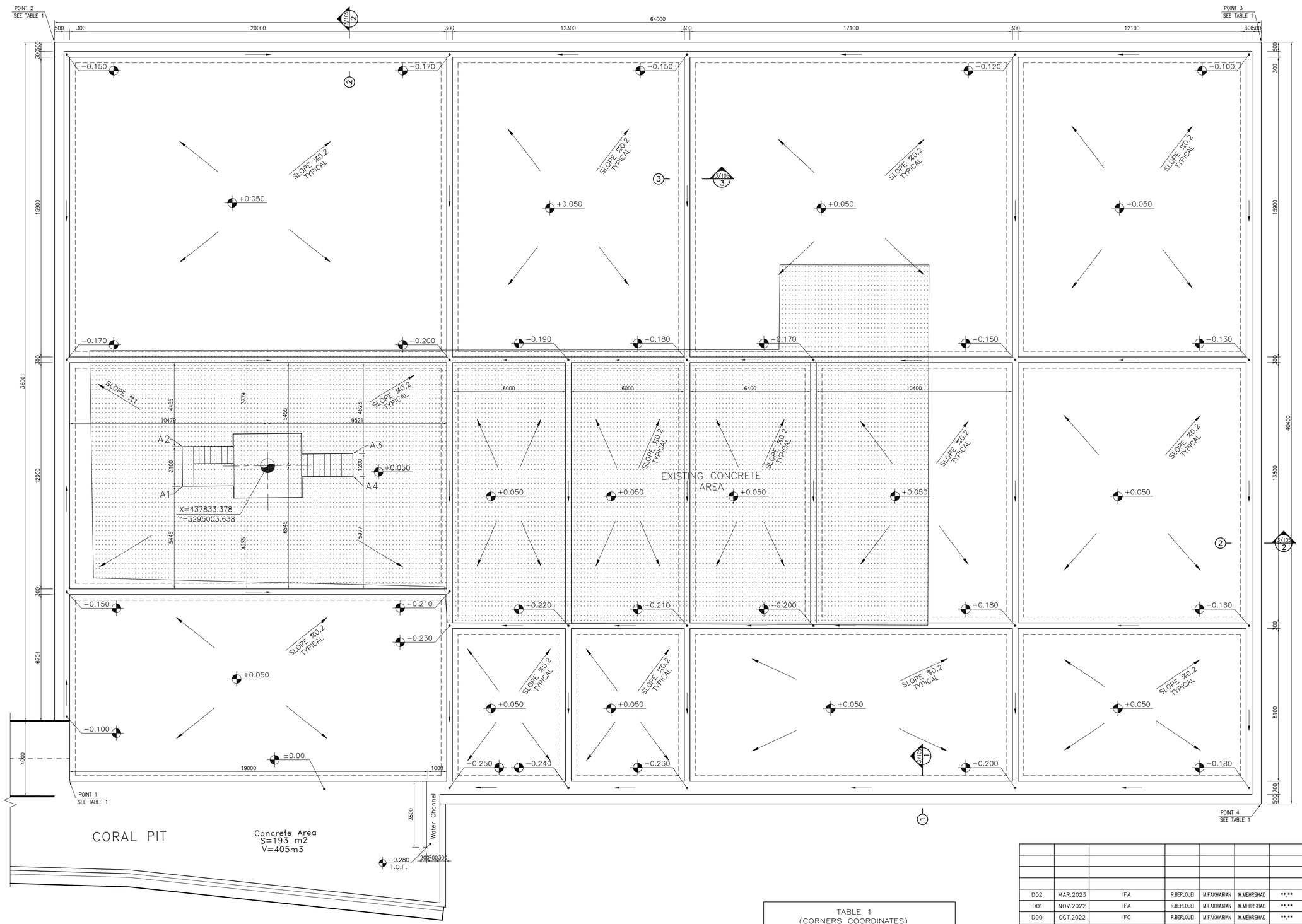

NOTES

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3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
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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/cm^3
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.
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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

±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

REFERENCE DRAWING	DRG. No.
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ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
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KEY PLAN

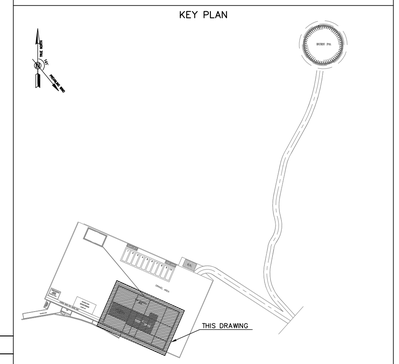

TABLE 1
(CORNERS COORDINATES)

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

D02

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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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 WELLPAD FOUNDATION FORMWORK PLAN

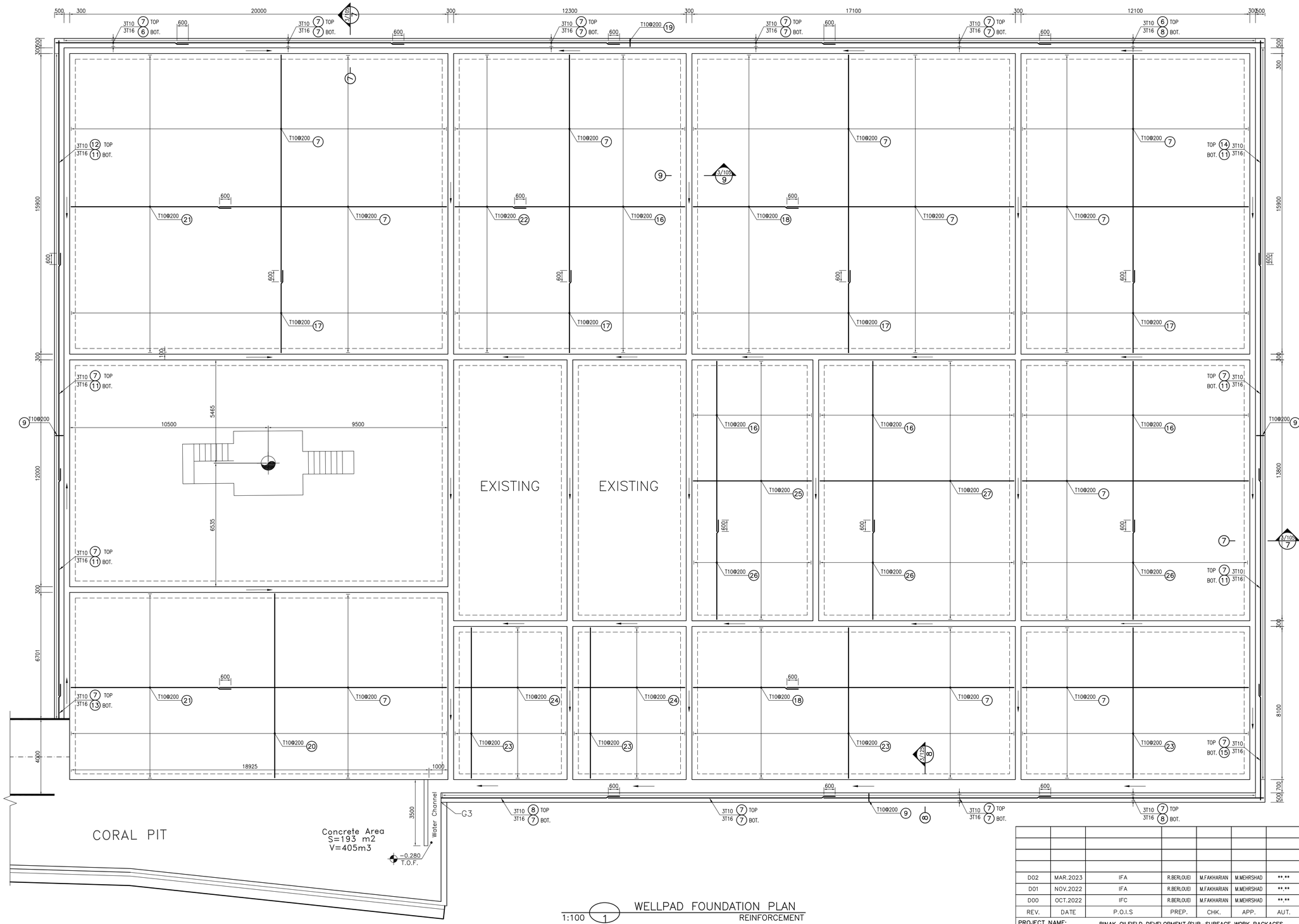
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	1 OF 103	D02

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	D02



WELLPAD FOUNDATION PLAN
REINFORCEMENT
1:100 1

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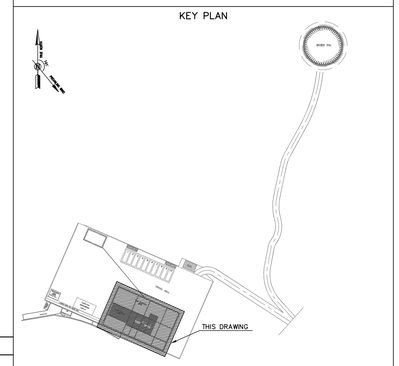
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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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
WELLPAD FOUNDATION REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	2 OF 103	D02

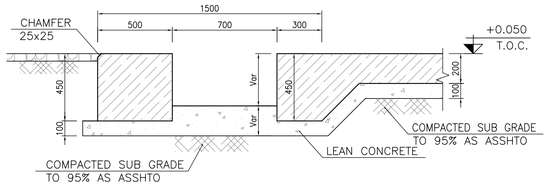
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

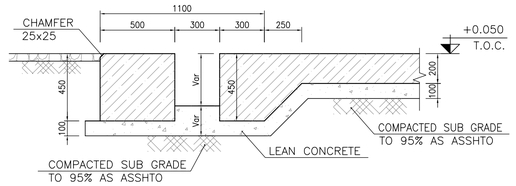
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

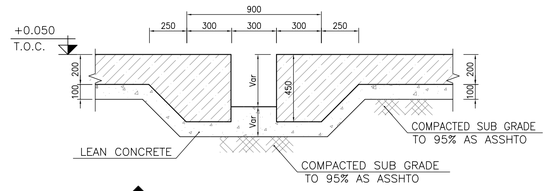
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	2	D02



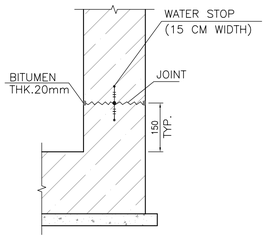
1/105 TYPICAL CHANNEL SECTION
1:20 1 IN BOUNDARY SIDE



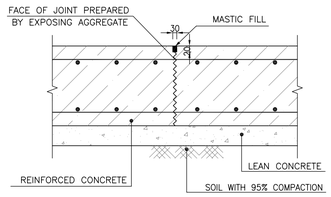
1/105 TYPICAL CHANNEL SECTION
1:20 2 IN BOUNDARY SIDE



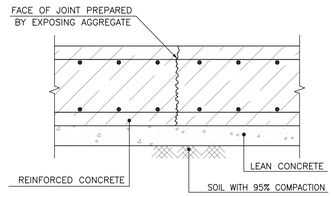
1/105 TYPICAL CHANNEL SECTION
1:20 3 IN MIDDLE SIDE



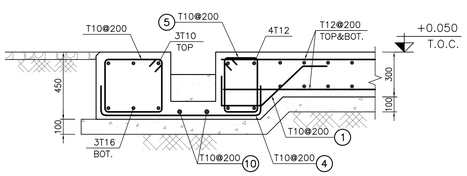
TYPICAL DETAIL OF WATER STOP
N.T.S. 4



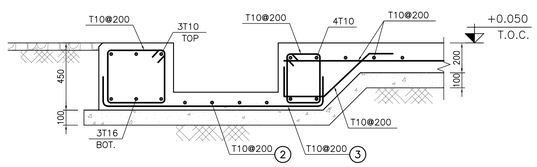
TYPICAL CONTRACTION JOINT
N.T.S. 5 EVERY 6000



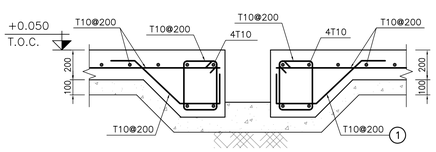
TYPICAL CONSTRUCTION JOINT
N.T.S. 6



2/105 TYPICAL CHANNEL SECTION
1:20 7



1/105 TYPICAL CHANNEL SECTION
1:20 8 IN BOUNDARY SIDE



3/105 TYPICAL CHANNEL SECTION
1:20 9 IN MIDDLE SIDE

Pos	Spec.	Shape	L/A	No.	T10	T16
1	T10	80 300 60 150	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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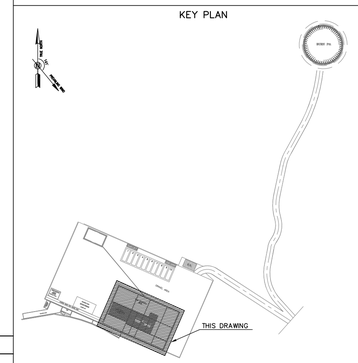

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
PROJECT NO.: 971020

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

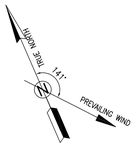
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

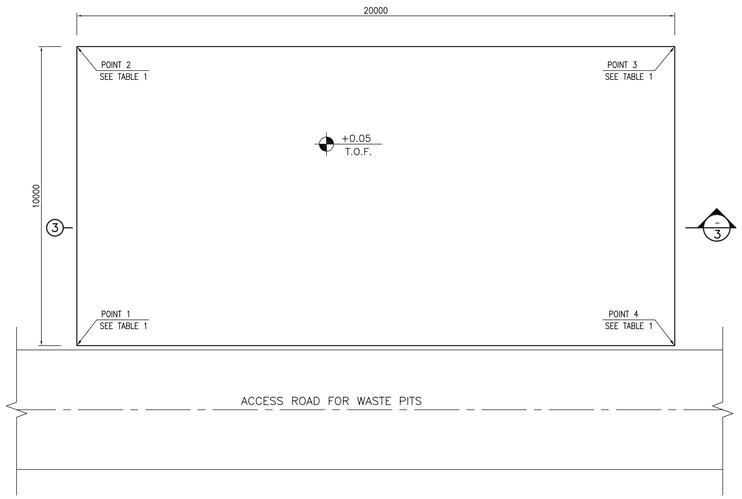
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

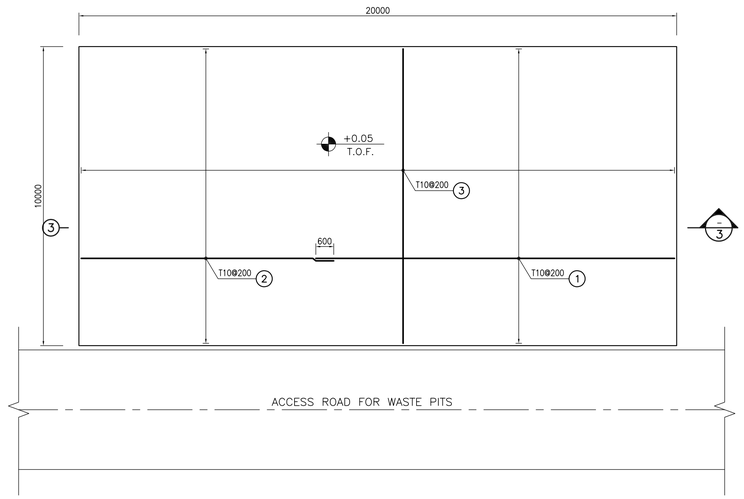
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:

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	3 OF 103	D02	053-073-9184	F	4	S	708209	3	D02



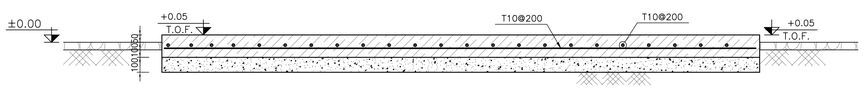


1:100 (2) DEWATERING PLAN FORMWORK



1:100 (2) DEWATERING PLAN REINFORCEMENT

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



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.

D02

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/cm^3
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.
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

±0.00 = +186.00(R.G.L.)MSL

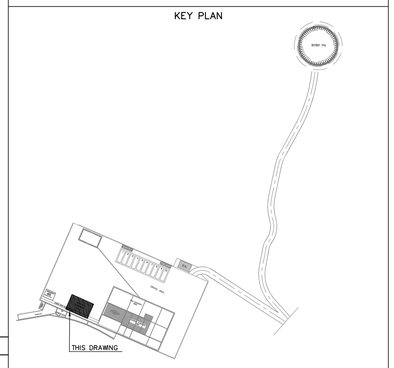
LEGEND AND ABBREVIATION

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

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.
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	DATE	REV. APPR. 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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	4 OF 103	D02

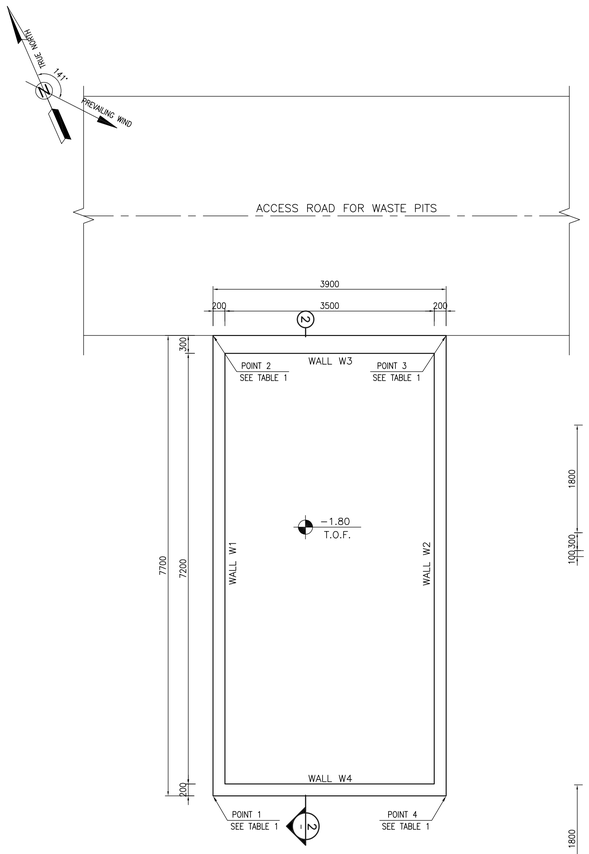
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

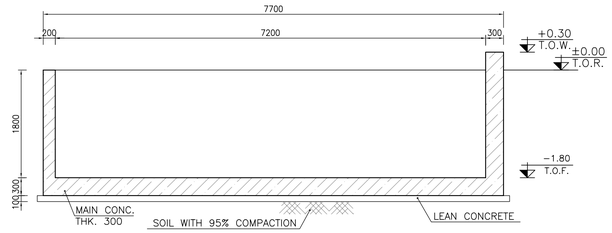
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

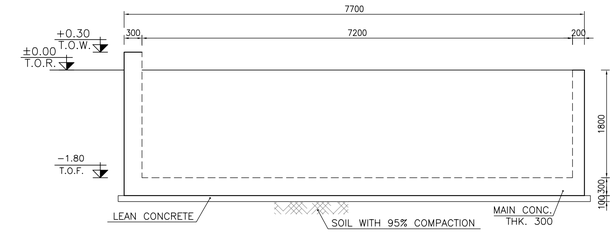
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	4	D02



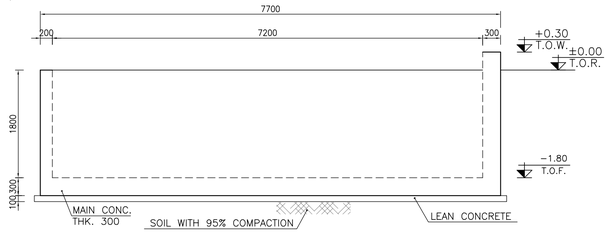
1:50 (1) CUTTING DISPOSAL PLAN



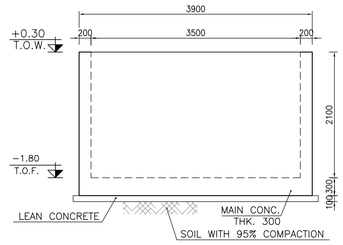
1:50 (2) FORMWORK



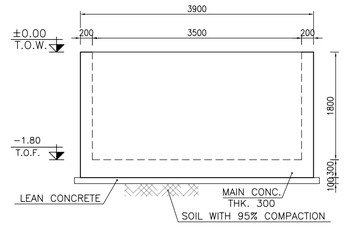
1:50 (3) WALL W1 FORMWORK



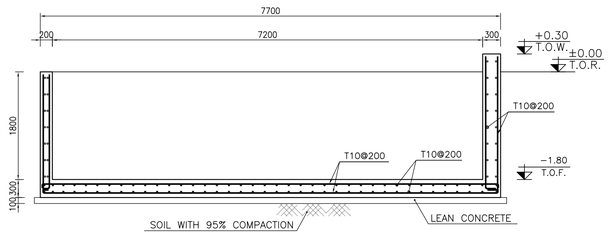
1:50 (4) WALL W2 FORMWORK



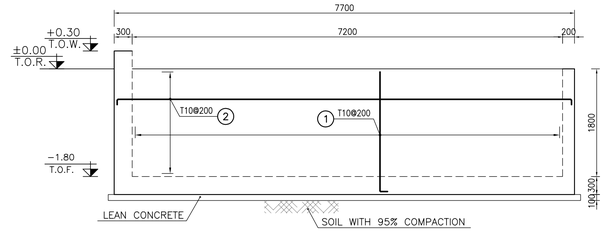
1:50 (5) WALL W3 FORMWORK



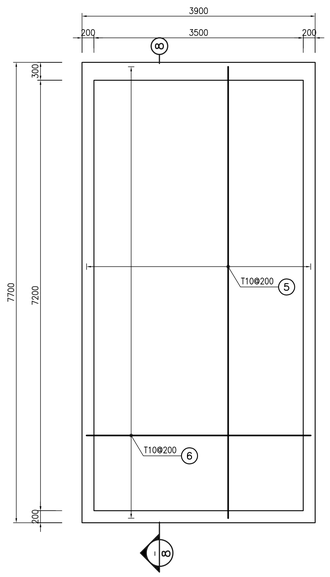
1:50 (6) WALL W4 FORMWORK



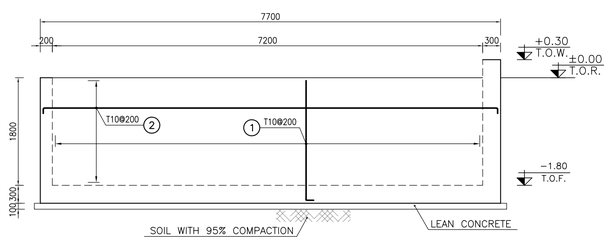
1:50 (8) REINFORCEMENT



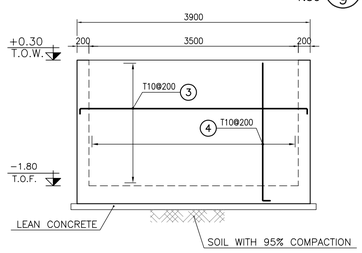
1:50 (9) WALL W1 REINFORCEMENT



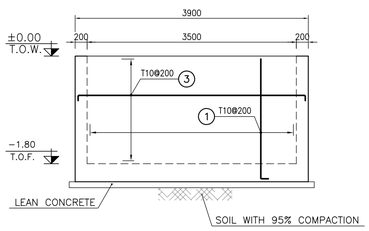
1:50 (7) CUTTING DISPOSAL PLAN REINFORCEMENT



1:50 (10) WALL W2 REINFORCEMENT



1:50 (11) WALL W3 REINFORCEMENT



1:50 (12) WALL W4 REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 2000	2.200	186	409.200
2	T10	200 7600 200	8.000	40	320.000
3	T10	200 3800 200	4.200	44	184.800
4	T10	200 2300	2.500	38	95.000
5	T10	7550	7.550	20	151.000
6	T10	3750	3.750	39	146.250
TOTAL LENGTH OR AREA (m/m2)					1306.25
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					805.96
GRAND TOTAL (Kg)					806 Kg.

