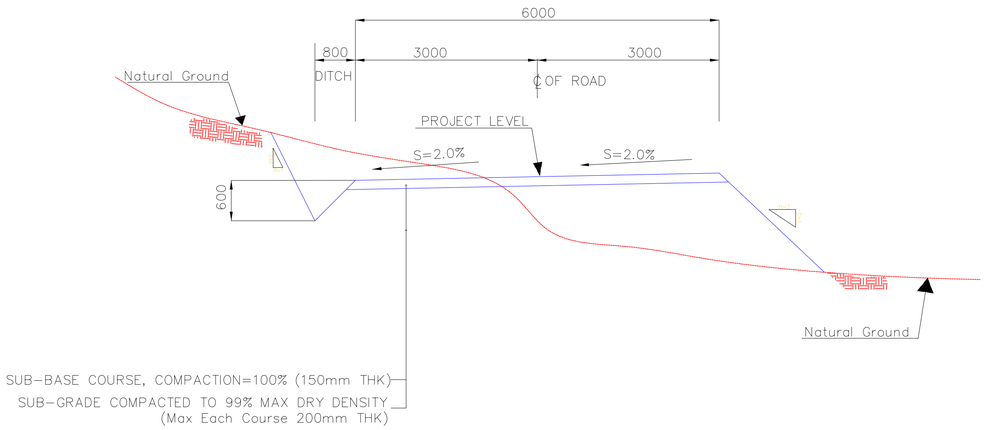
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

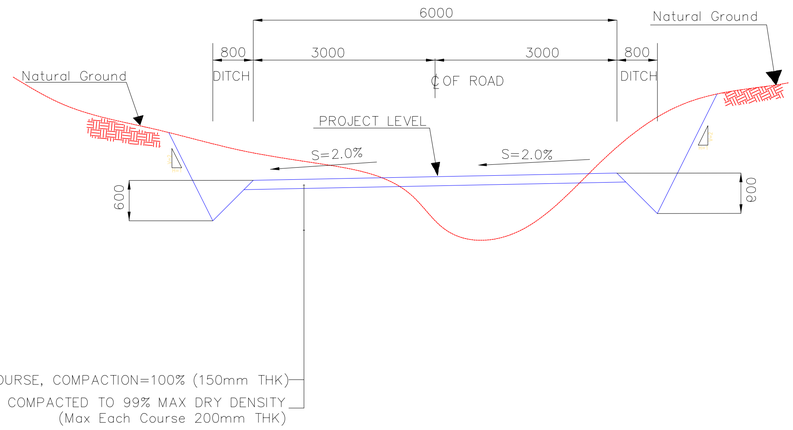
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

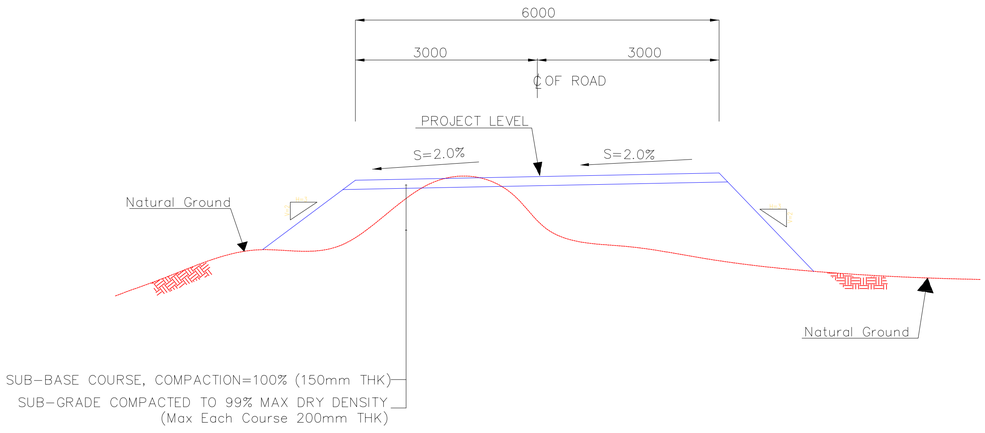
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

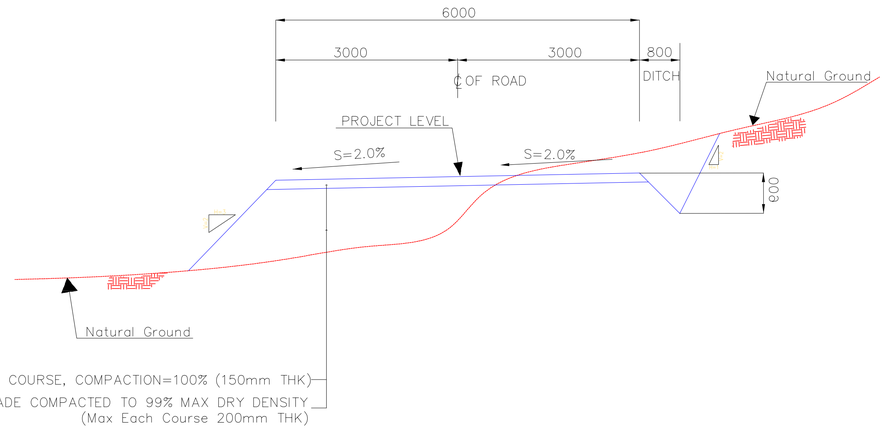
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	97 OF 98	D05

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	97	D05









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.
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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	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	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
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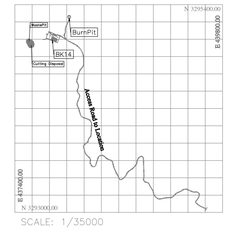
KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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D05	JUL.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**.**
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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 (PEDCO)

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	98 OF 98	D05

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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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	98	D05