D02

NOTES

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2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
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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)
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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.
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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

±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

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
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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

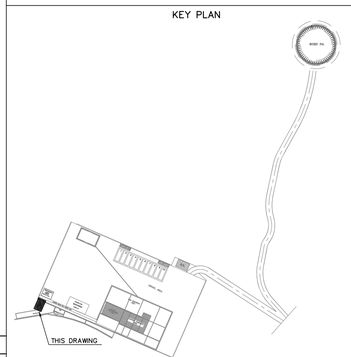


TABLE 1
(CORNERS COORDINATES)

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

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

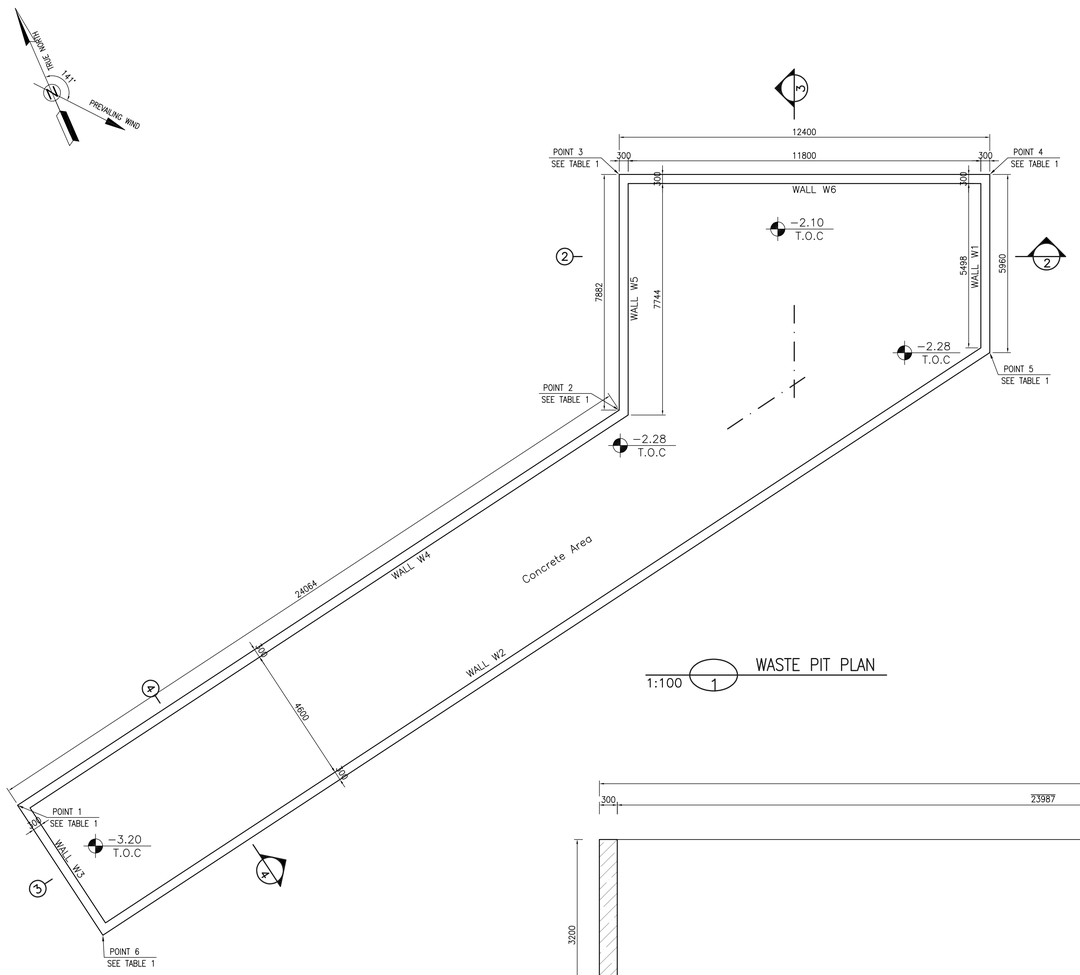
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

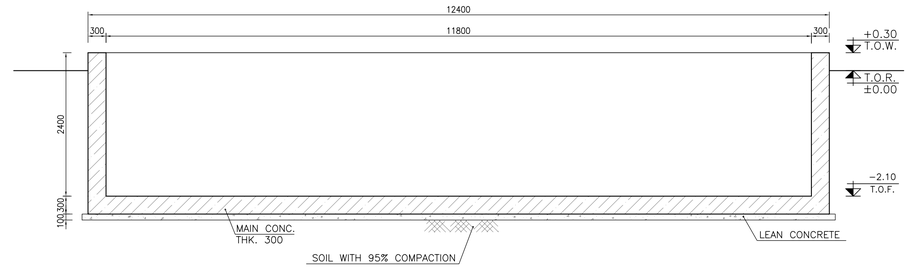
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:

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	5 OF 103	D02	053-073-9184	F	4	S	708209	5	D02

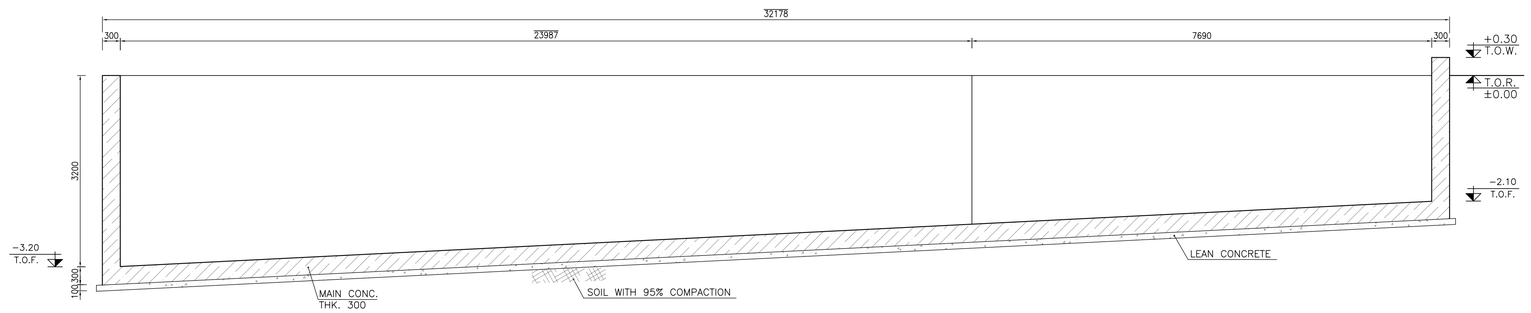


WASTE PIT PLAN

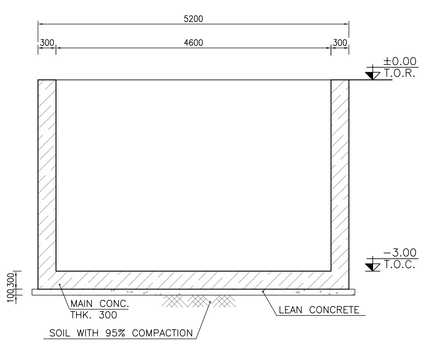
1:100 1



1:50 2 FORMWORK



1:50 3 FORMWORK



1:50 4 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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7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, 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
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.
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

±0.00 = +186.00(R.G.L.)MSL

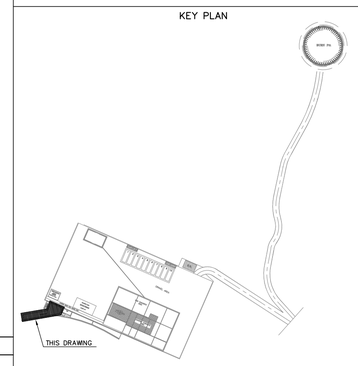
LEGEND AND ABBREVIATION

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

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.
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 WASTE PIT PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	6 OF 103	D02

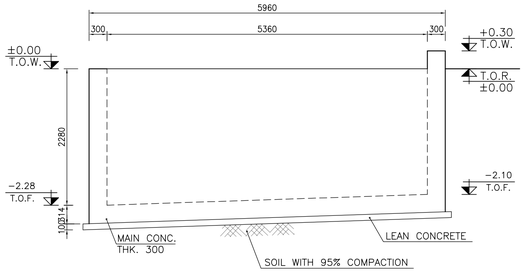
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

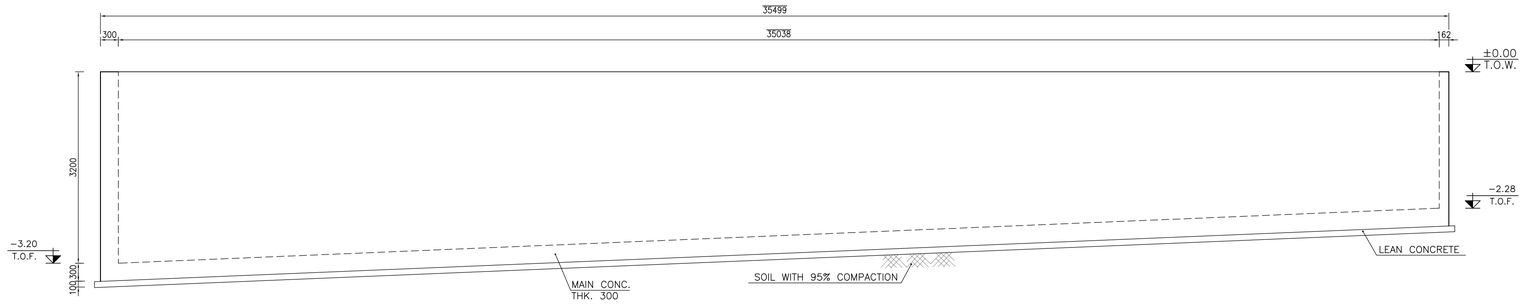
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	6	D02



WALL W1 FORMWORK 1:50 (1)



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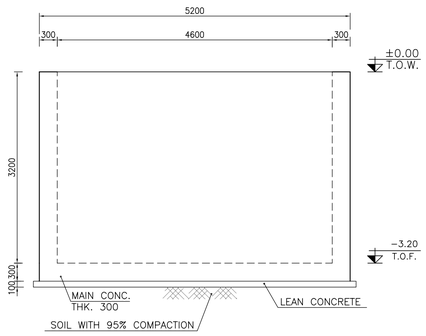

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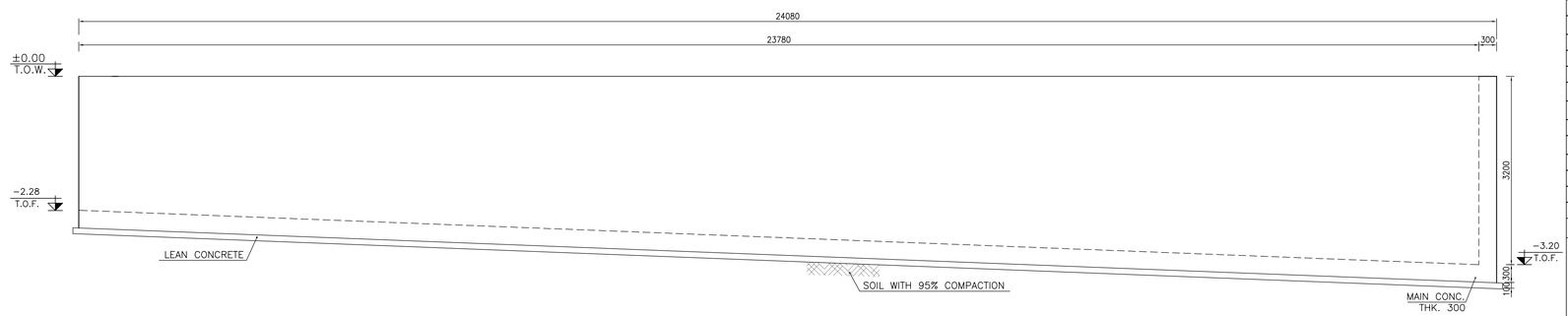
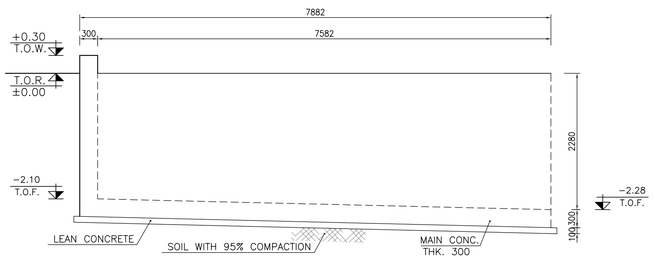
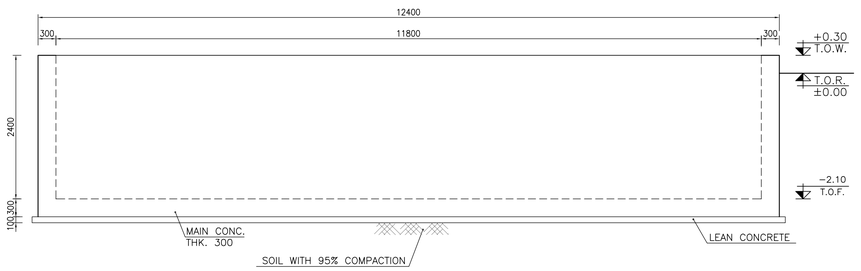


WALL W4 FORMWORK 1:50 (4)



WALL W5 FORMWORK 1:50 (5)



WALL W6 FORMWORK 1:50 (6)

D02

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/cm^3
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.
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

±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

REINFORCED CONCRETE
LEAN CONCRETE
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SUB GRADE
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EXISTING CONCRETE AREA

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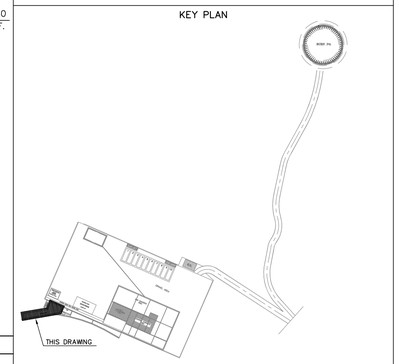
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN



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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

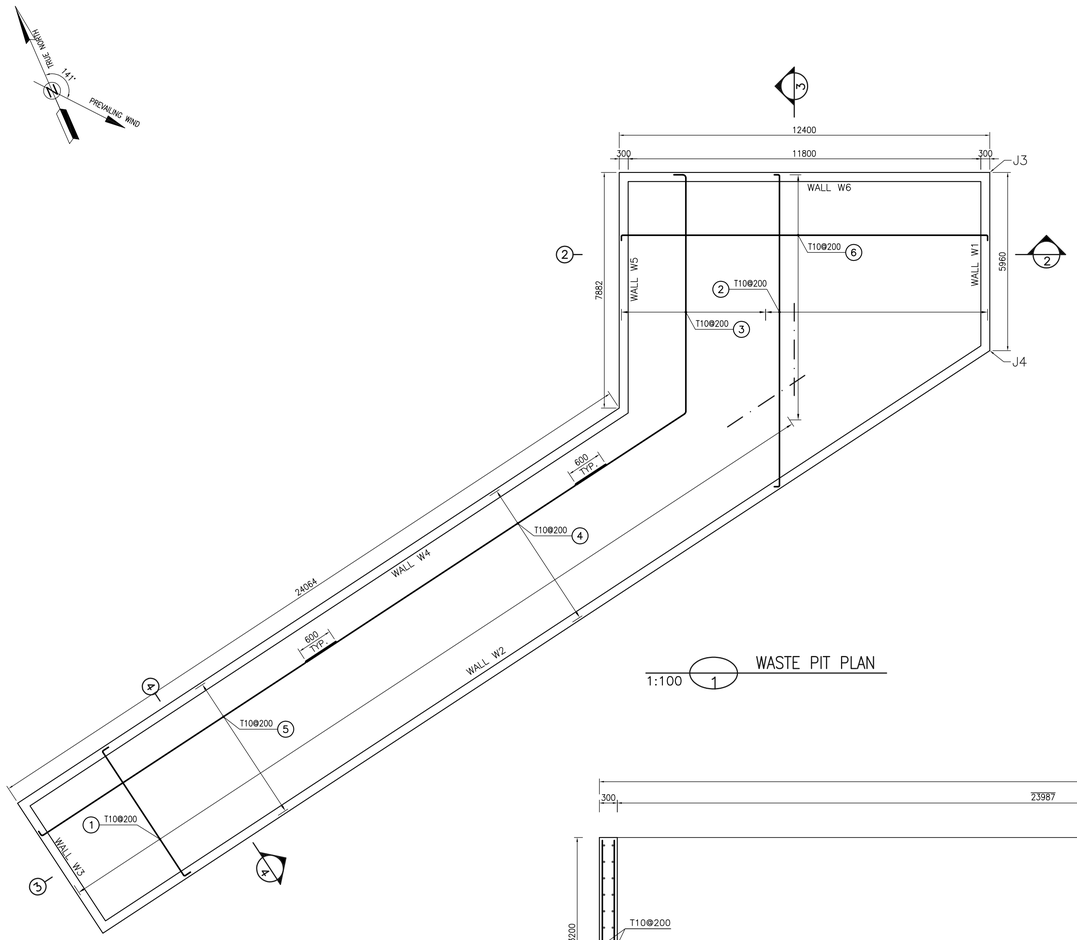
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

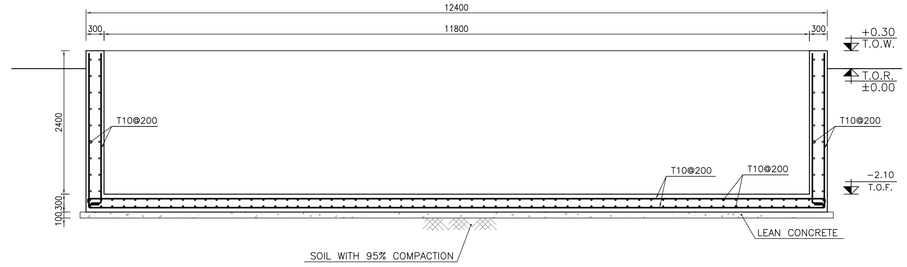
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
WALL FORMWORK PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	7 OF 103	D02

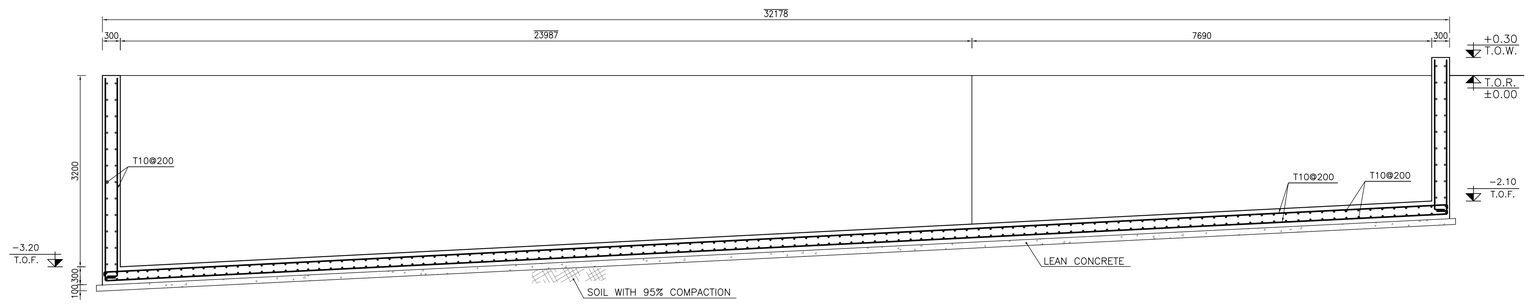
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	7	D02



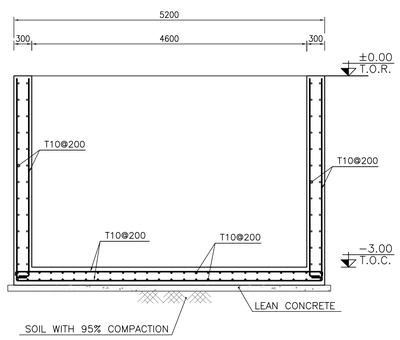
1:100 (1) WASTE PIT PLAN



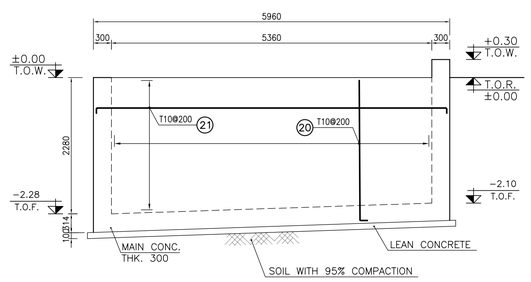
1:50 (2) FORMWORK



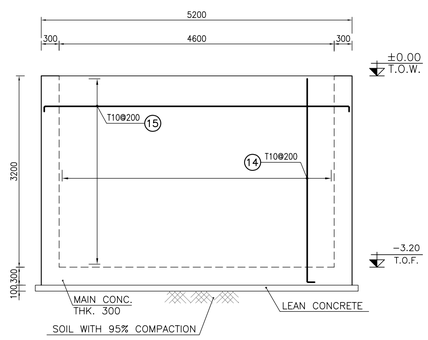
1:50 (3) FORMWORK



1:50 (4) FORMWORK



1:50 (5) WALL W1 FORMWORK



1:50 (6) WALL W3 FORMWORK

D02

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.
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VERTICAL DATUM:	MSL

±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

REINFORCED CONCRETE
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
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EXISTING CONCRETE AREA

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ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
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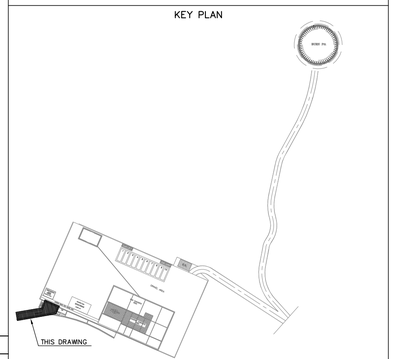
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

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	8 OF 103	D02

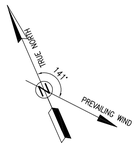
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

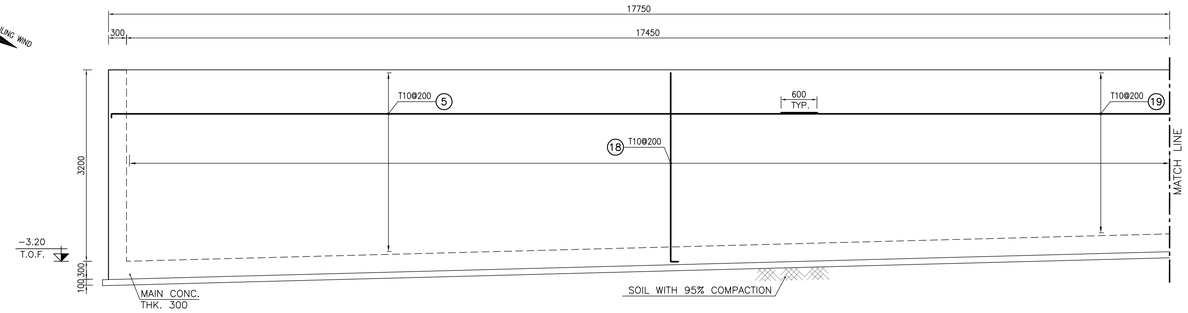
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

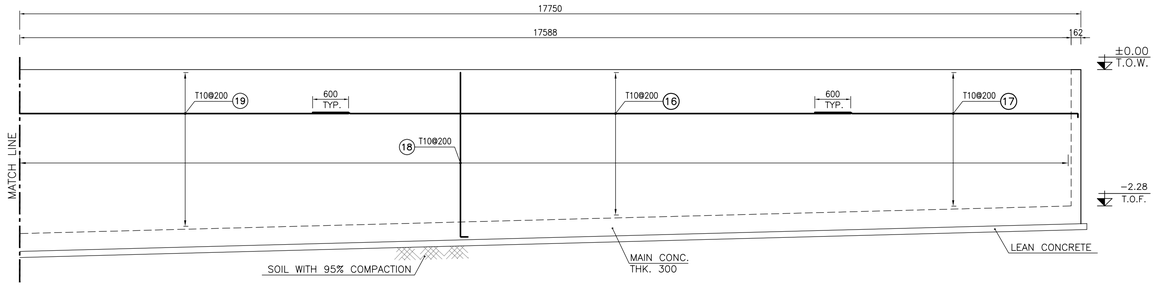
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	8	D02







1:50 (1) WALL W2 FORMWORK

Pos	Spec.	Shape	L/A	No.	T10
1	T10	5400	5.400	290	1566.000
2	T10	200 10250 200	10.650	78	830.700
3	T10	150 11850	12.000	54	648.000
4	T10	12000	12.000	54	648.000
5	T10	200 VAR	VAR	112	1344.000
6	T10	200 VAR 200	VAR	120	984.000
7	T10	200 5100	5.300	26	137.800
8	T10	200 2600	2.800	124	347.200
9	T10	200 7800	8.000	26	208.000
10	T10	200 VAR	VAR	54	145.800
11	T10	200 VAR	VAR	240	828.000
12	T10	VAR	VAR	30	180.000
13	T10	200 7400	7.600	34	258.400
14	T10	200 3400	3.600	48	172.800
15	T10	200 5100 200	5.500	34	187.000
16	T10	VAR	VAR	26	234.000
17	T10	200 4400	4.600	26	119.600
18	T10	200 VAR	VAR	352	1249.600
19	T10	VAR	VAR	30	360.000
20	T10	200 2200	2.400	56	134.400
21	T10	200 5900 200	6.300	24	151.200
TOTAL LENGTH OR AREA (m/m2)					10734.10
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					6622.94
GRAND TOTAL (Kg)					6600 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/cm^3
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.
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

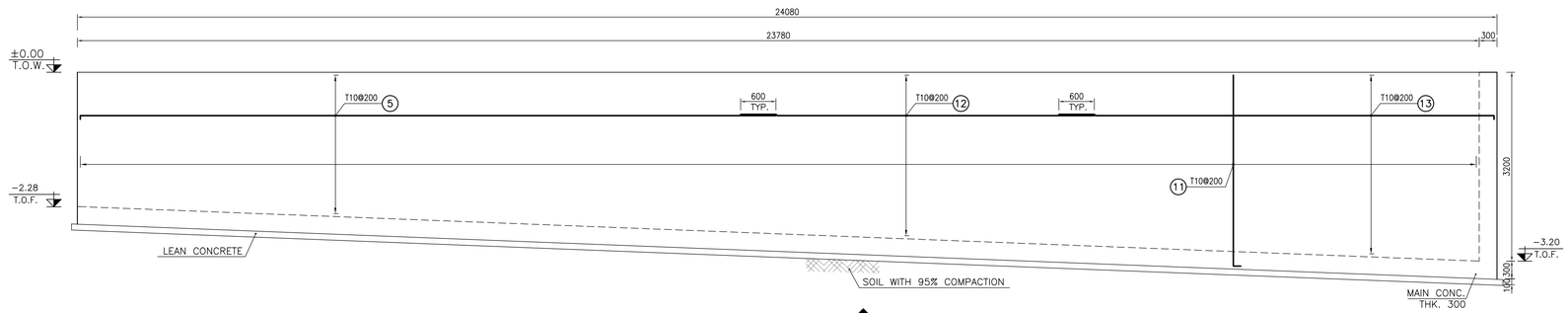
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

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

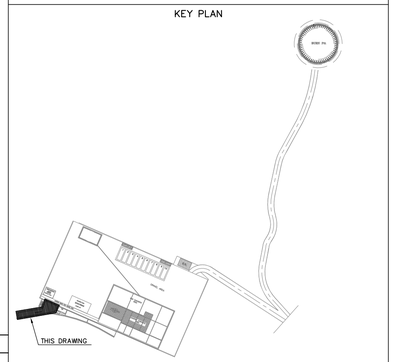
T.O.F.	TOP OF FOUNDATION
T.O.W.	TOP OF WALL
T.O.C.	TOP OF CONCRETE
T.O.PIT	TOP OF PIT
B.O.P.	BOTTOM OF PIPE
R.G.L.	ROUGH GRADING LEVEL

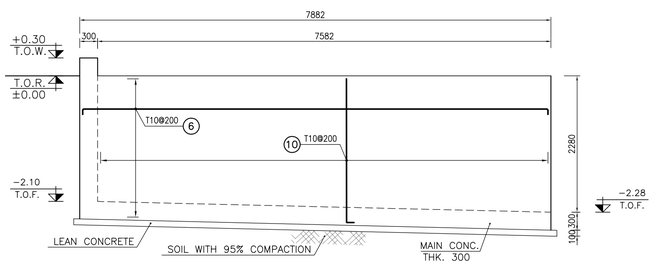
REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRAL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0012
GENERAL 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



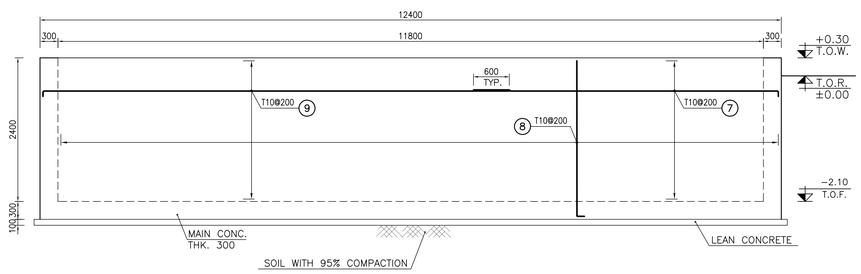
1:50 (2) WALL W4 FORMWORK

KEY PLAN





1:50 (3) WALL W5 FORMWORK



1:50 (4) WALL W6 FORMWORK

D02

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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 WALL REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	9 OF 103	D02

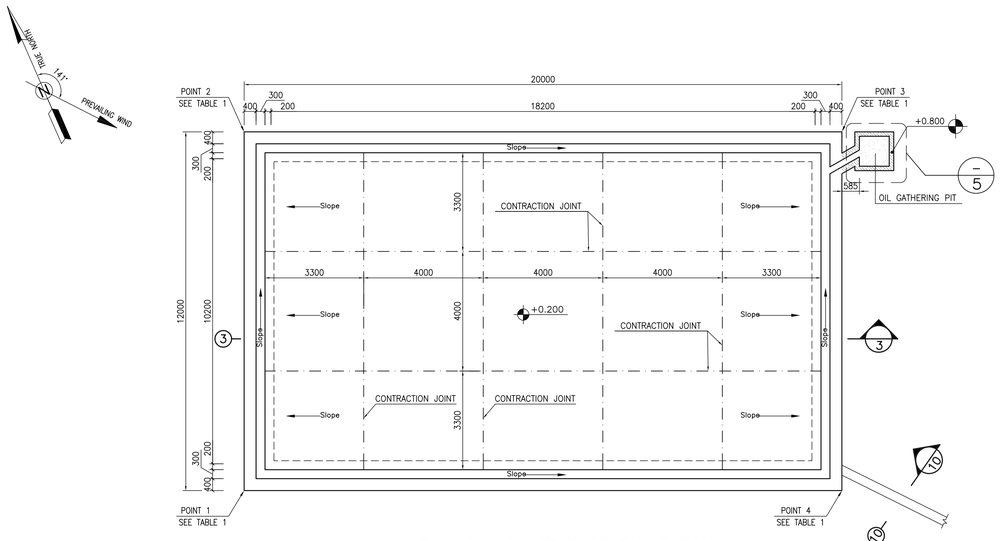
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

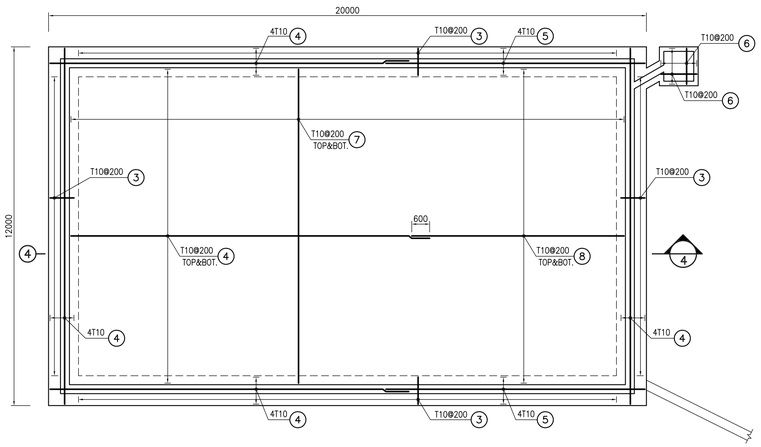
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

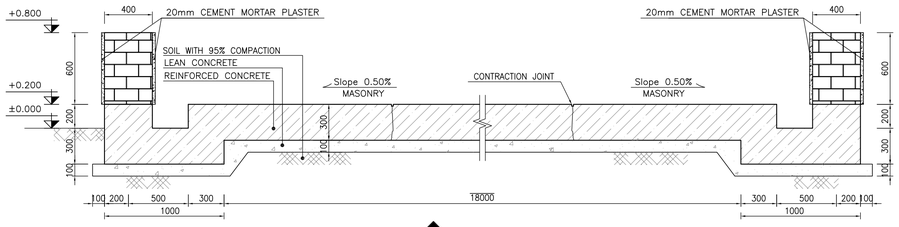
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	9	D02



GAS OIL STORAGE FOUNDATION
1:100 (1) FORMWORK



GAS OIL STORAGE FOUNDATION
1:100 (2) REINFORCEMENT



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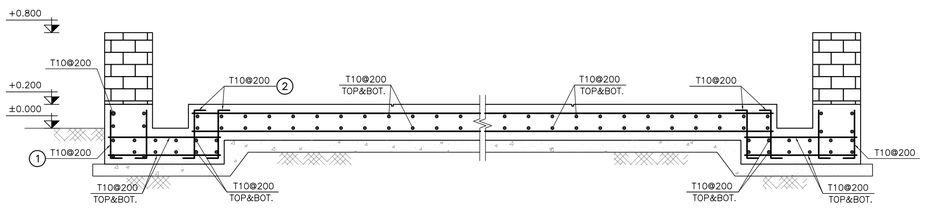
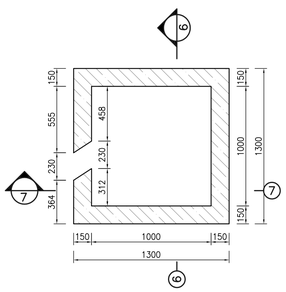
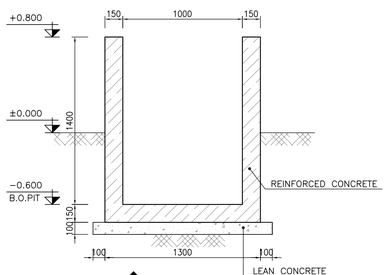


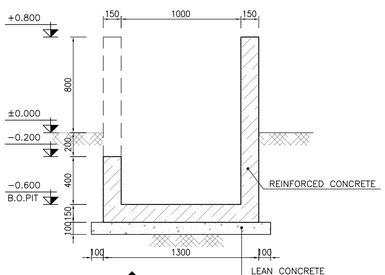
1:25 (4) REINFORCEMENT



1:25 (5) OIL GATHERING PIT



1:25 (6) FORMWORK



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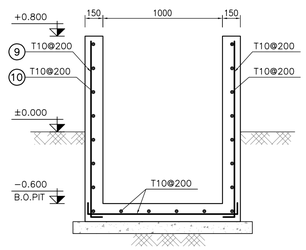

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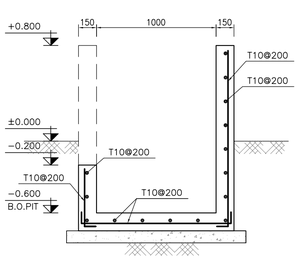
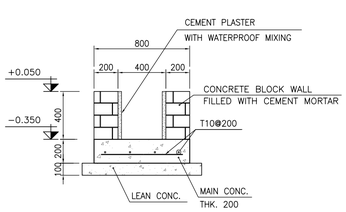


1:25 (9) REINFORCEMENT



1:25 (10) TYPICAL SECTION OF PIPE TRENCH

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

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 400	0.600	640	384.000
2	T10	100 400 100	0.600	640	384.000
3	T10	800	0.800	388	310.400
4	T10	12000	12.000	124	1488.000
5	T10	8700	8.700	8	69.600
6	T10	1200	1.200	14	16.800
7	T10	10500	10.500	188	1974.000
8	T10	7150	7.150	108	772.200
9	T10	200 1500	1.700	22	37.400
10	T10	200 1200 200	1.600	36	57.600
TOTAL LENGTH OR AREA (m/m2)					5494.00
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					3389.80
GRAND TOTAL (Kg)					3390 Kg.

NOTES

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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)
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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
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SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
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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

±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

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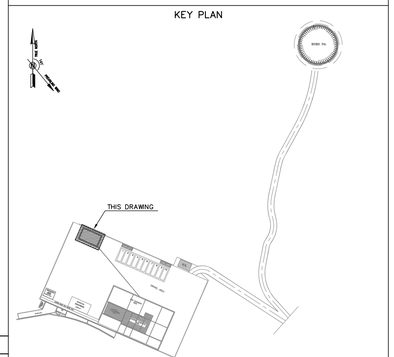
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN



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

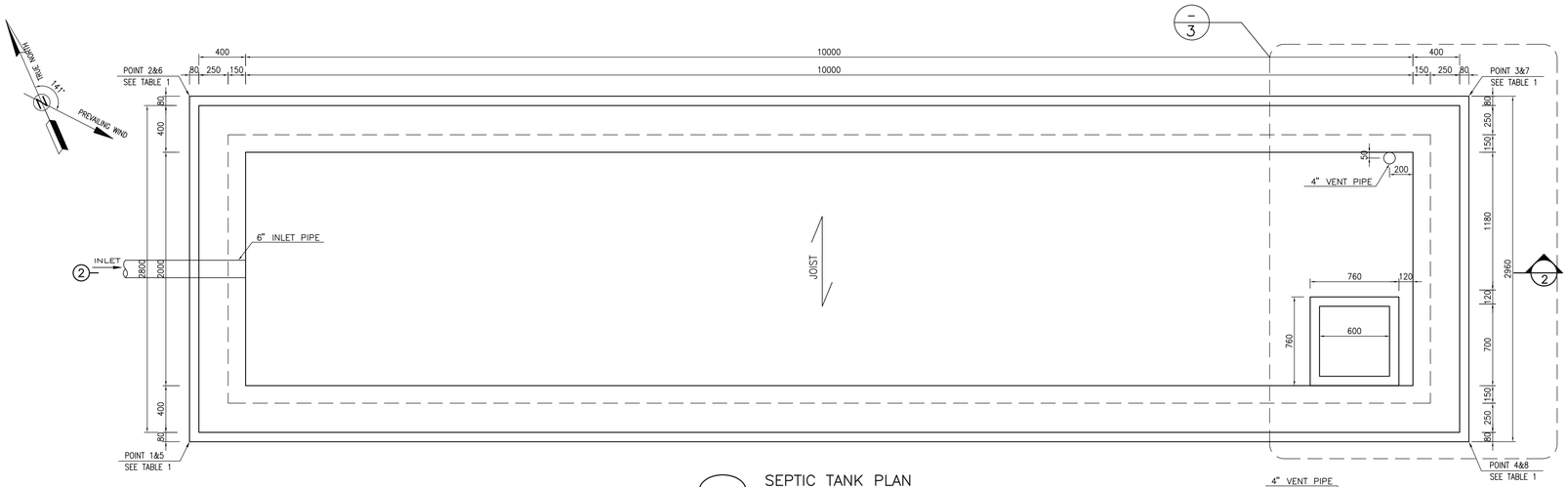
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

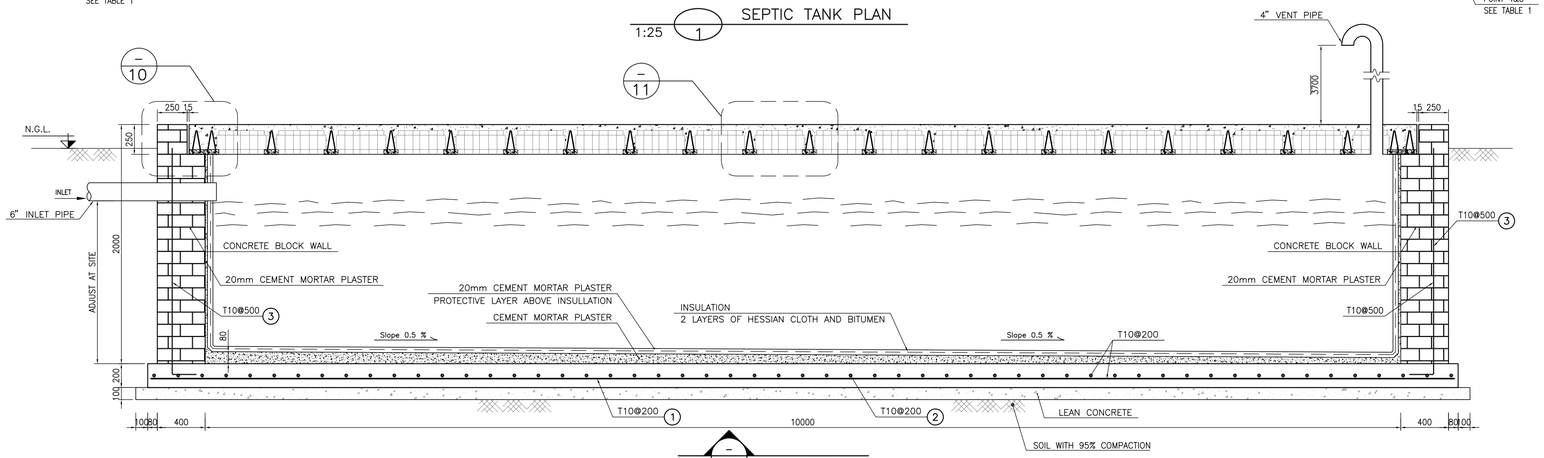
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
GAS OIL PAD FORMWORK & REINFORCEMENT PLAN-SECTION

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	10 OF 103	D02	053-073-9184	F	4	S	708209	10	D02

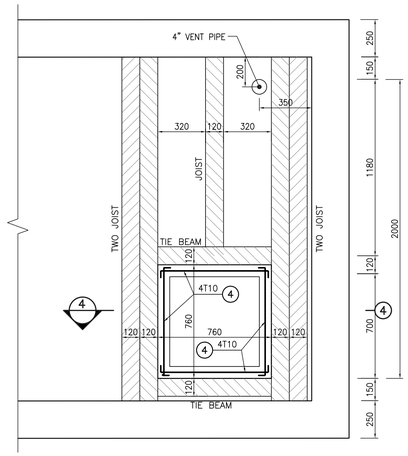


SEPTIC TANK PLAN
1:25 (1)



1:25 (2) FORMWORK REINFORCEMENT

TABLE 1 (CORNERS COORDINATES)		
POINT 1	E=437839.49	N=3295065.88
POINT 2	E=437840.67	N=3295068.60
POINT 3	E=437850.72	N=3295064.22
POINT 4	E=437849.54	N=3295061.51
POINT 5	E=437876.16	N=3295049.89
POINT 6	E=437877.34	N=3295052.61
POINT 7	E=437887.39	N=3295048.23
POINT 8	E=437886.21	N=3295045.52



1:20 (3)

NOTES

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SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
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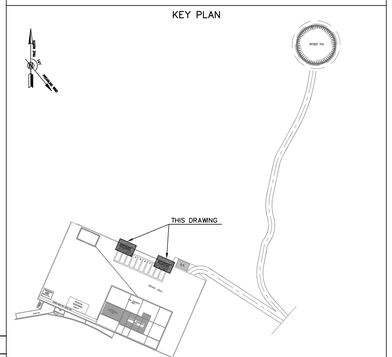
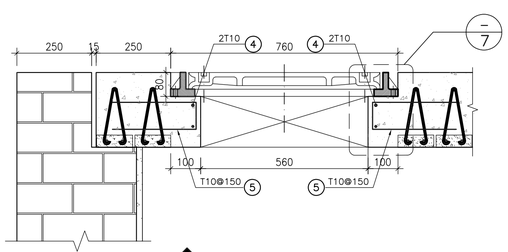
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN





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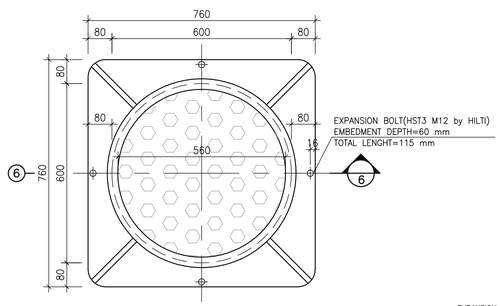
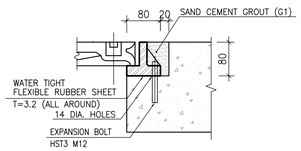
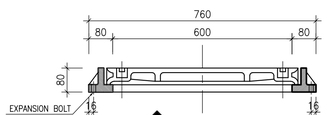


1:10 (5) DUCTILE IRON DETAIL
HEAVY DUTY DUCTILE IRON COATED FLAT COVERS AND FRAMES



N.T.S. (7)



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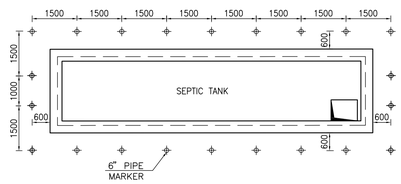
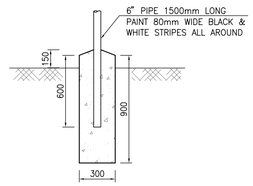
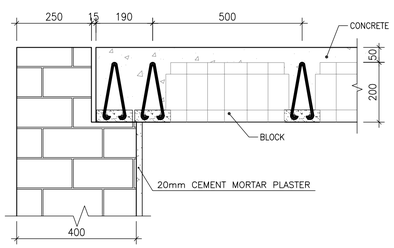


1:100 (8) ARRANGMENT OF MARKERS



1:25 (9) DETAIL OF MARKERS



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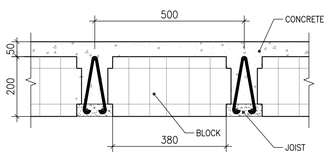
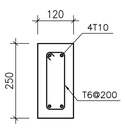
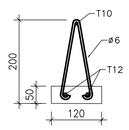


1:10 (11)



1:10 (12) TYPICAL SEC. OF TIE BEAM



1:10 (13) 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	18	50.40
3	T10		2.20	52	114.40
4	T10		0.90	8	7.20
5	T10		0.65	20	13.0
TOTAL LENGTH OR AREA (m/m2)					336.20
UNIT WEIGTH (Kg)					0.617
WEIGTH (Kg)					207.44
GRAND TOTAL (Kg)					210

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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
SEPTIC TANK FORMWORK & REINFORCEMENT PLAN-SECTION

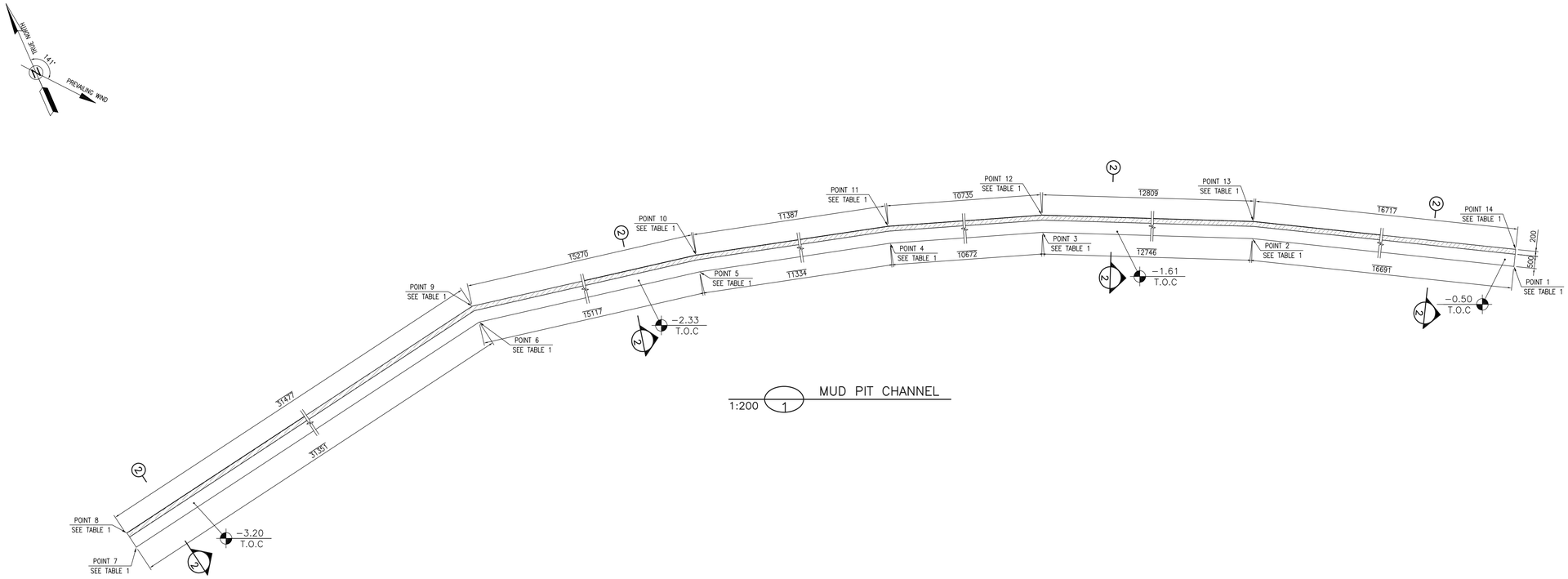
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	11 OF 103	D02

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

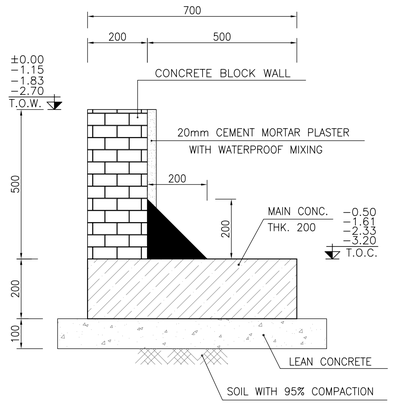
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

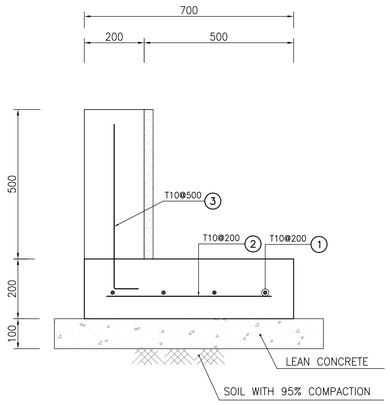
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	11	D02



1:200 (1) MUD PIT CHANNEL



1:10 (2) FORMWORK



1:10 (3) FORMWORK

NOTES

1- ALL COORDINATES ARE IN METER.
2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
4-ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa(ON CYLINDRICAL SPECIMEN)
5-ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa(ON CYLINDRICAL SPECIMEN)
6- REINFORCING BARS SHALL BE S400 ACCORDING TO: 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/cm^3
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.
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

±0.00 = +186.00(R.G.L.)MSL

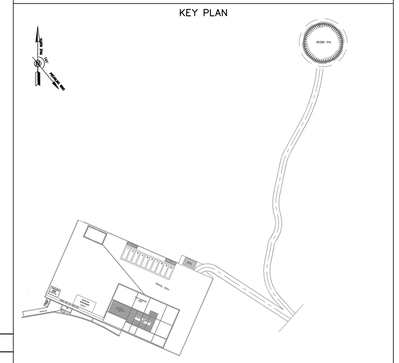
LEGEND AND ABBREVIATION

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

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

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



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.

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

D02

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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
WATER CHANNEL FORMWORK & REINFORCEMENT PLAN-SECTION

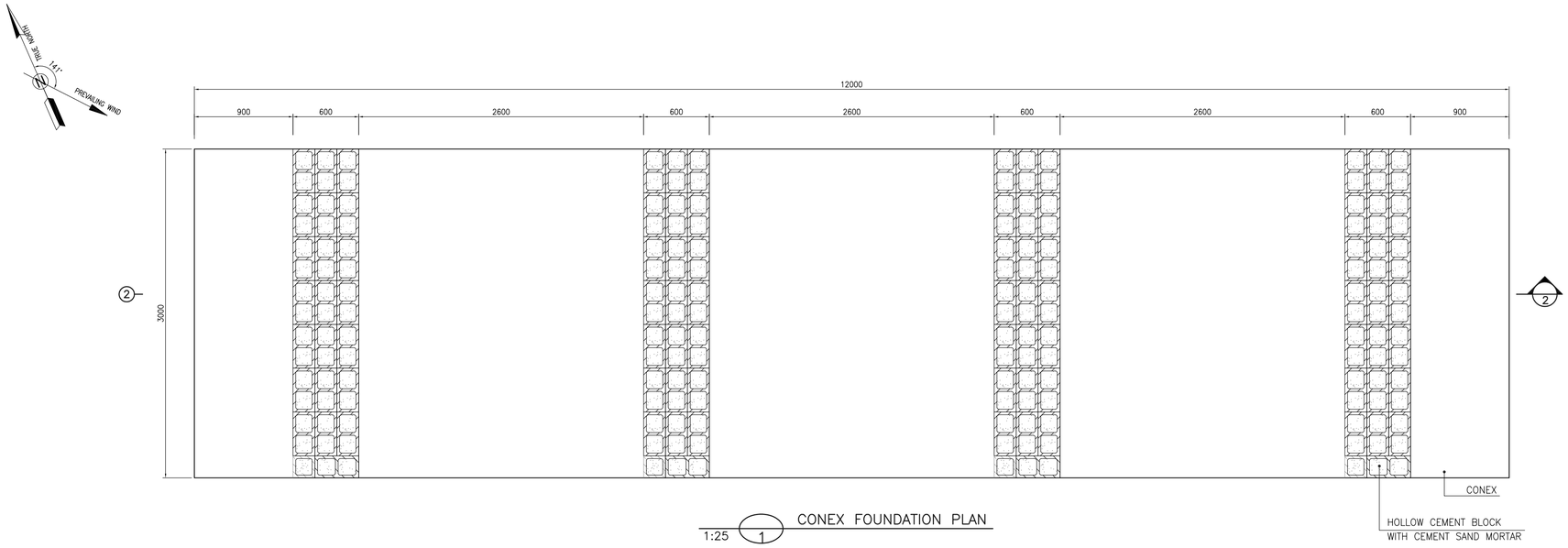
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	12 OF 103	D02

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

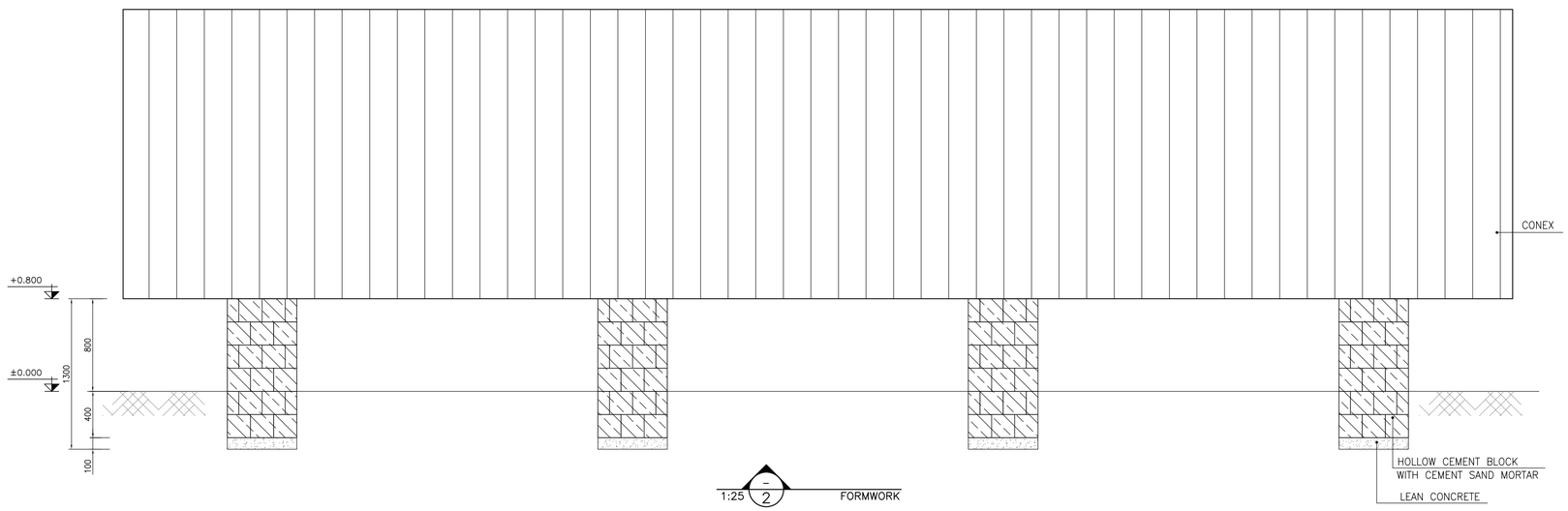
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	D02



1:25 (1) CONEX FOUNDATION PLAN



1:25 (2) FORMWORK

NOTES

1- ALL COORDINATES ARE IN METER.
2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
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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
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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

±0.00 = +186.00(R.G.L.)MSL

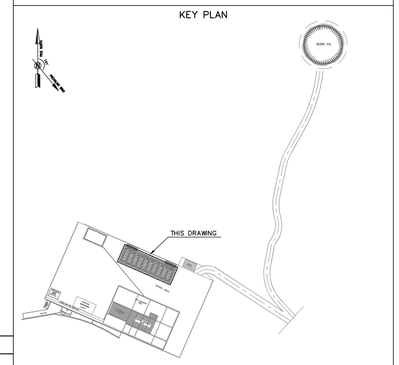
LEGEND AND ABBREVIATION

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

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.
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		REV. APPR. BY	
		BY	DATE	BY	DATE
***	**********	**.**	***.****	**.**	***.****

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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
CONEX FOUNDATION PLAN AND SECTION

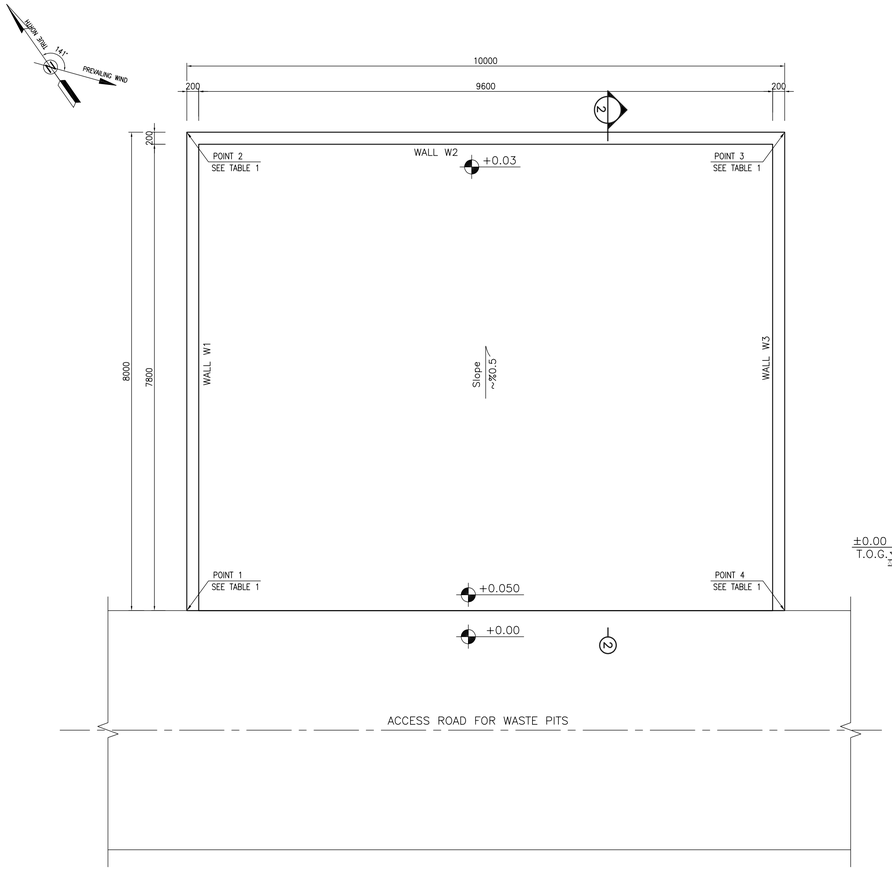
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

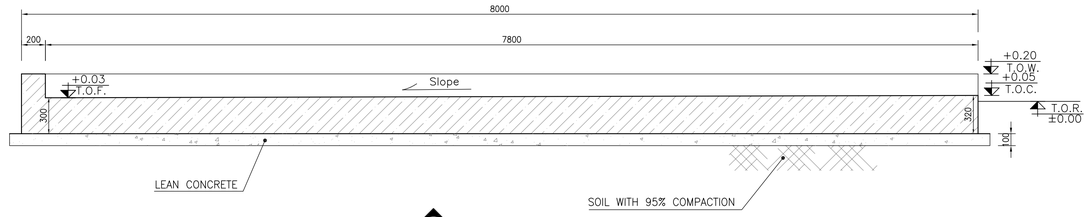
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

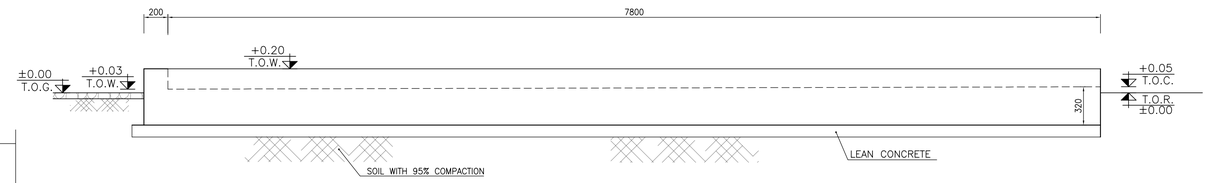
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	13 OF 103	D02	053-073-9184	F	4	S	708209	13	D02



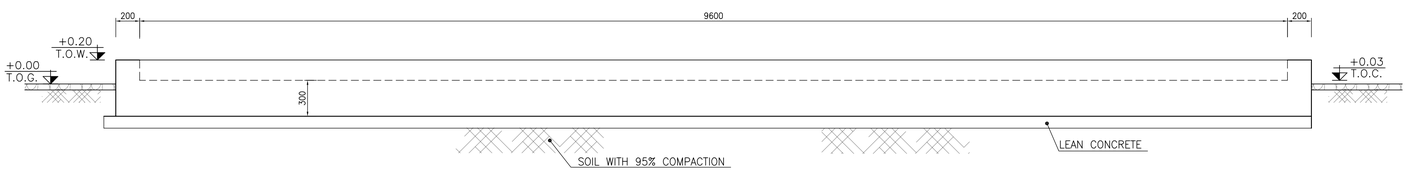
1:50 (1) TREATMENT PAD PLAN
FORMWORK



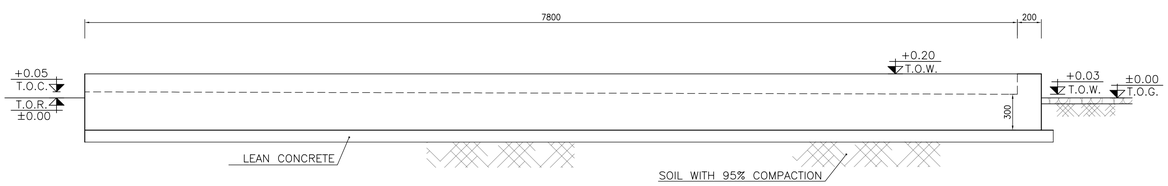
1:25 (2) FORMWORK



1:25 (4) WALL W1
FORMWORK



1:25 (3) WALL W2
FORMWORK



1:25 (5) WALL W3
FORMWORK

NOTES

1- ALL COORDINATES ARE IN METER.
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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.
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

±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

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

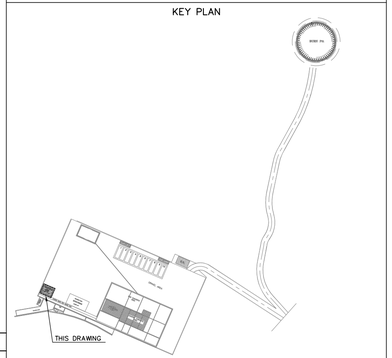


TABLE 1
(CORNERS COORDINATES)

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

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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
TREATMENT PAD FORMWORK - DETAIL & SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	14 OF 103	D02

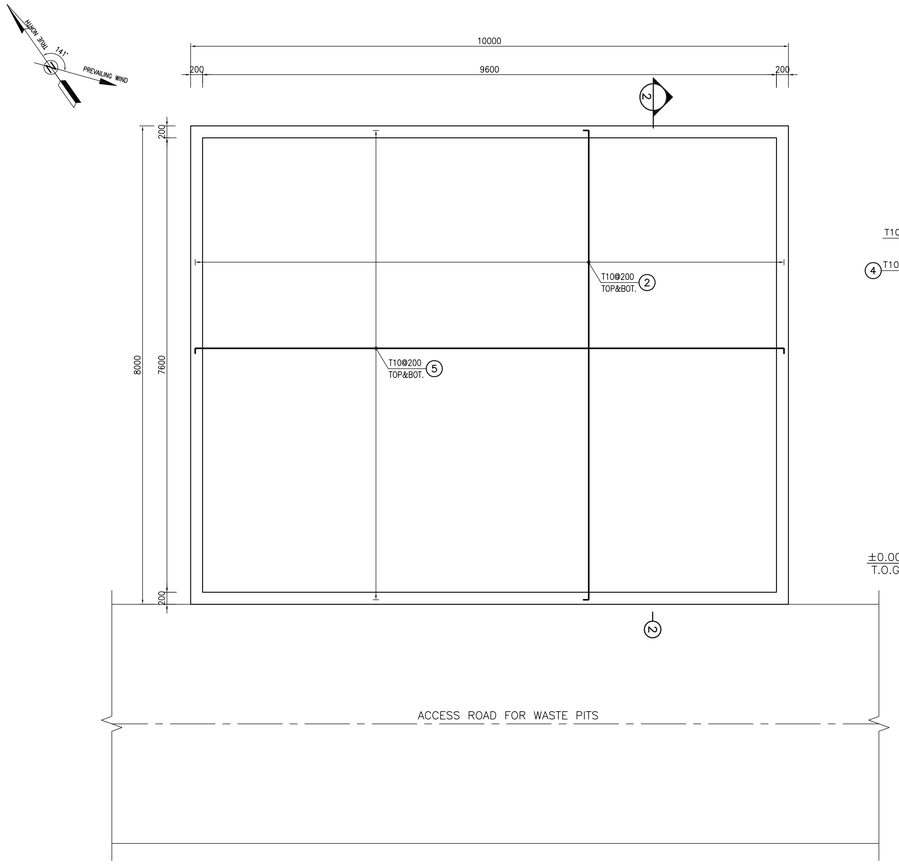
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

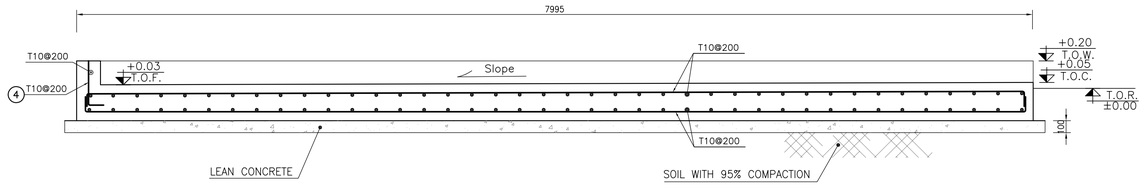
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	14	D02

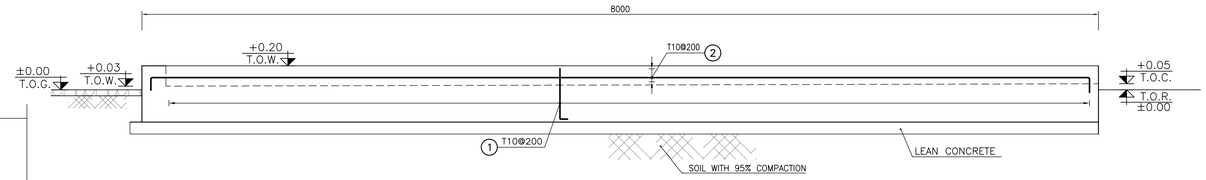
D02



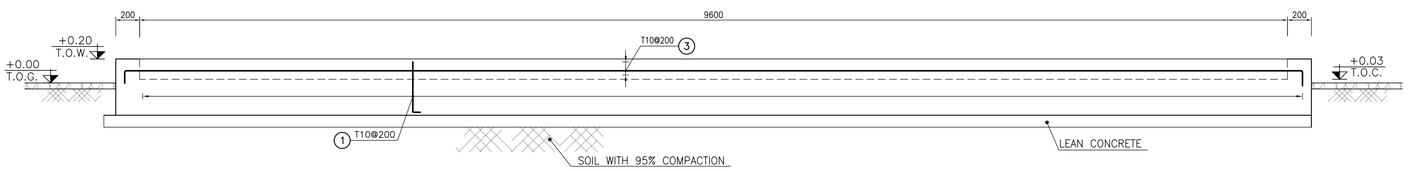
TREATMENT PAD PLAN
1:100 (1) REINFORCEMENT



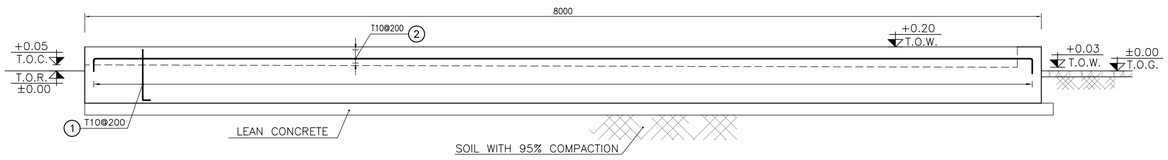
1:25 (2) REINFORCEMENT



1:25 (4) WALL W1 FORMWORK



1:25 (3) WALL W2 FORMWORK



1:25 (5) WALL W3 FORMWORK

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 420	0.620	262	162.440
2	T10	200 7850 200	8.250	110	907.500
3	T10	200 9900 200	10.300	4	41.200
4	T10	200 200	0.400	130	52.000
5	T10	200 9850 200	10.250	82	840.500
TOTAL LENGTH OR AREA (m/m2)					2003.64
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					1236.25
GRAND TOTAL (Kg)					1236 Kg.

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CEMENT BLOCK WALL
GRAVEL
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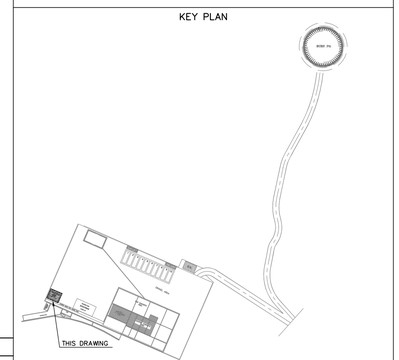
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. 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)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

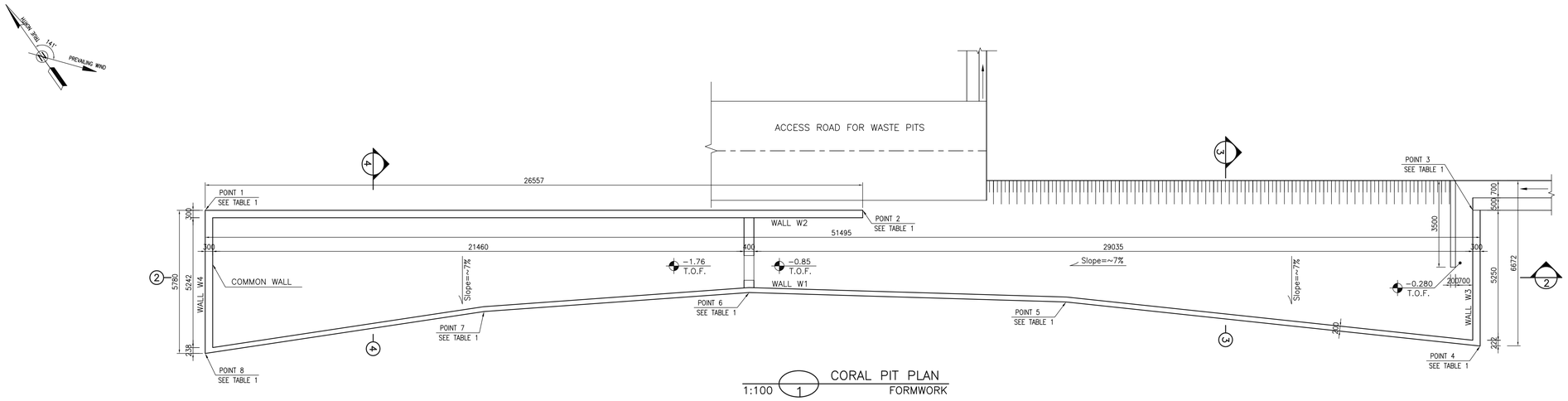
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	15 OF 103	D02

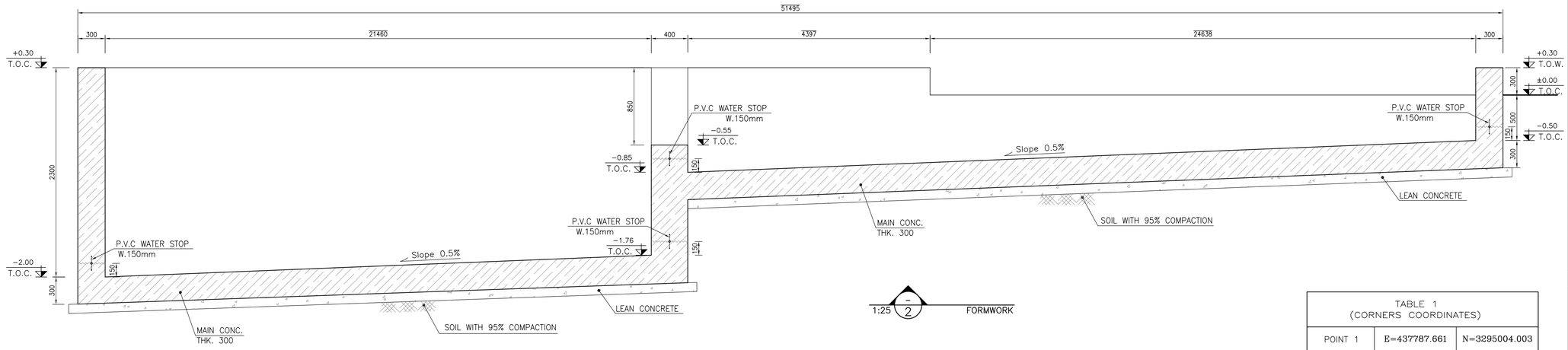
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	15	D02

D02

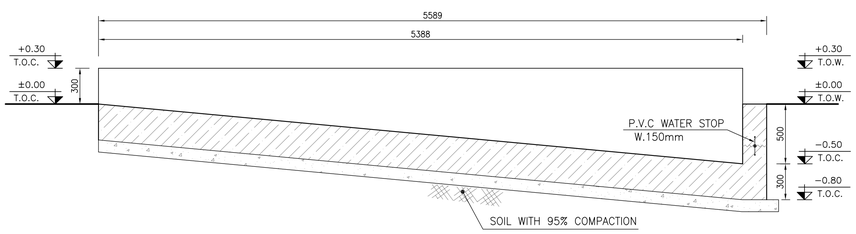


CORAL PIT PLAN FORMWORK

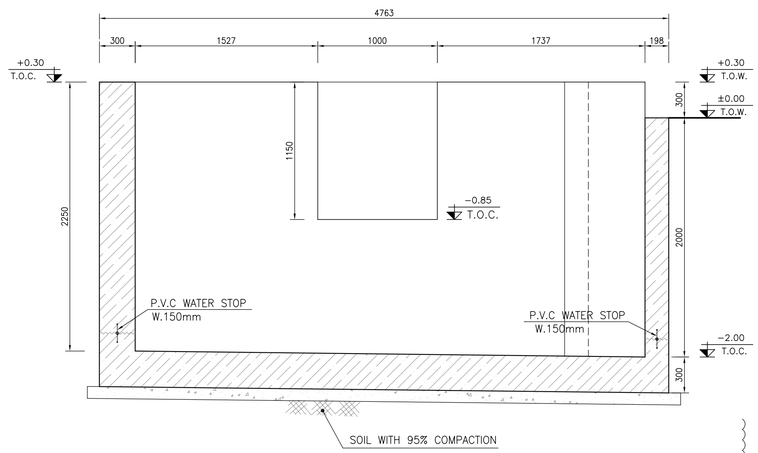
1:100 (1)



1:25 (2) FORMWORK



1:25 (3) FORMWORK



1:25 (4) FORMWORK

D02

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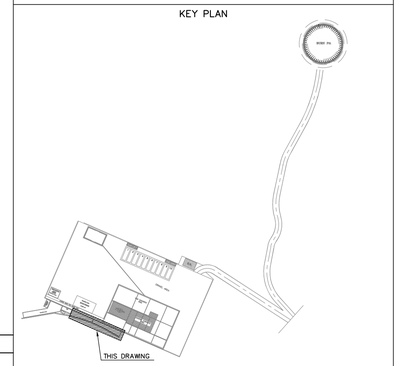
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

TABLE 1 (CORNERS COORDINATES)

POINT 1	E=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

KEY PLAN



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

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CORAL PIT FORMWORK - DETAIL & SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	16 OF 103	D02

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:

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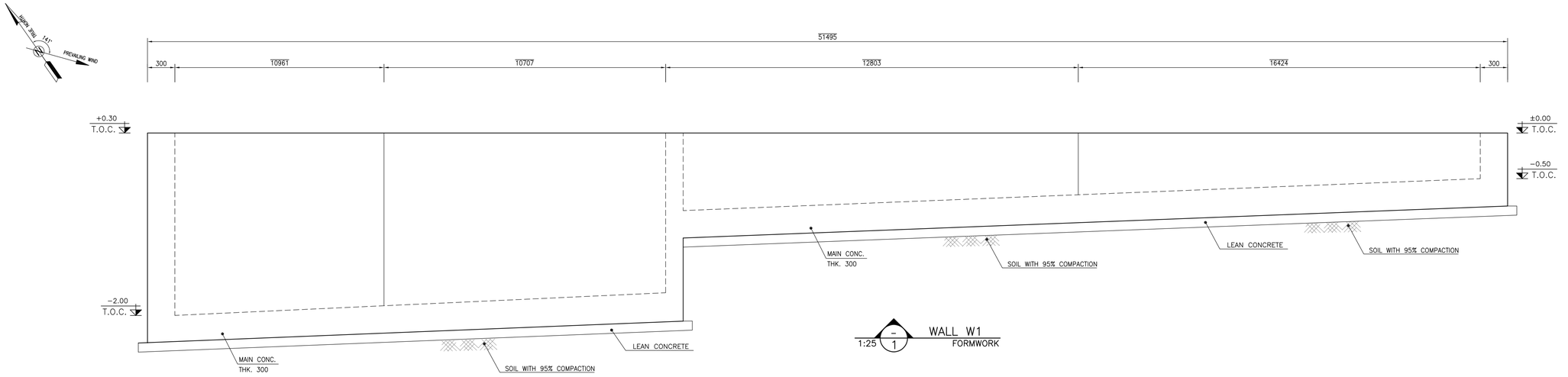
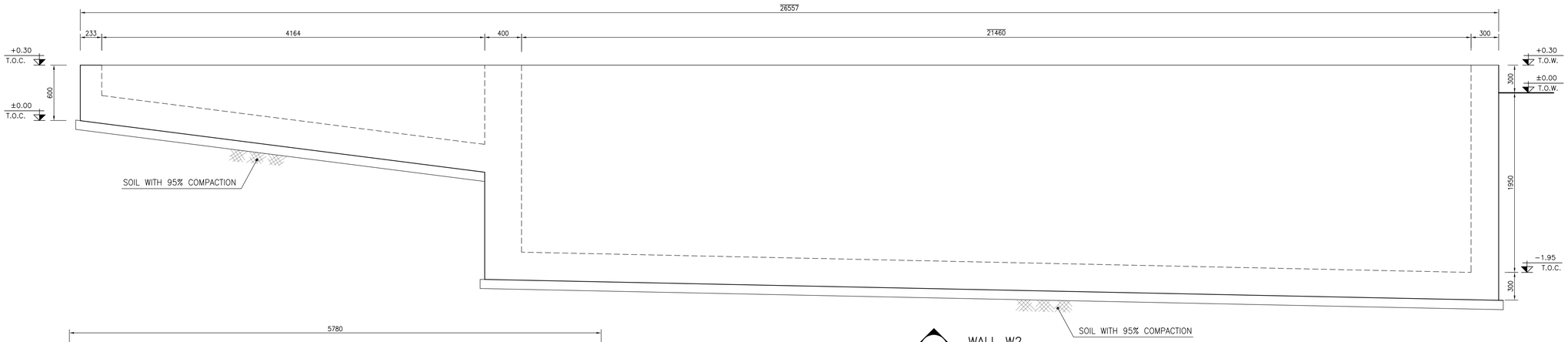
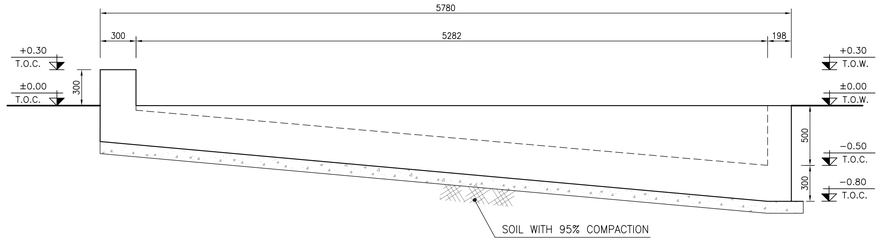
053-073-9184	F	4	S	708209	16	D02



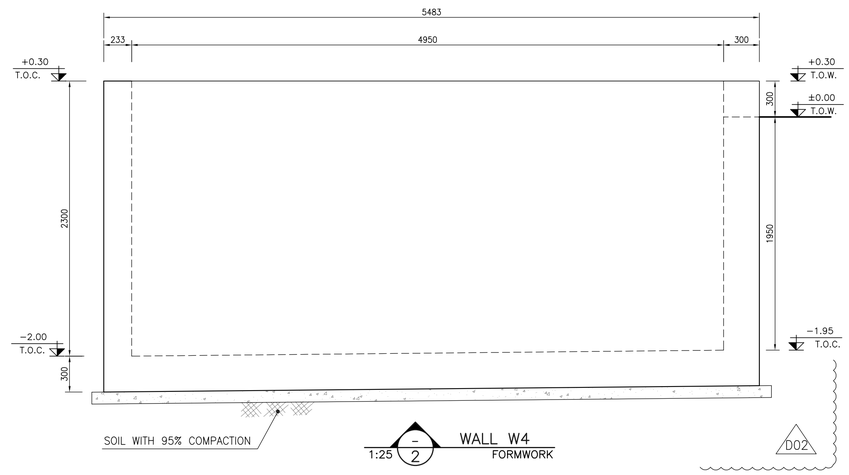
1:25 (1) WALL W1 FORMWORK



1:25 (2) WALL W2 FORMWORK



1:25 (2) WALL W3 FORMWORK



1:25 (2) WALL W4 FORMWORK

NOTES

1- ALL COORDINATES ARE IN METER.
2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
4-ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa(ON CYLINDRICAL SPECIMEN)
5-ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa(ON CYLINDRICAL SPECIMEN)
6- REINFORCING BARS SHALL BE S400 ACCORDING TO: 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.
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

±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

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
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STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRAL-PEDCO-000-CV-SP-0004
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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

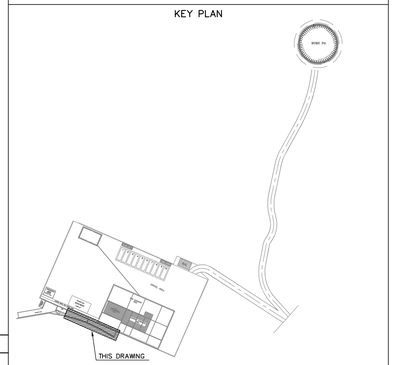


TABLE 7
(CORNERS COORDINATES)

POINT 1	E=435582.373	N=3294374.277
POINT 2	E=435602.853	N=3294359.939
POINT 3	E=435595.971	N=3294350.108
POINT 4	E=435575.491	N=3294364.446

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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 — HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WALL FORMWORK PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	17 OF 103	D02

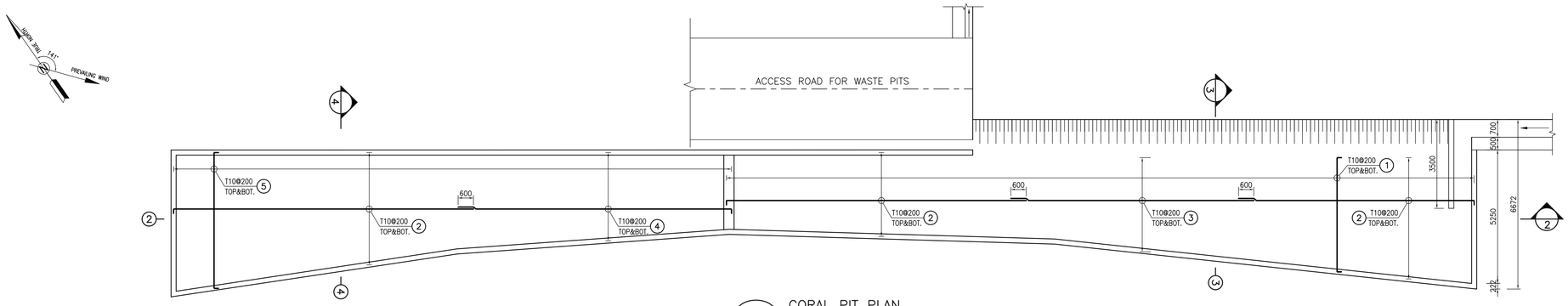
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

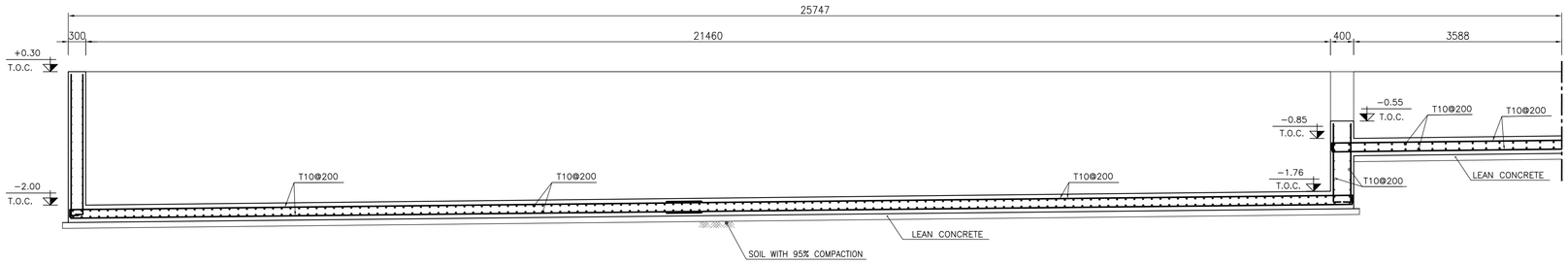
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

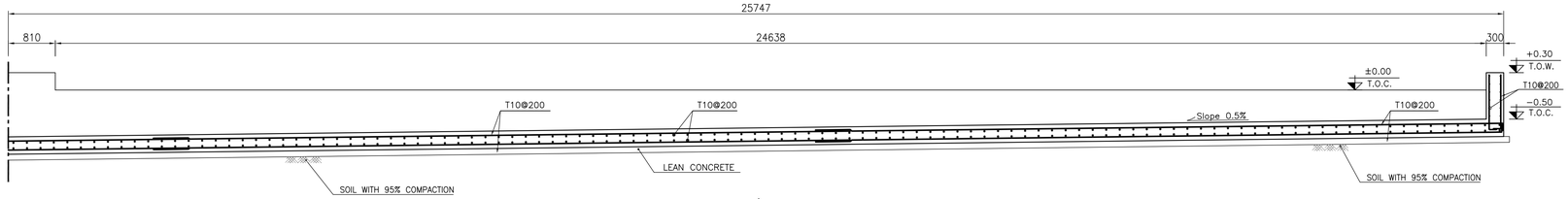
APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	17	D02

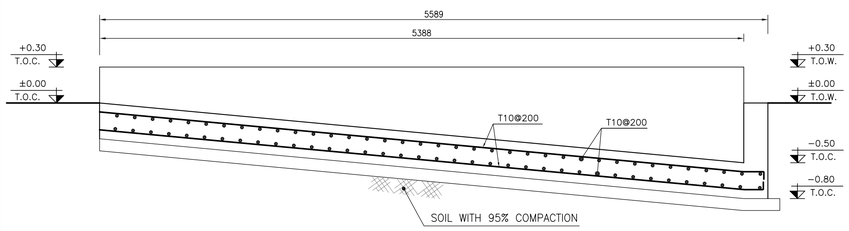


1:100 (1) CORAL PIT PLAN REINFORCEMENT

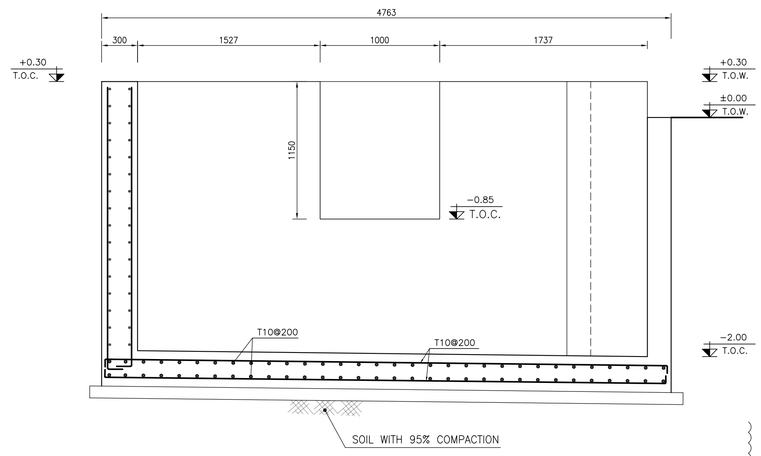




1:50 (2) REINFORCEMENT



1:25 (3) REINFORCEMENT



1:25 (4) REINFORCEMENT

D02

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THICKNESS : 300-400 MICRON
GLOSS : DULL
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LEGEND AND ABBREVIATION

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

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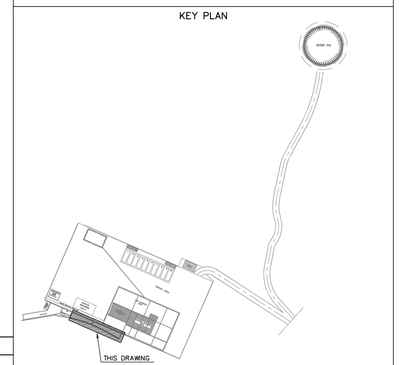
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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 SECTION REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	18 OF 103	D02

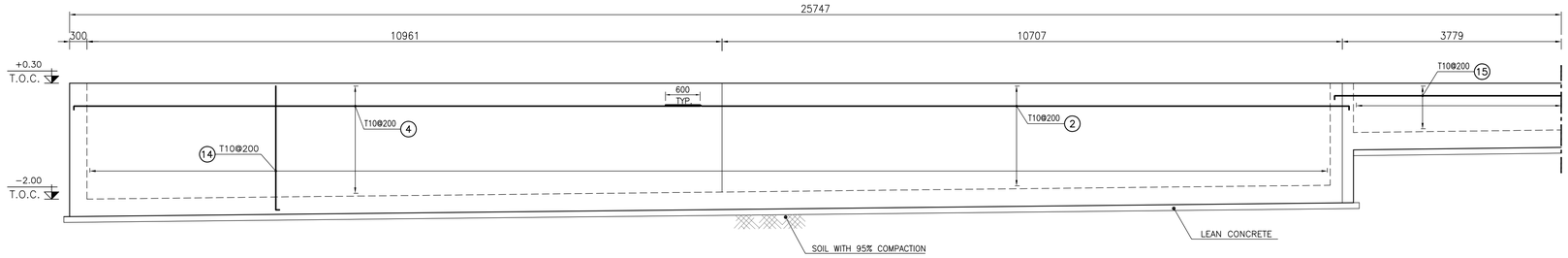
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

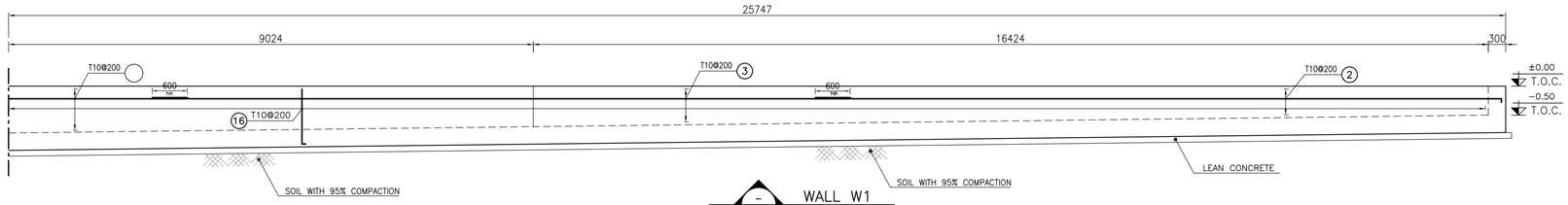
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

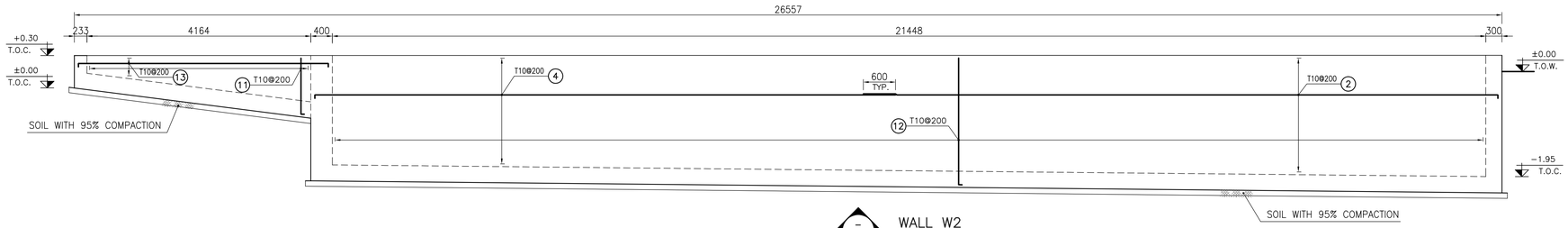
APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	18	D02





1:50 (1) WALL W1 REINFORCEMENT



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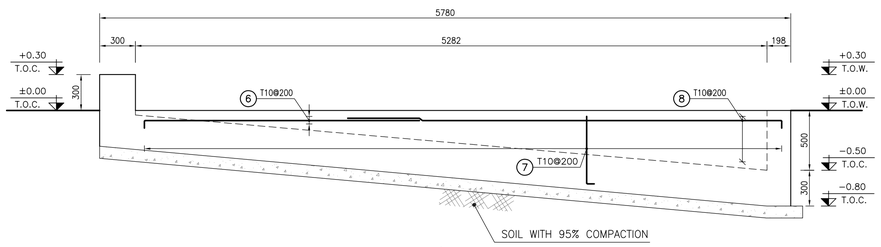
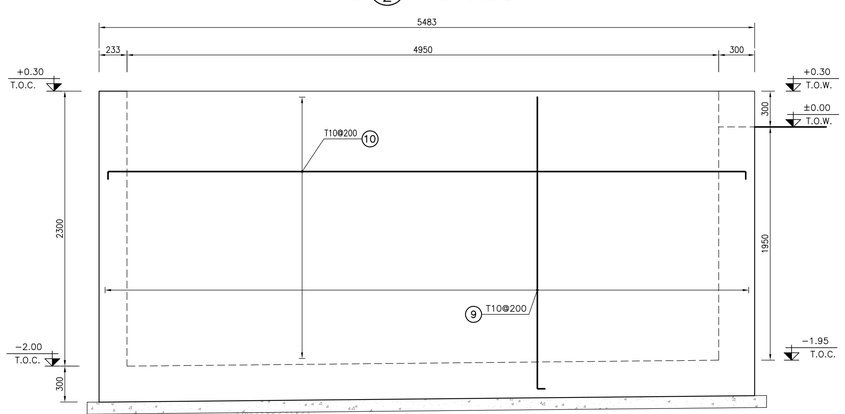


1:25 (2) WALL W3 REINFORCEMENT



1:25 (2) WALL W4 REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 4500 200	4.900	298	1460.200
2	T10	200 11800	12.000	200	2400.000
3	T10	VAR	VAR	50	600.000
4	T10	200 VAR	VAR	86	946.000
5	T10	200 5500 200	5.900	222	1309.800
6	T10	200 2300	2.500	2	5.000
7	T10	200 600	0.800	54	43.200
8	T10	200 3650	3.850	6	23.100
9	T10	200 2500	2.700	56	151.200
10	T10	200 5350 200	5.750	24	138.000
11	T10	200 1050	1.250	216	270.000
12	T10	200 2350	2.550	216	550.800
13	T10	200 4650 200	5.050	44	222.200
14	T10	200 VAR	VAR	216	507.600
15	T10	200 6800	7.000	10	70.000
16	T10	200 VAR	VAR	292	350.400
TOTAL LENGTH OR AREA (m/m2)					9047.50
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					5582.31
GRAND TOTAL (Kg)					5582 Kg.

NOTES

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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
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T.O.C. TOP OF CONCRETE
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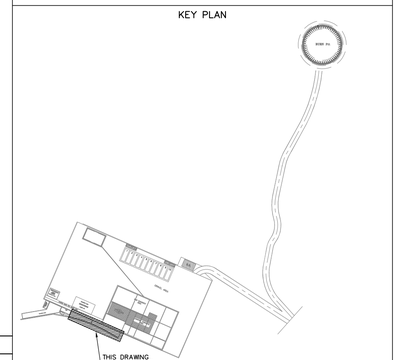
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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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 WALL REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	19 OF 1032	D02

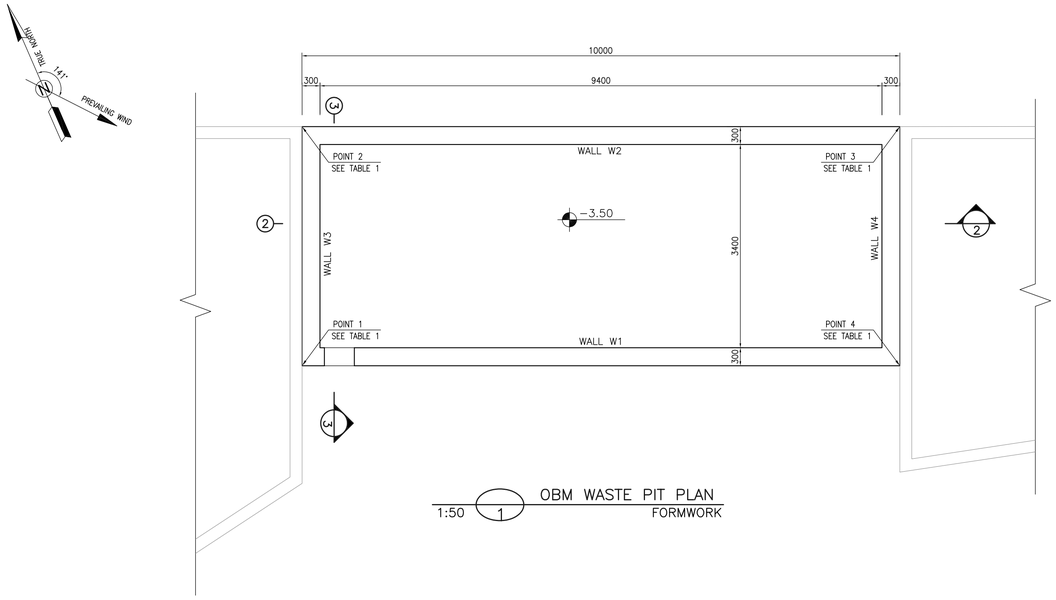
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

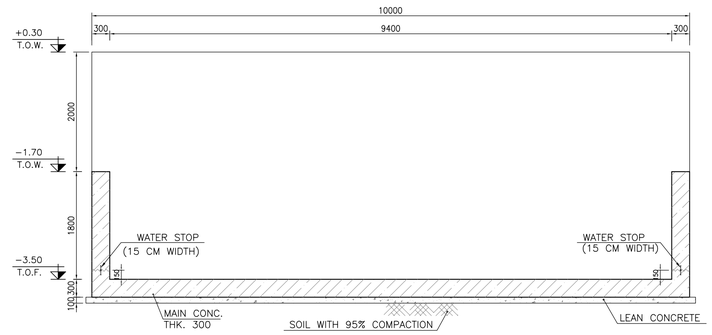
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

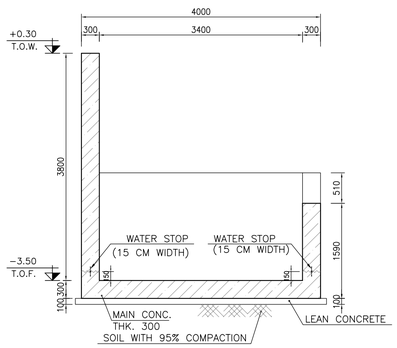
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209		19D02



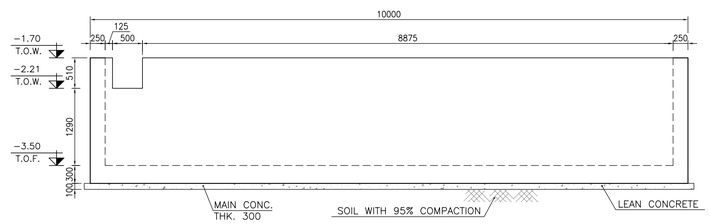
1:50 (1) OBM WASTE PIT PLAN
FORMWORK



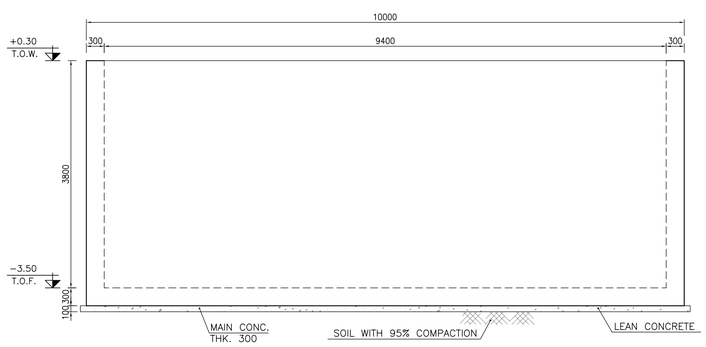
1:50 (2) FORMWORK



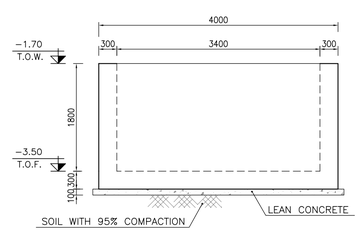
1:50 (3) FORMWORK



1:50 (4) WALL W1
FORMWORK



1:50 (5) WALL W2
FORMWORK



1:50 (6) WALL W3&W4
FORMWORK

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: ISIRI31.32 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.
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

±0.00 = +186.00(R.G.L.)MSL

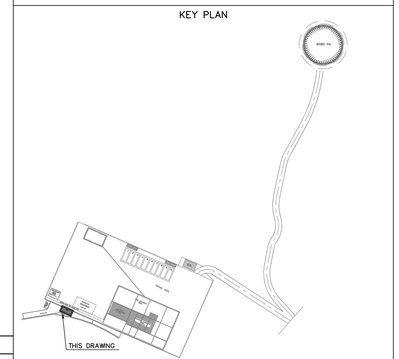
LEGEND AND ABBREVIATION

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

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	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
D02	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	P.O.I.S	PREP.	CHK.	APP.	AUT.

REV.	DESCRIPTION	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)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

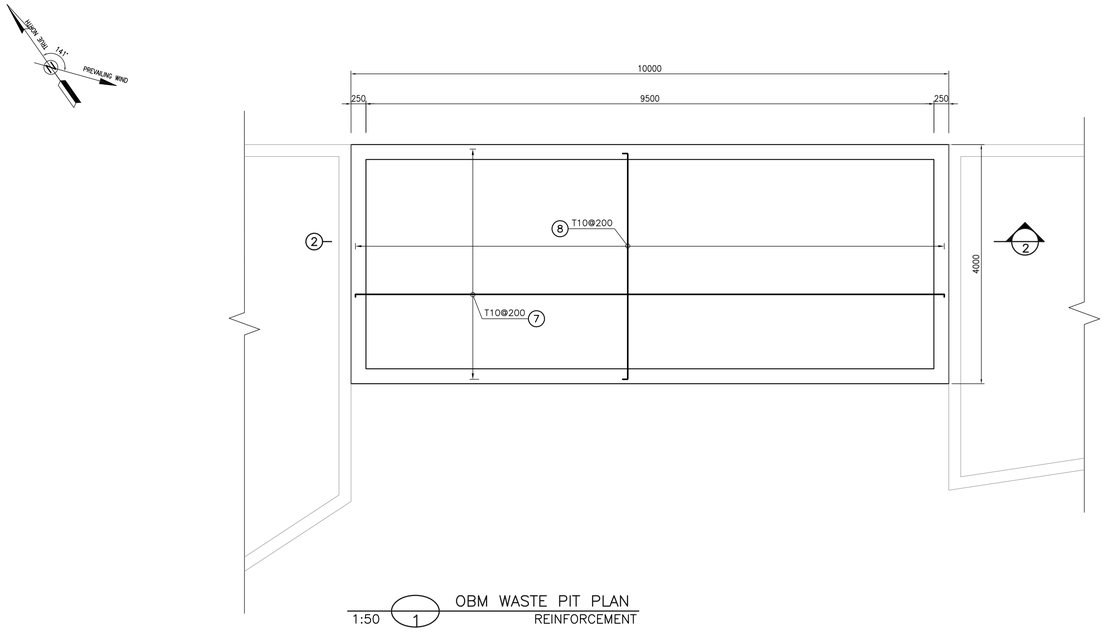
APPROVED FOR CONSTRUCTION BY: DATE:

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

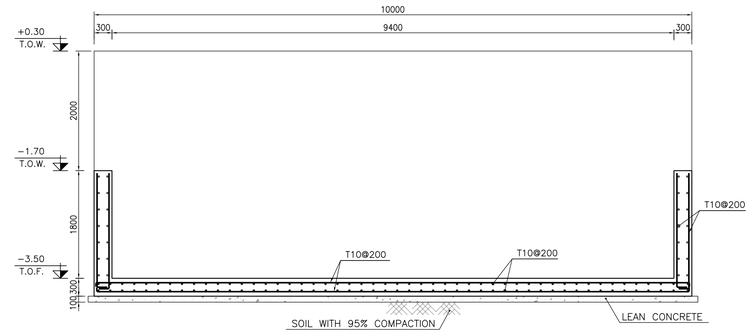
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	20 OF 103	D02

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	20	D02

D02



1:50 (1) OBM WASTE PIT PLAN REINFORCEMENT



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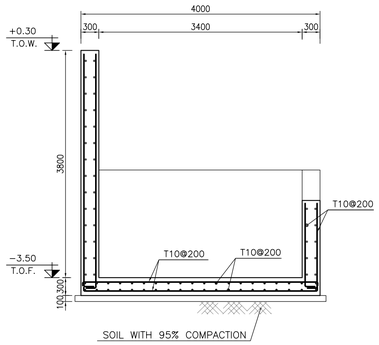

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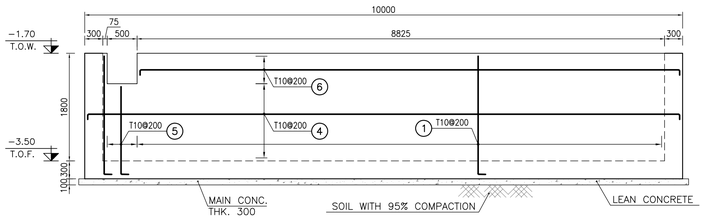
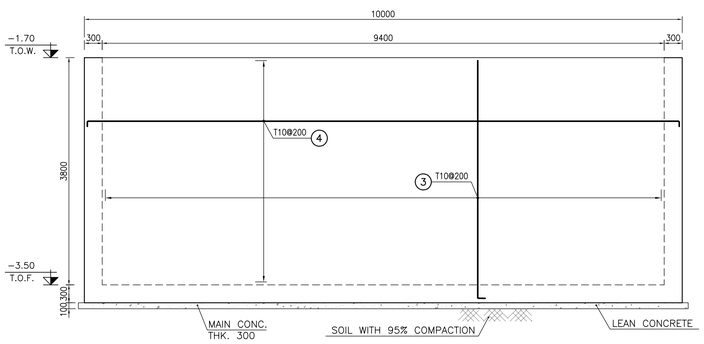
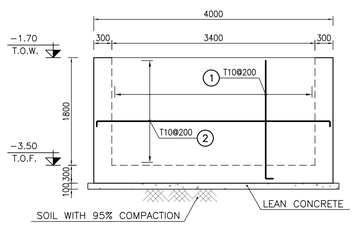


1:50 (4) WALL W1 REINFORCEMENT



1:50 (5) WALL W2 REINFORCEMENT



1:50 (6) WALL W3&W4 REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 2000	2.200	166	365.200
2	T10	200 3900 200	4.300	40	172.000
3	T10	200 4000	4.200	96	403.200
4	T10	200 9900 200	10.300	56	576.800
5	T10	200 1500	1.700	94	159.800
6	T10	200 9050 200	9.450	6	56.700
7	T10	200 9850 200	10.250	42	430.500
8	T10	200 3850 200	4.250	102	433.500
TOTAL LENGTH OR AREA (m/m2)					2597.70
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					1602.78
GRAND TOTAL (Kg)					1603 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)
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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/cm^3
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.
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

±0.00 = +186.00(R.G.L.)MSL

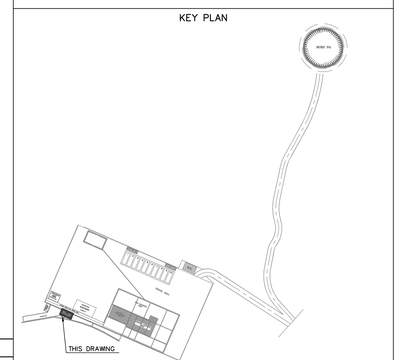
LEGEND AND ABBREVIATION

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

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.
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)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

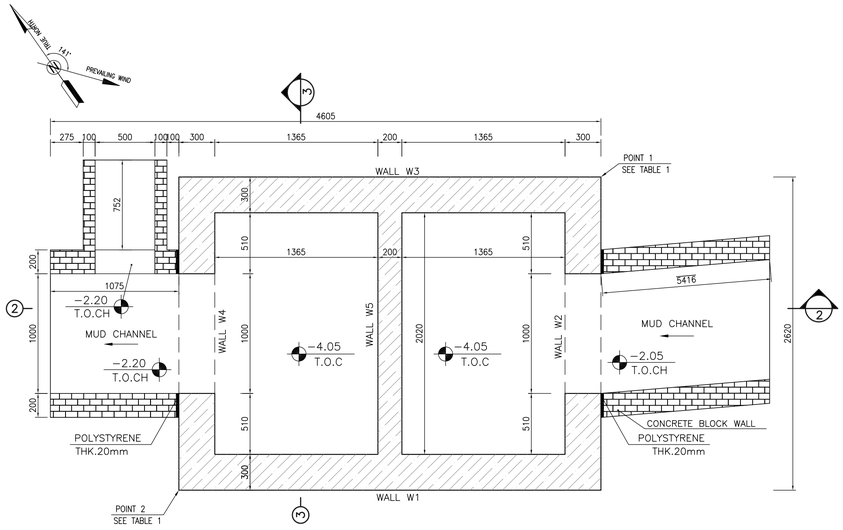
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

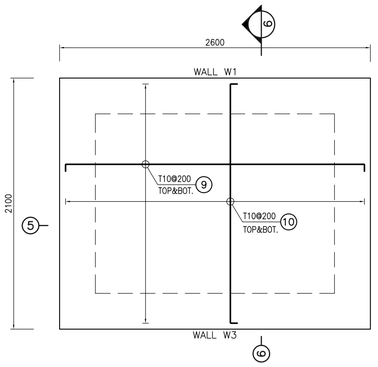
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
OBM WASTE PIT REINFORCEMENT PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	21 OF 103	D02	053-073-9184	F	4	S	708209	21	D02

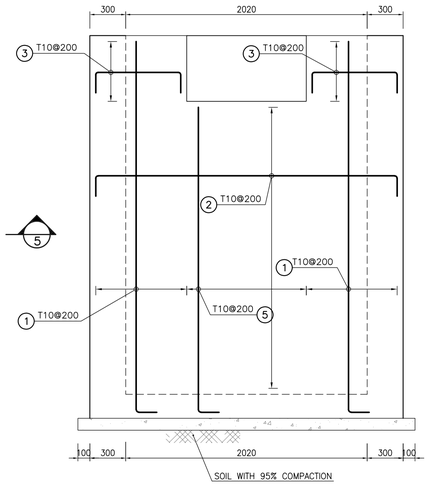
D02



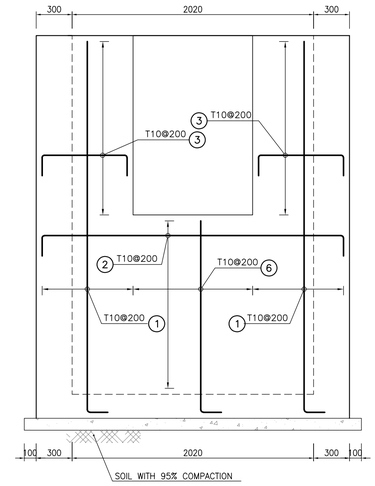
OIL TRAP PIT PLAN
1:25 (1) FORMWORK



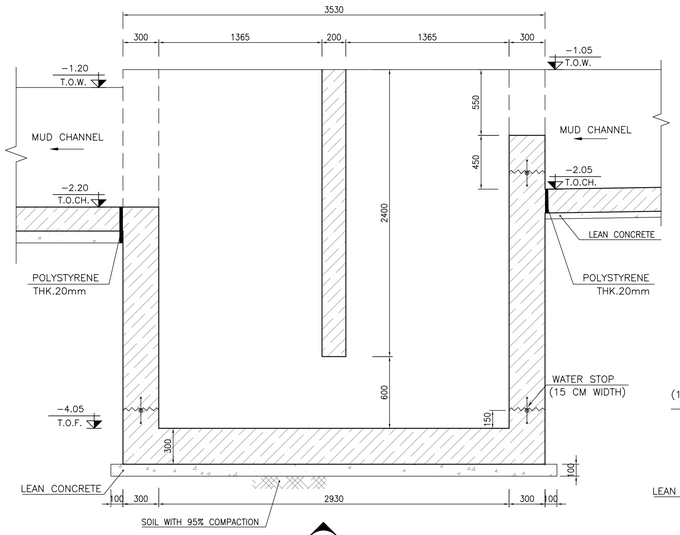
OIL TRAP PIT PLAN
1:25 (4) FORMWORK



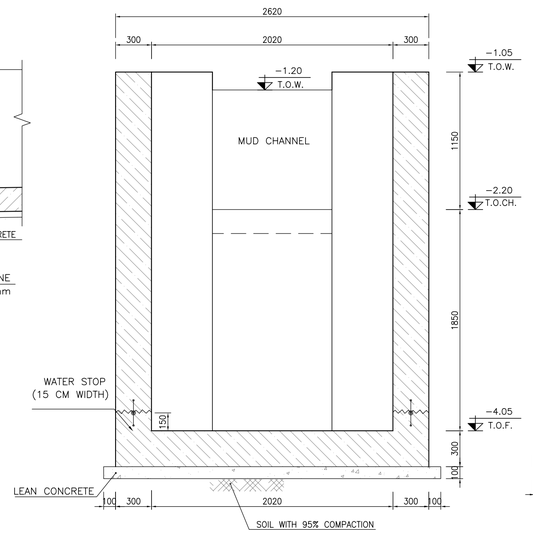
WALL W2
1:25 (5) REINFORCEMENT



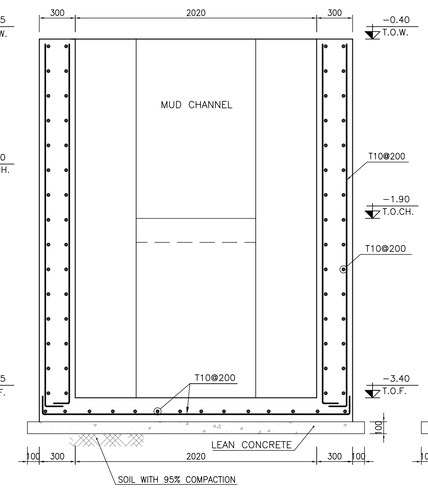
WALL W4
1:25 (6) REINFORCEMENT



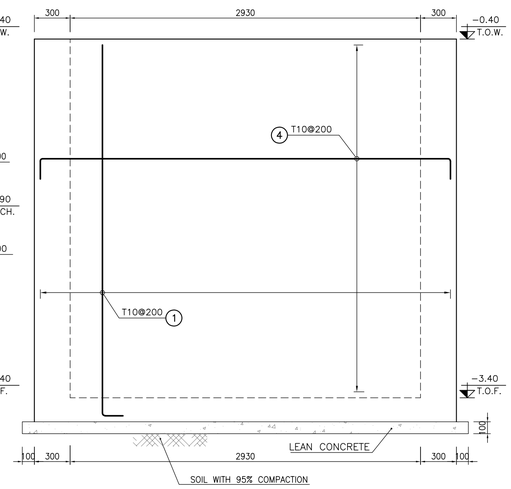
1:25 (2) FORMWORK



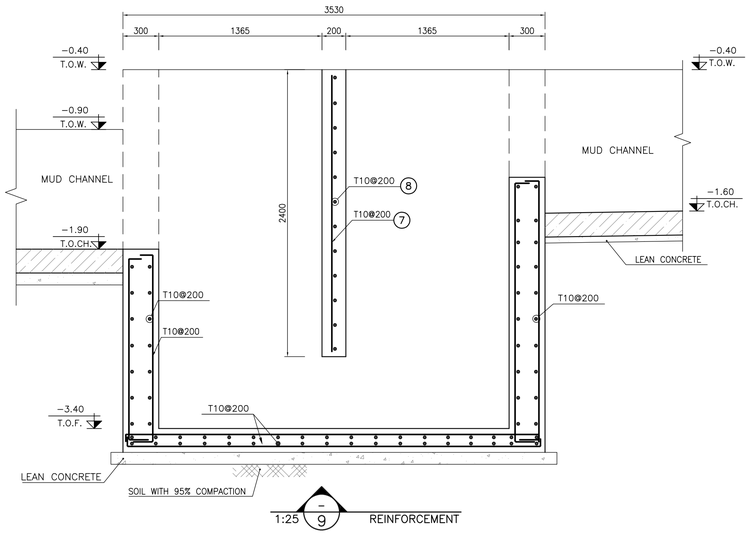
1:25 (3) FORMWORK



1:25 (7) FORMWORK



WALL W1&W3
1:25 (8) REINFORCEMENT



1:25 (9) REINFORCEMENT

TABLE 1 (CORNERS COORDINATES)		
POINT 1	E=437781.060	N=3295002.363
POINT 2	E=437776.778	N=3295001.372

Pos	Spec.	Shape	L/A	No.	T10
1	T10	150 3150	3.300	116	382.800
2	T10	150 2600 150	2.900	40	116.000
3	T10	150 810 150	1.110	48	53.280
4	T10	150 3550 150	3.850	72	277.200
5	T10	150 2600	2.750	12	33.000
6	T10	150 1650	1.800	12	21.600
7	T10	2400	2.400	11	26.400
8	T10	2050	2.050	13	26.650
9	T10	150 2500 150	2.800	24	67.200
10	T10	150 2150	2.300	26	59.800
TOTAL LENGTH OR AREA (m/m2)					1063.93
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					656.44
GRAND TOTAL (Kg)					656 Kg.

D02

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:
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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.
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

±0.00 = +186.00(R.G.L.)MSL

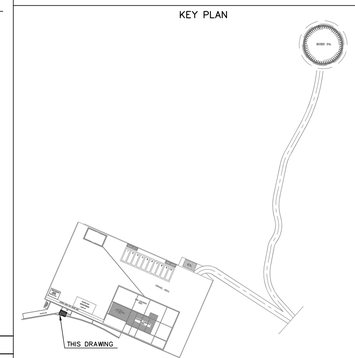
LEGEND AND ABBREVIATION

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

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.
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)

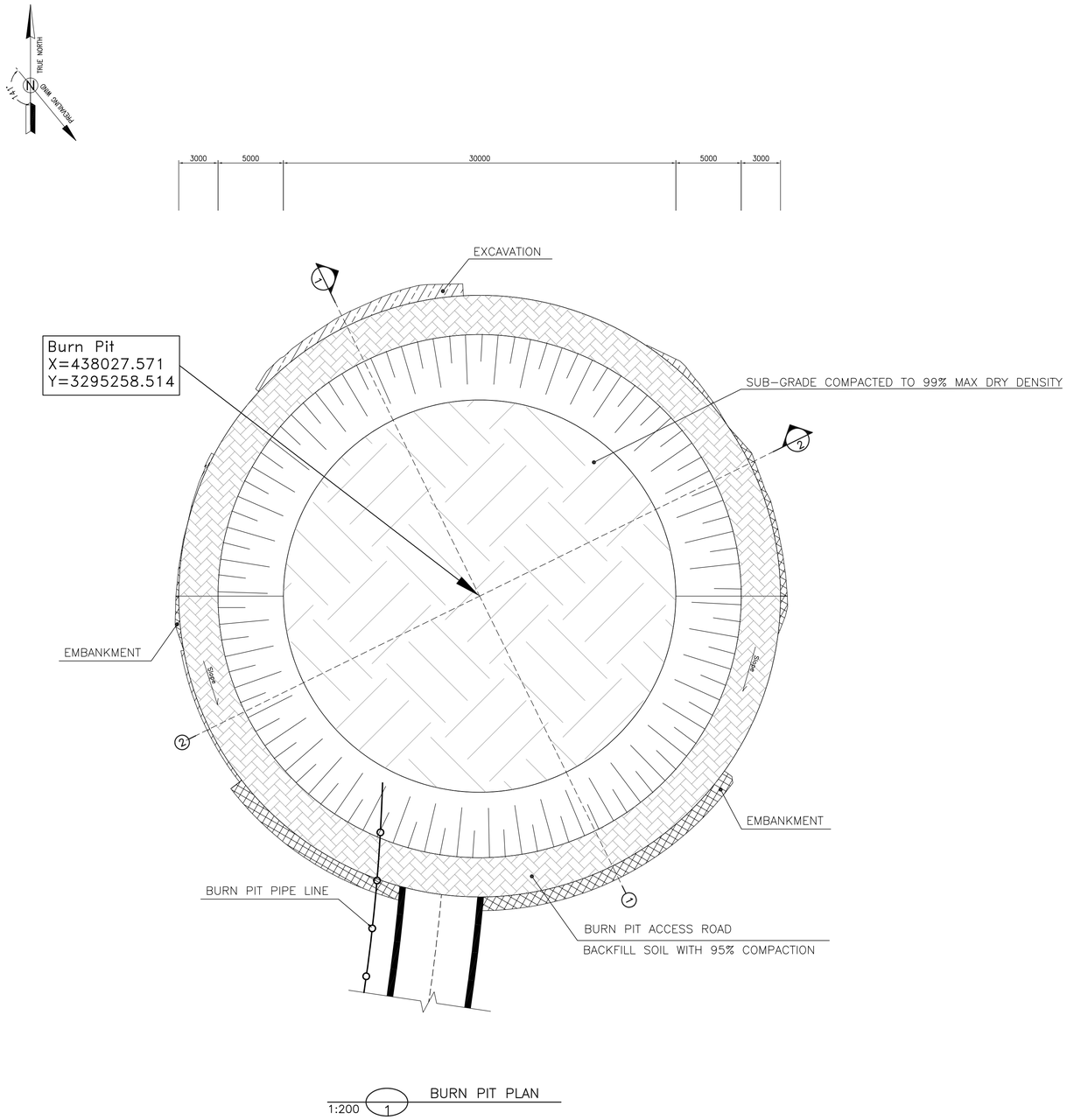
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

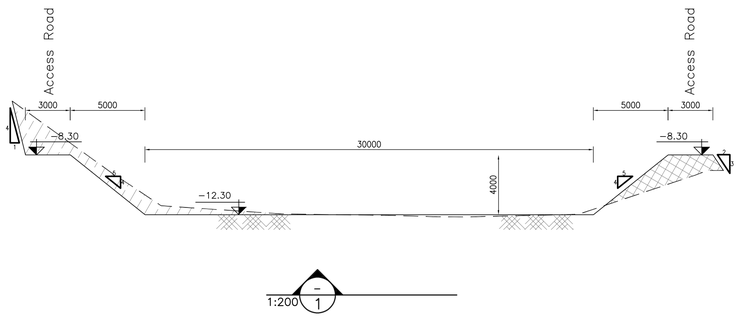
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:

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

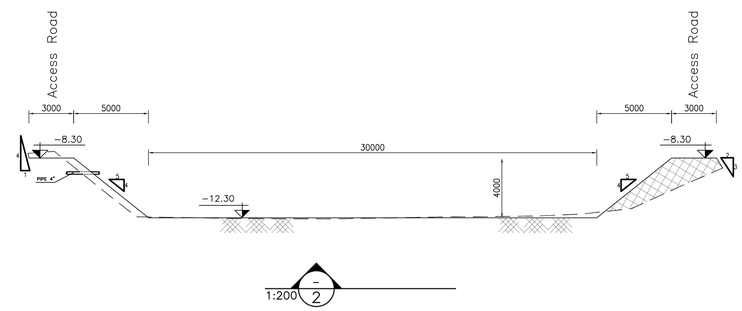
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	22 OF 103	D02	053-073-9184	F	4	S	708209	22	D02



1:200 (1) BURN PIT PLAN



1:200 (1)



1:200 (2)

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.
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

±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

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

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
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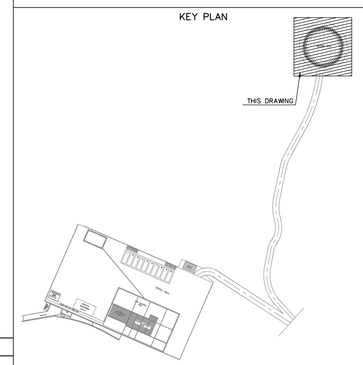
STRUCTURAL DRAWING FOR SWCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR 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.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

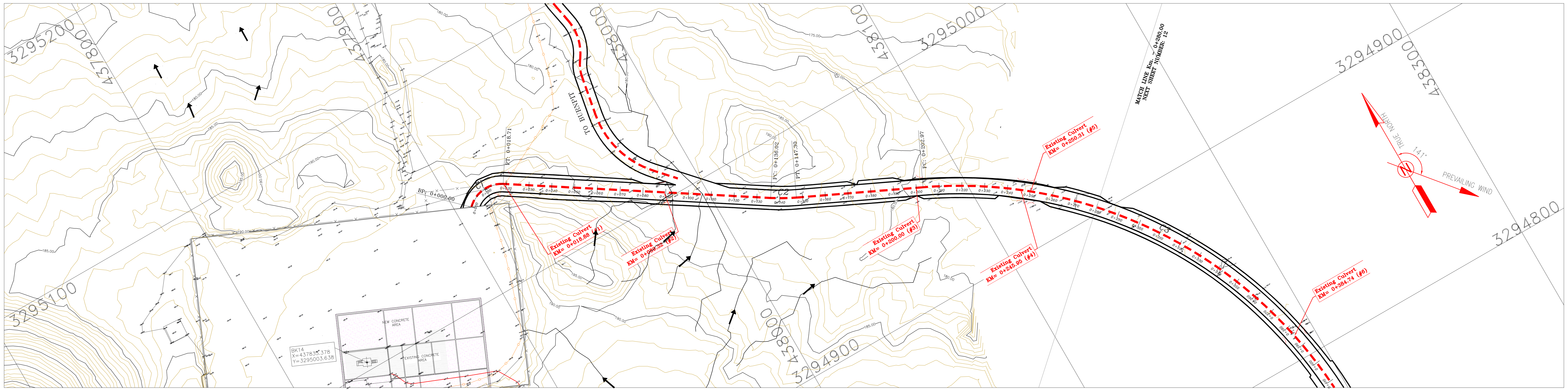
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

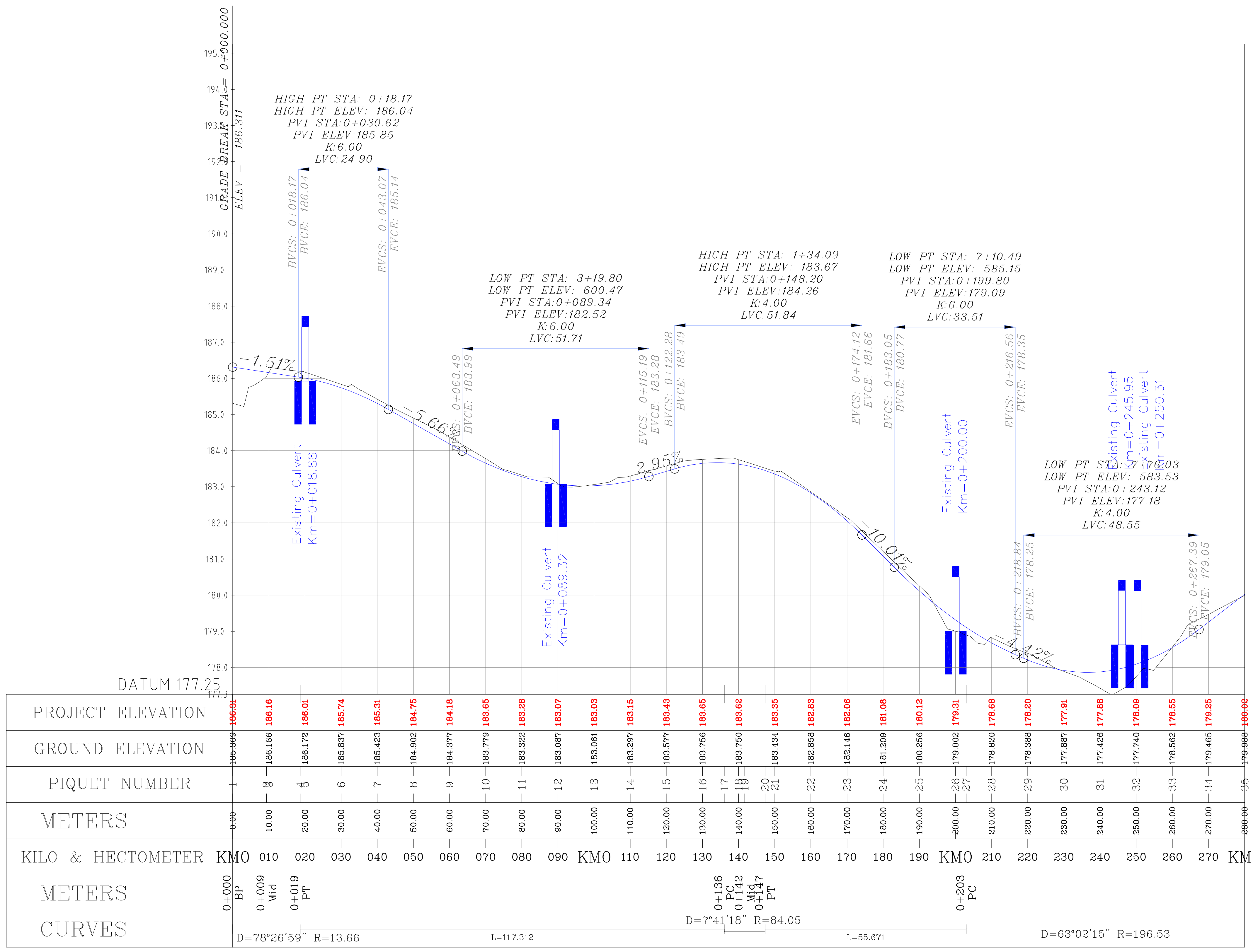
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	23 OF 103	D02

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	23	D02

D02





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

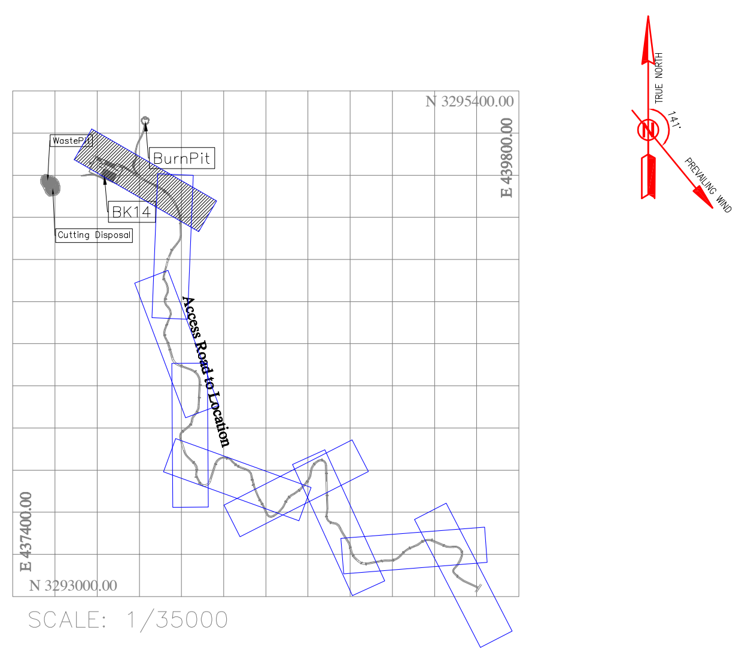
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
60 50 CONTOURS
99.27 SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT
FLOWLINE

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	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.
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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

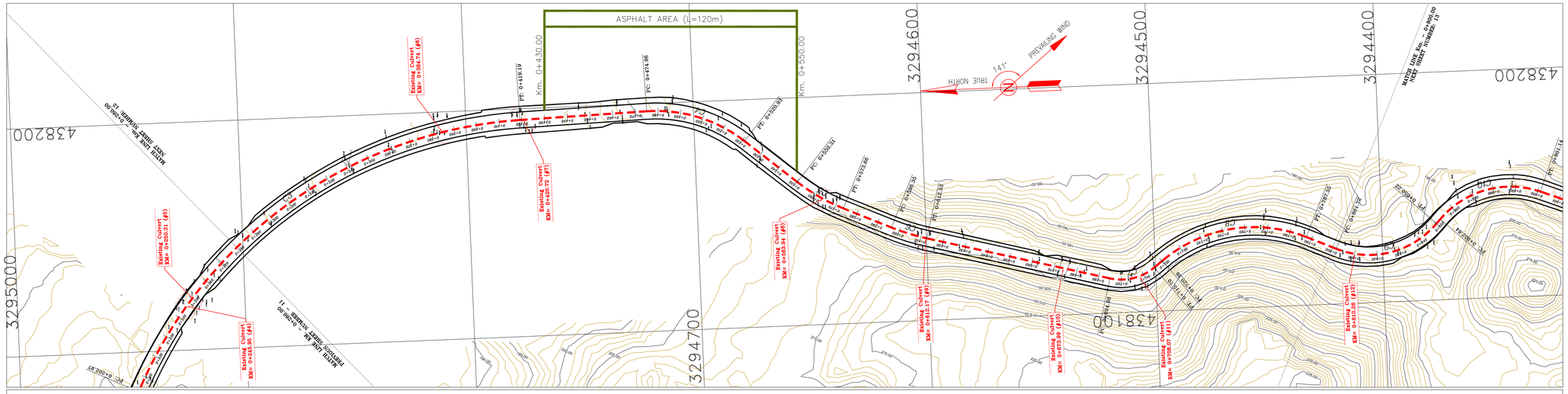
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

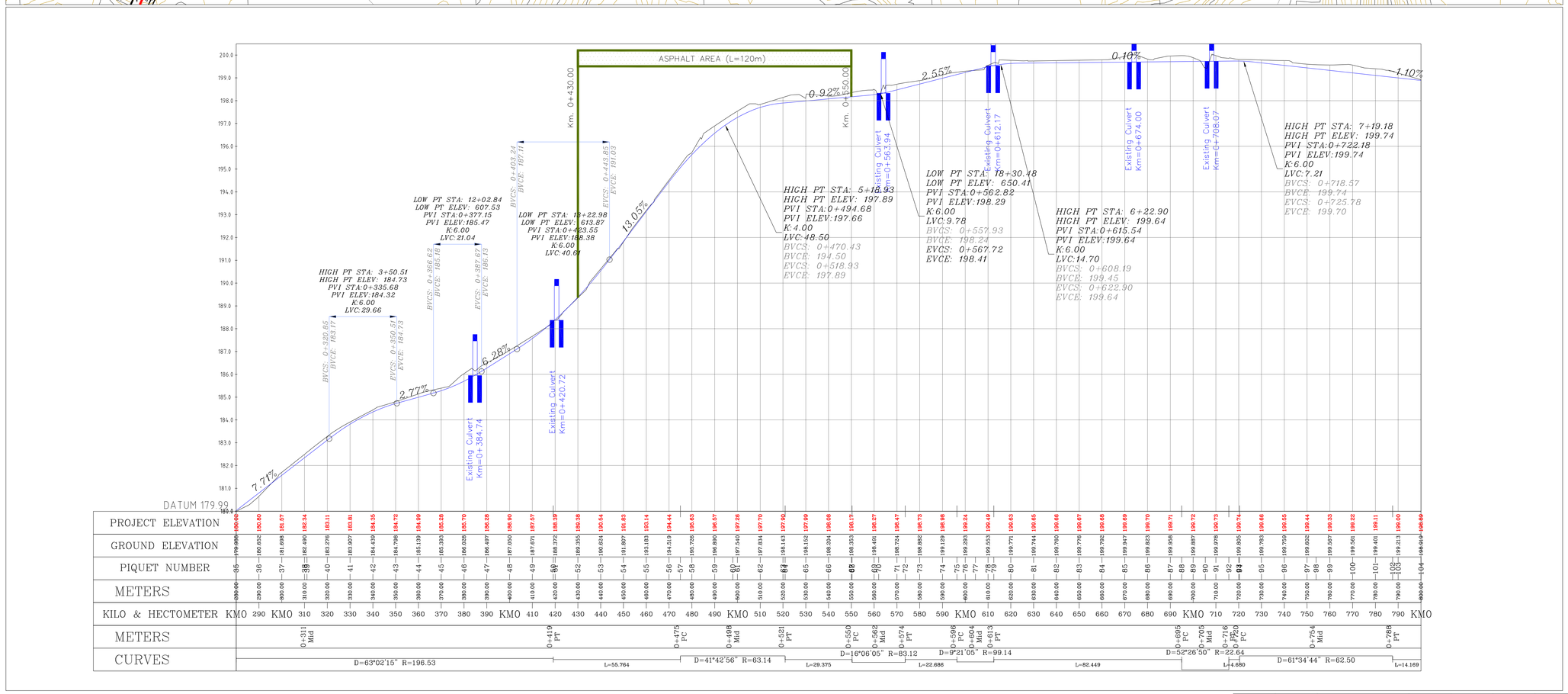
APPROVED FOR CONSTRUCTION BY: DATE:

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	24 OF 103	D01

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	24	D02





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 (60, 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT
FLOWLINE

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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ABBREVIATION

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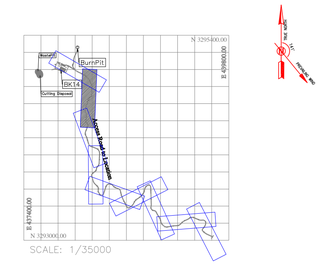
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
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

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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): 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	25 OF 103	D01

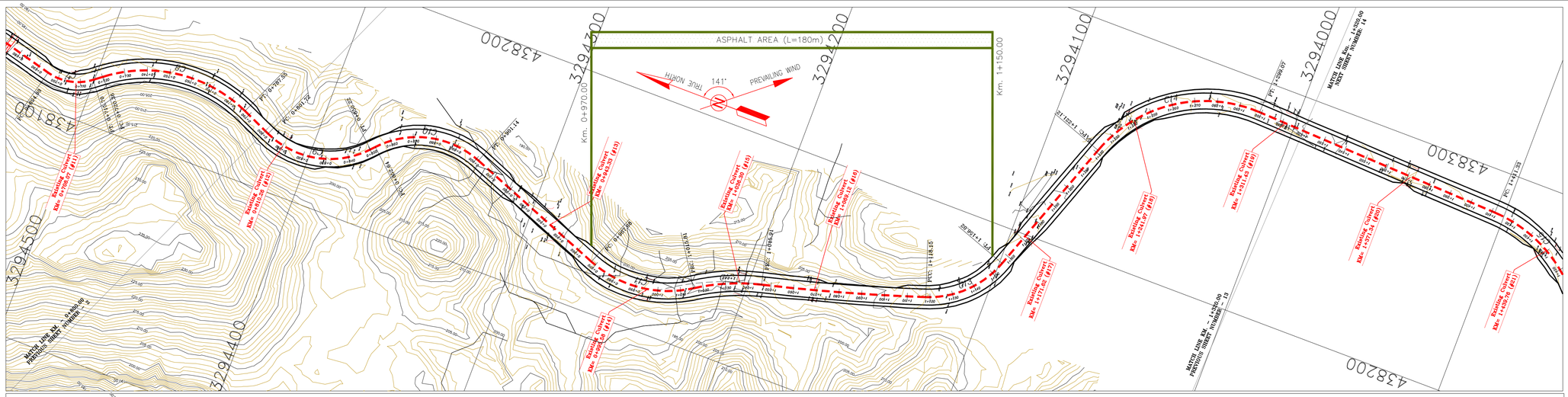
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

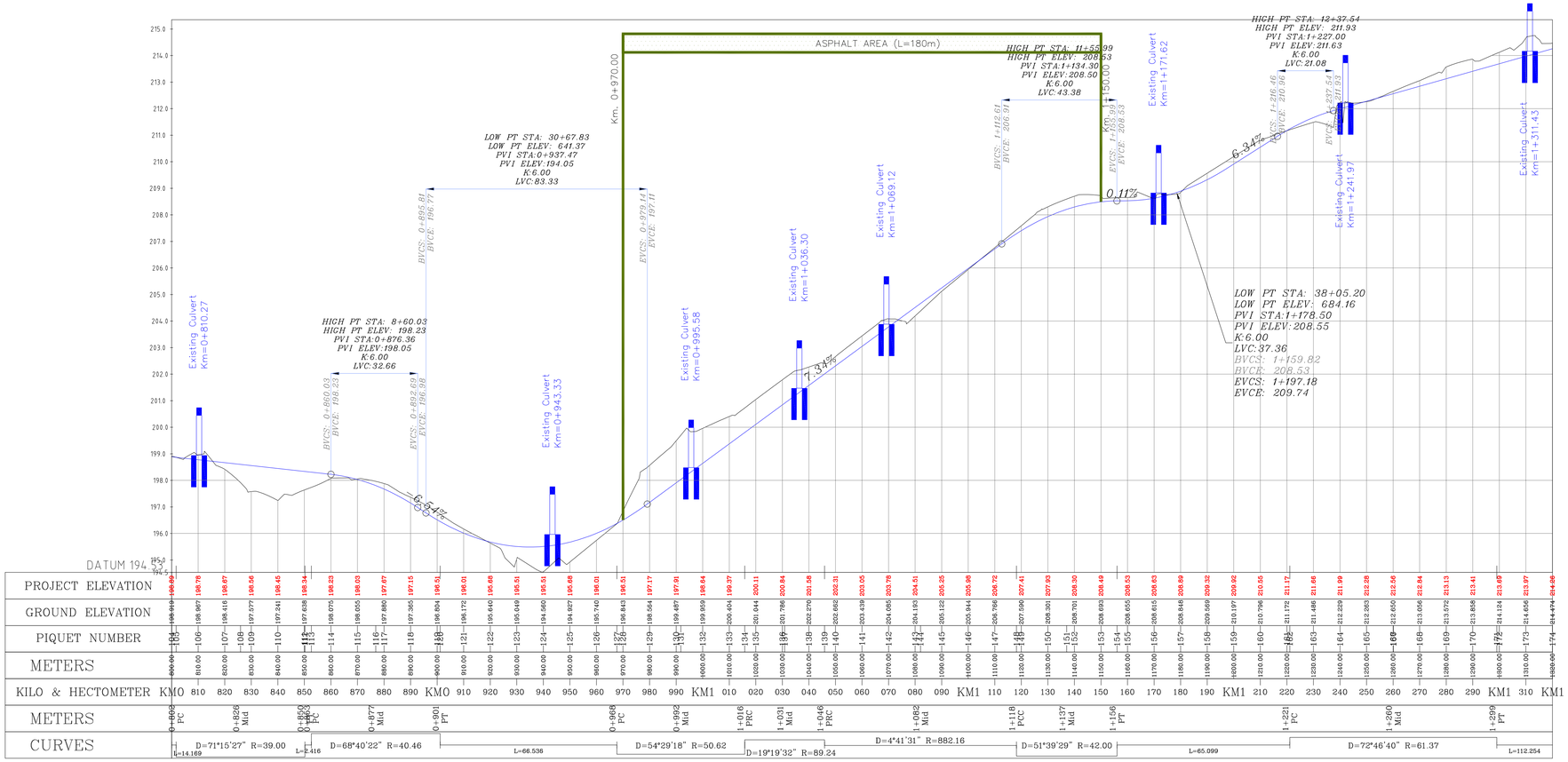
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	D02





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

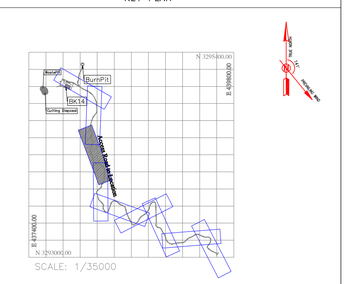
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60, 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT
FLOWLINE

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.
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): 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	26 OF 103	D01

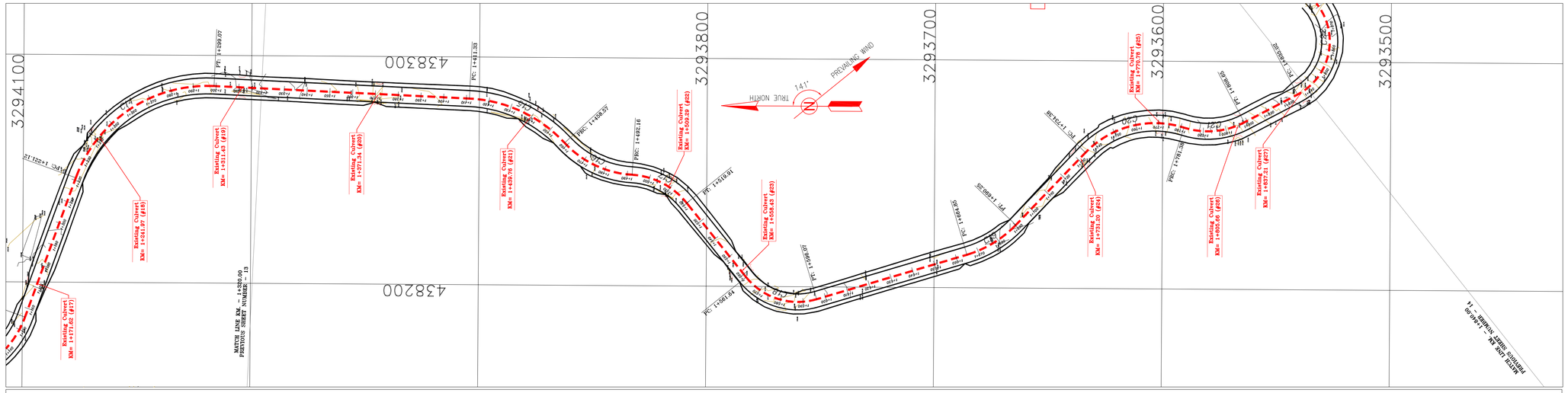
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

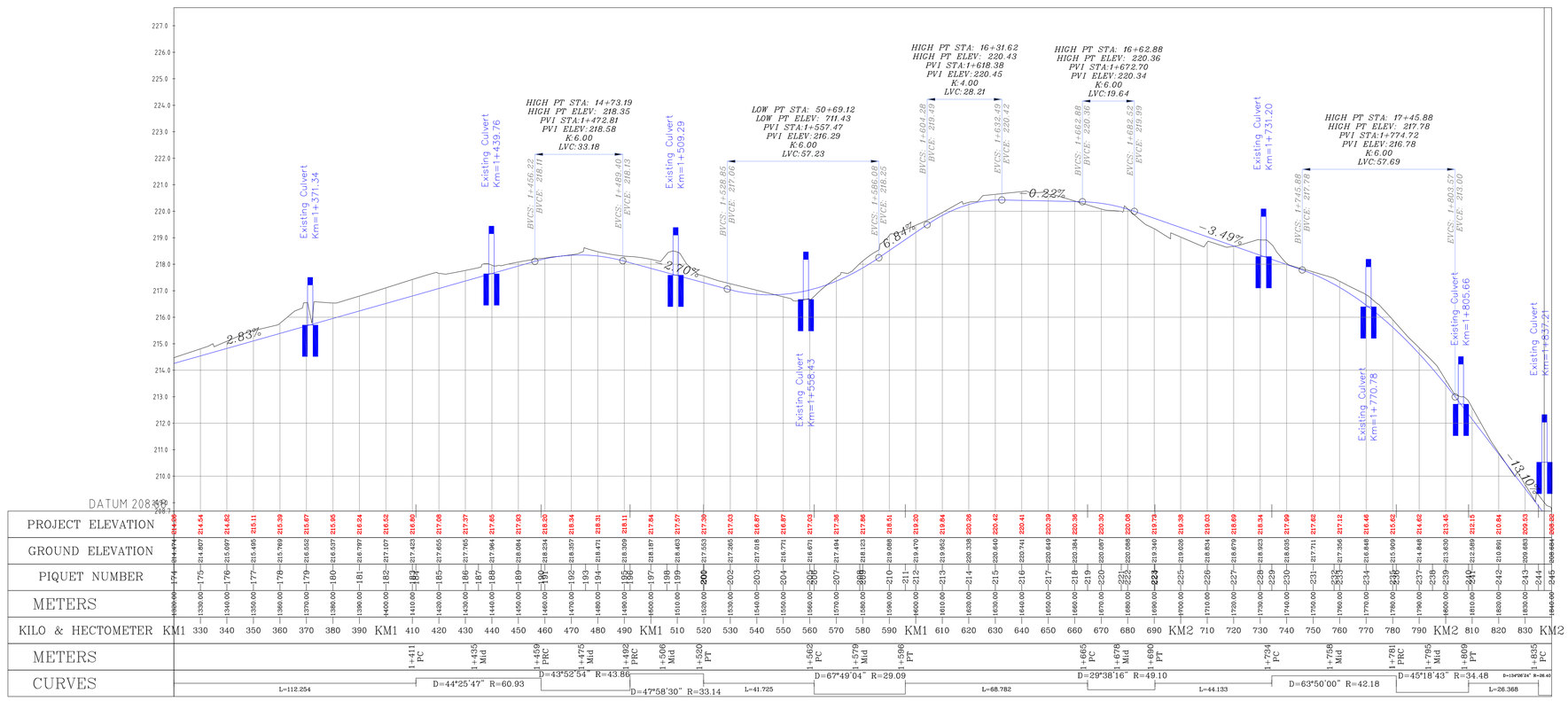
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	D02





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

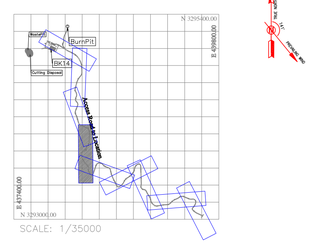
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
			FLOWLINE

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
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
1+600.00	3293747.68	438195.70
1+610.00	3293738.11	438198.60
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.
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. BY	REV. 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	27 OF 103	D01

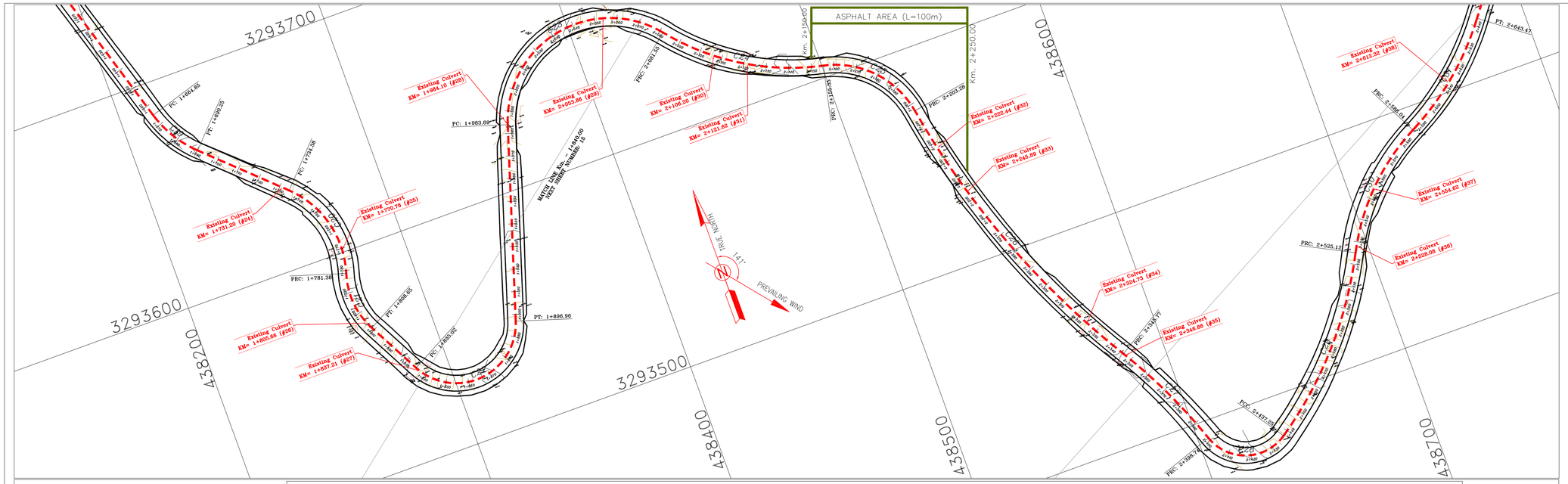
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

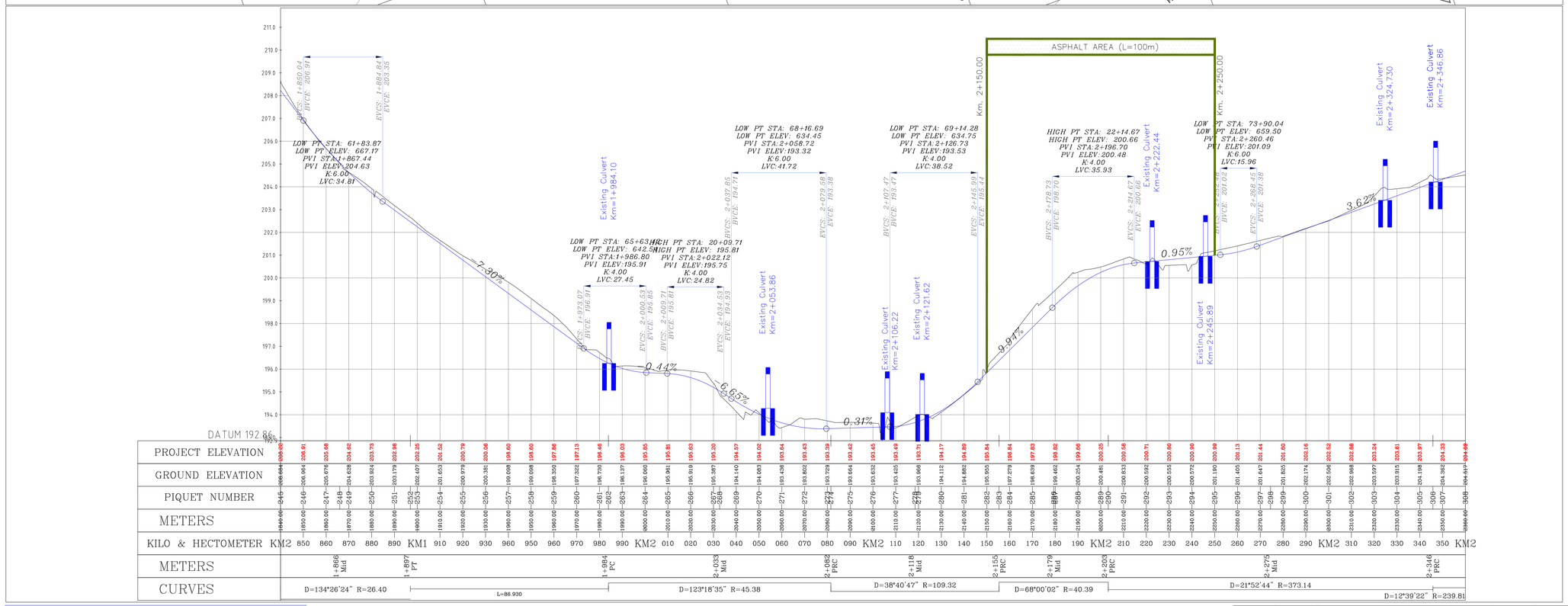
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	D02





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

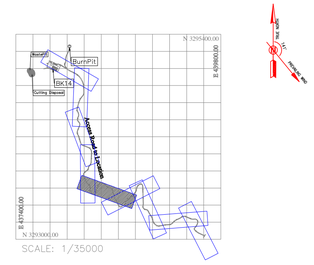
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT
FLOWLINE

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	(438285.75,3293540.94)	(438334.23,3293545.35)
C23	45.38	97.66	N79° 14' 45.54"E	(438360.50,3293628.21)	(438438.97,3293643.12)
C24	109.32	73.80	S58° 26' 20.63"E	(438438.97,3293643.12)	(438500.67,3293605.22)
C25	40.39	47.93	S43° 46' 43.16"E	(438500.67,3293605.22)	(438531.92,3293572.60)
C26	373.14	142.49	S20° 43' 04.02"E	(438531.92,3293572.60)	(438582.02,3293440.14)
C27	239.81	52.97	S25° 19' 44.88"E	(438582.02,3293440.14)	(438604.63,3293392.36)
C28	20.92	38.51	S71° 44' 47.10"E	(438604.63,3293392.36)	(438636.25,3293381.93)
C29	178.14	87.87	N41° 22' 36.08"E	(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	3293636.79	438288.48
1+850.00	3293630.35	438296.06
1+860.00	3293627.17	438305.48
1+870.00	3293627.70	438315.40
1+880.00	3293631.86	438324.43
1+890.00	3293639.06	438331.28
1+900.00	3293648.24	438335.15
1+910.00	3293657.78	438338.17
1+920.00	3293667.31	438341.19
1+930.00	3293676.84	438344.21
1+940.00	3293686.37	438347.23
1+950.00	3293695.91	438350.26
1+960.00	3293705.44	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.
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 ACCESS ROAD PLAN AND PROFILE

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	28 OF 103	D01

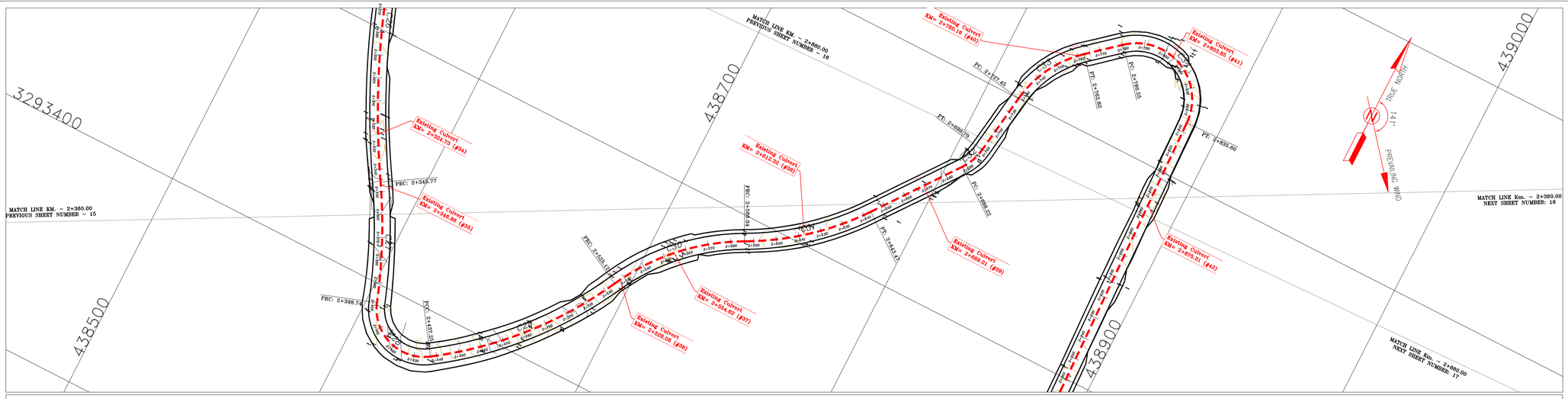
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

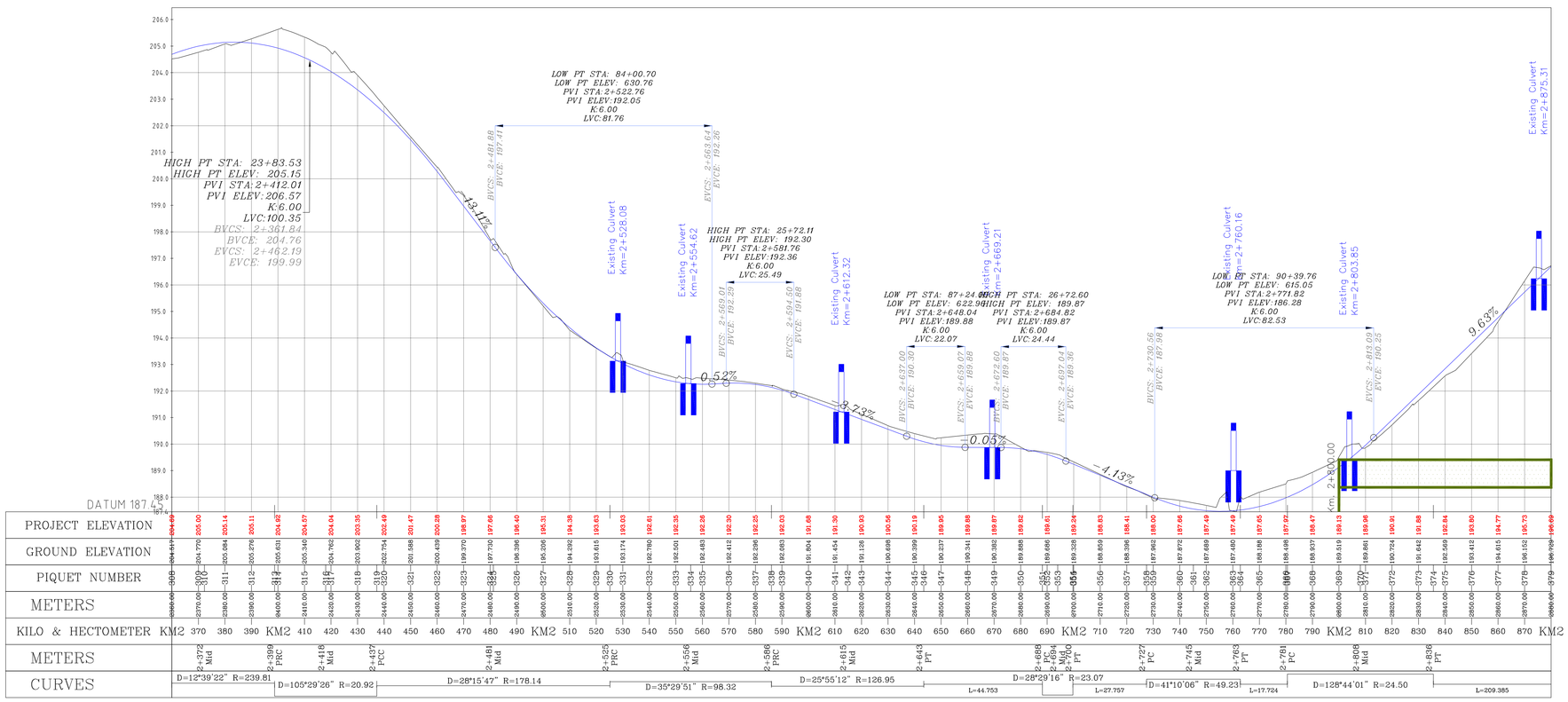
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	D02





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

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
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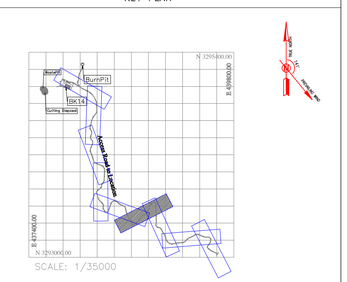
KEY PLAN



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

PI Station	Northing	Easting
2+372.38	3293417.51	438595.87
2+428.24	3293366.36	438613.59
2+482.10	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+831.61	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.
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

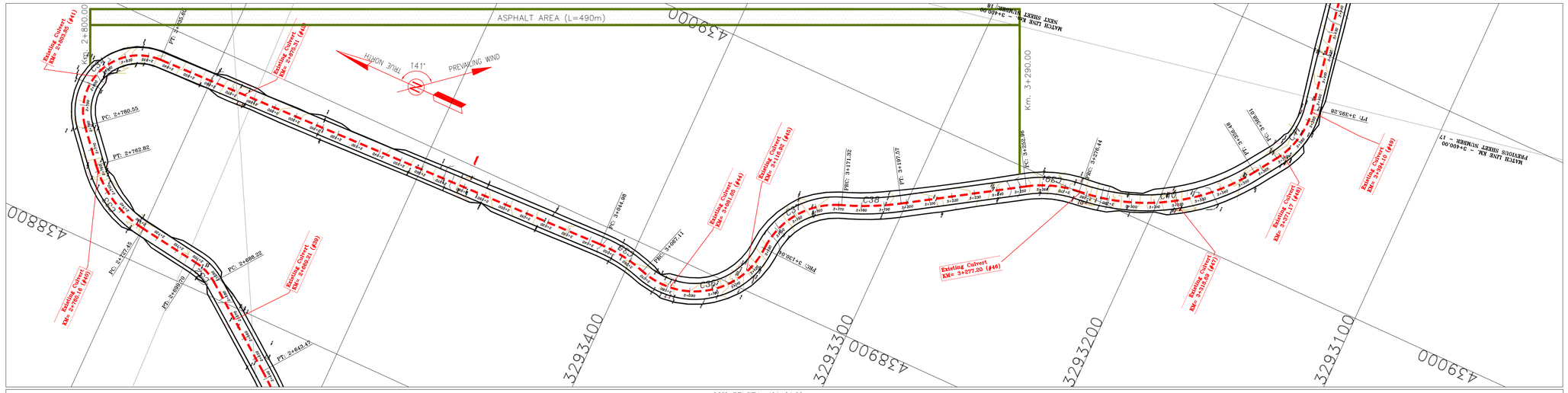
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

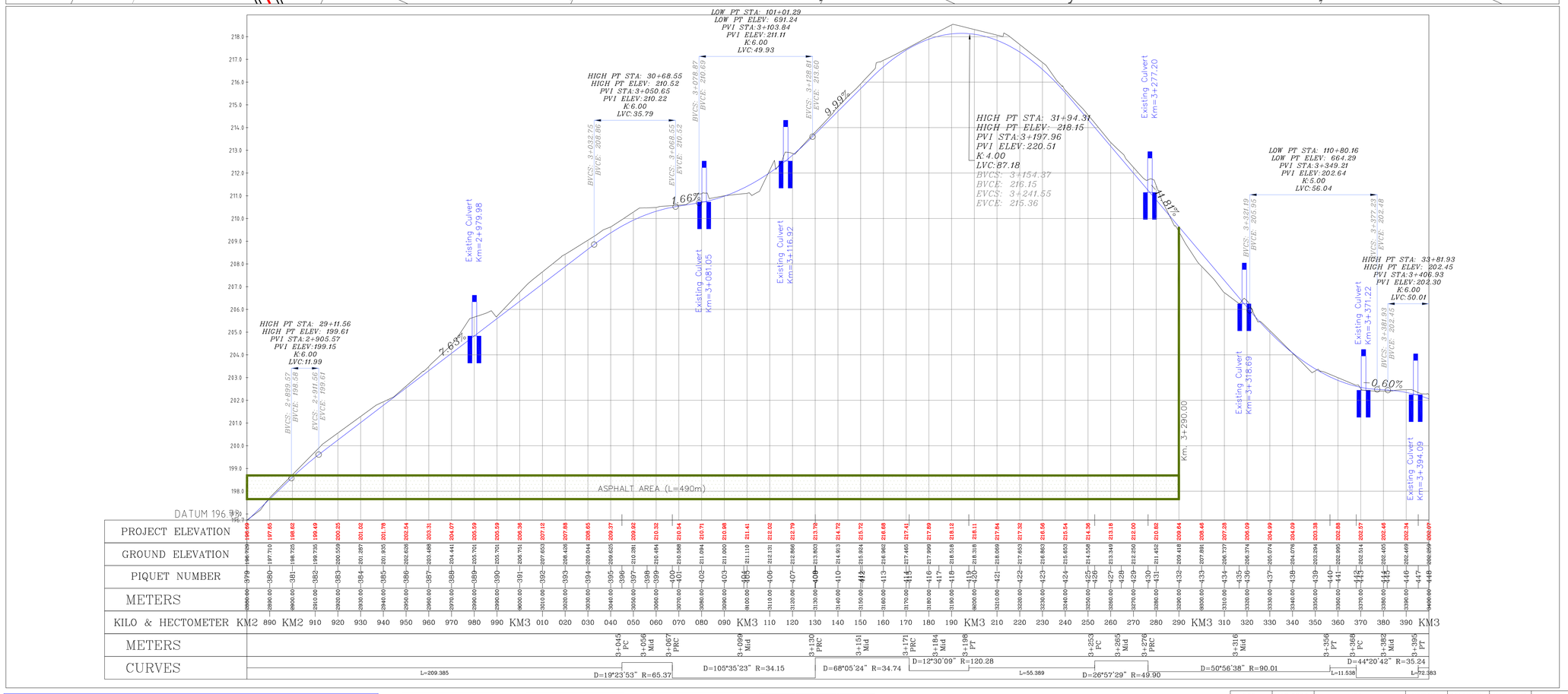
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	29 OF 103	D01	053-073-9184	F	4	S	708209	29	D02





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LEGEND

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WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60, 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT
FLOWLINE

REFERENCE DRAWING	DRG. No.
General Civil Layout -BK14	BK-BK14-PEDCO-110-CV-PY-0001
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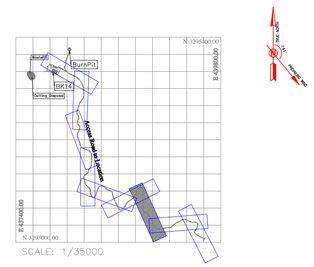
EVCE= END OF VERTICAL CURVE ELEVATION

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	438959.29
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.
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	30 OF 103	D01

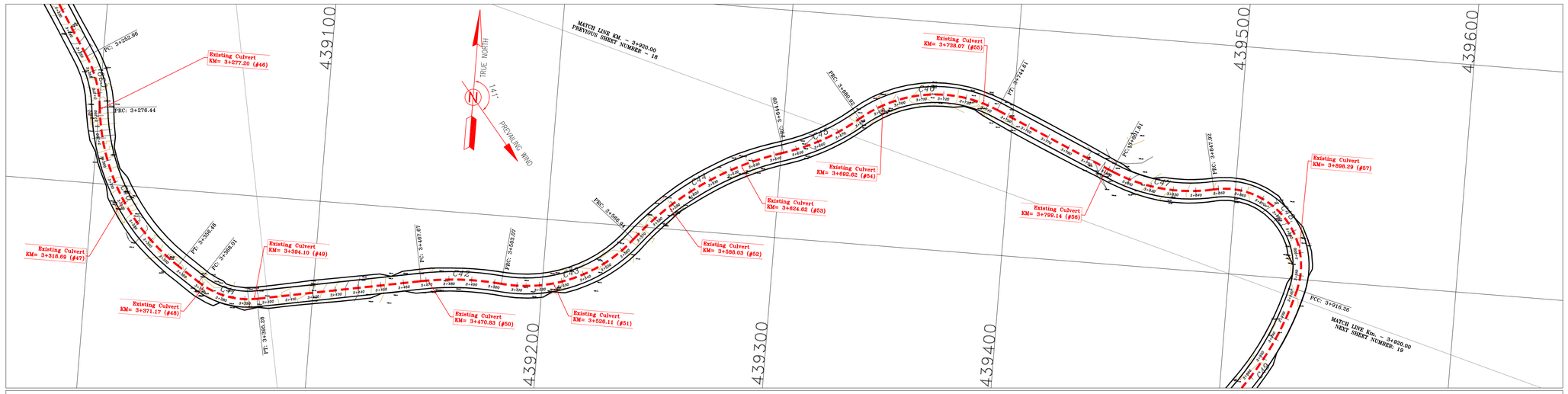
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

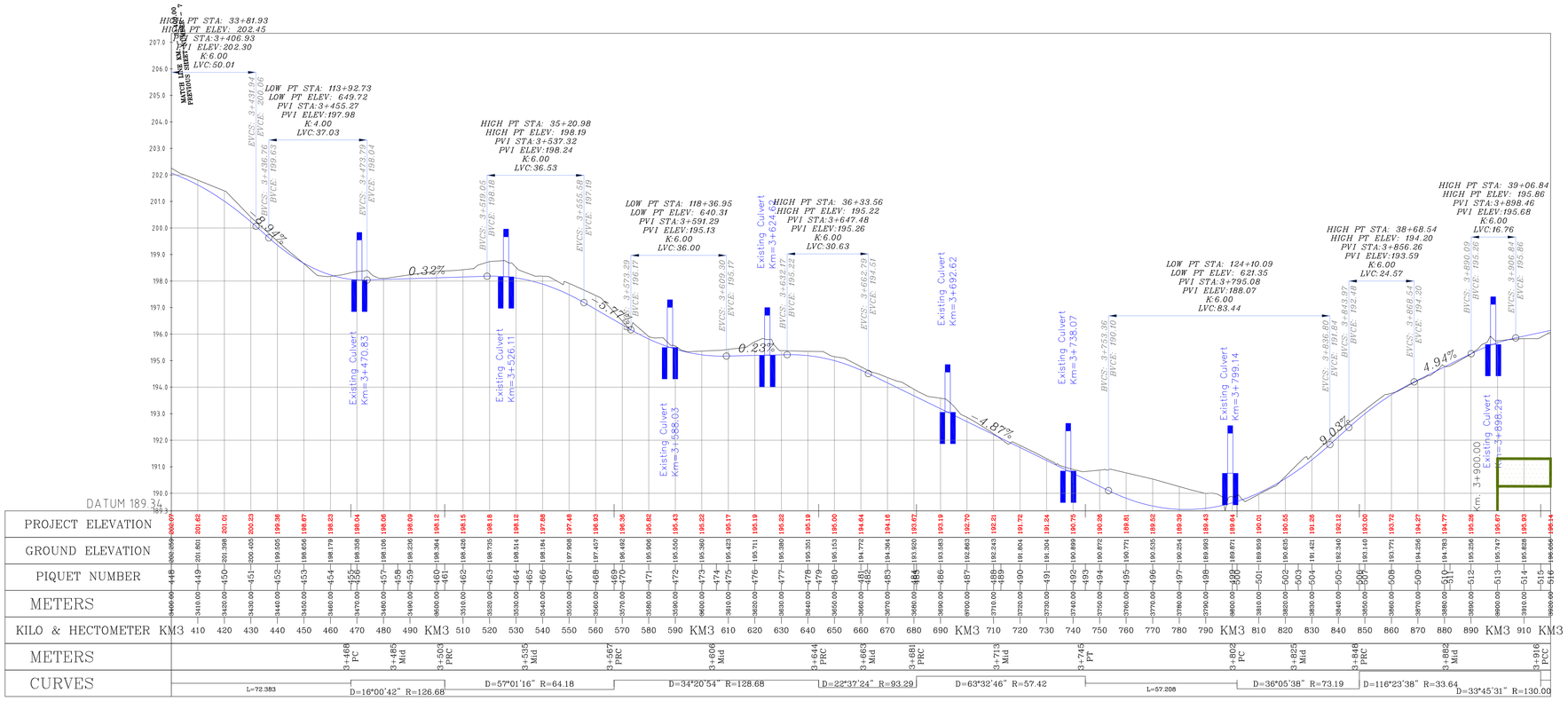
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	30	D02





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
FLOWLINE

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
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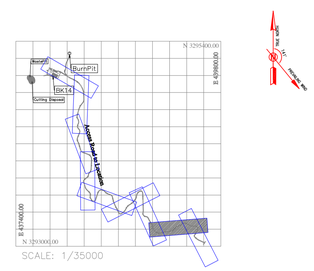
KEY PLAN



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	(439146.85,3293168.58)	(439182.09,3293170.23)
C43	64.18	63.88	N66° 48' 08.86"E	(439182.09,3293170.23)	(439238.41,3293194.37)
C44	128.68	77.14	N55° 27' 57.77"E	(439238.41,3293194.37)	(439301.02,3293237.45)
C45	93.29	36.83	N61° 19' 42.70"E	(439301.02,3293237.45)	(439333.12,3293255.01)

Station	Northing	Easting
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.
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	31 OF 103	D01

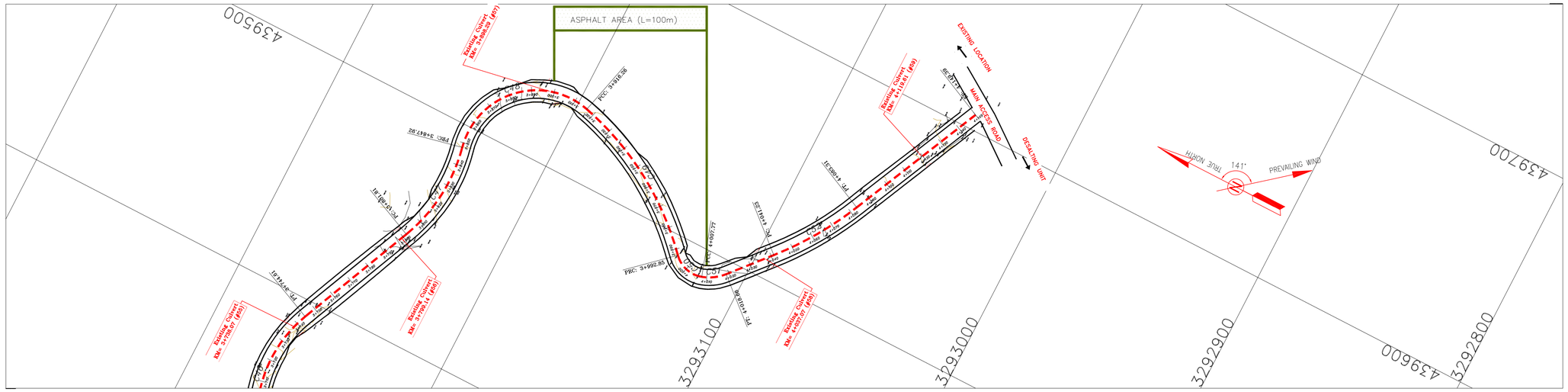
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

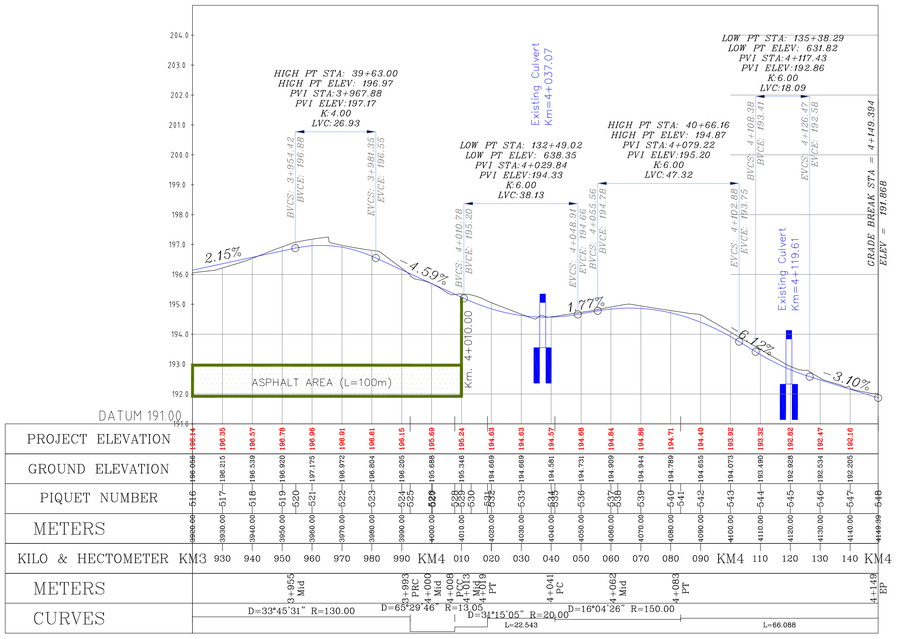
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	D02





NOTES

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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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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 (60, 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT
FLOWLINE

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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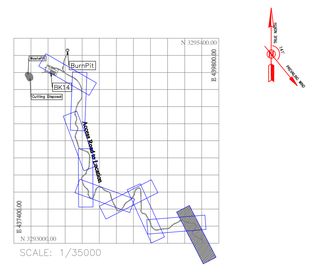
KEY PLAN



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.
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. BY	REV. 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

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
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	32 OF 103	D01	053-073-9184	F	4	S	708209	32	D02

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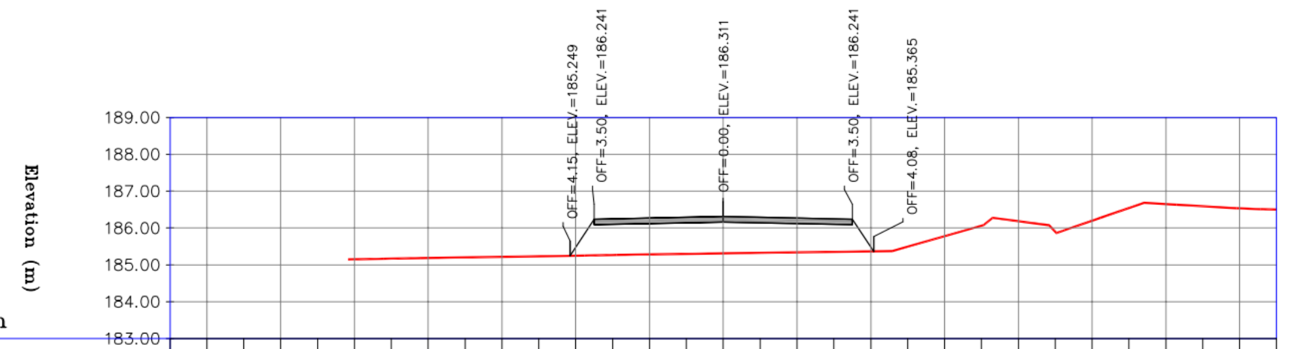

NATURAL GROUND ELEVATION					185.15	185.17	185.18	185.20	185.22	185.23	185.25	185.27	185.28	185.30	185.31	185.32	185.34	185.35	185.36	185.49	185.78	186.06	186.18	185.90	186.20	186.54	186.65	186.59	186.53
PROJECT ELEVATION											185.48	186.25	186.27	186.29	186.31	186.29	186.27	186.25	185.48										
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	13.73

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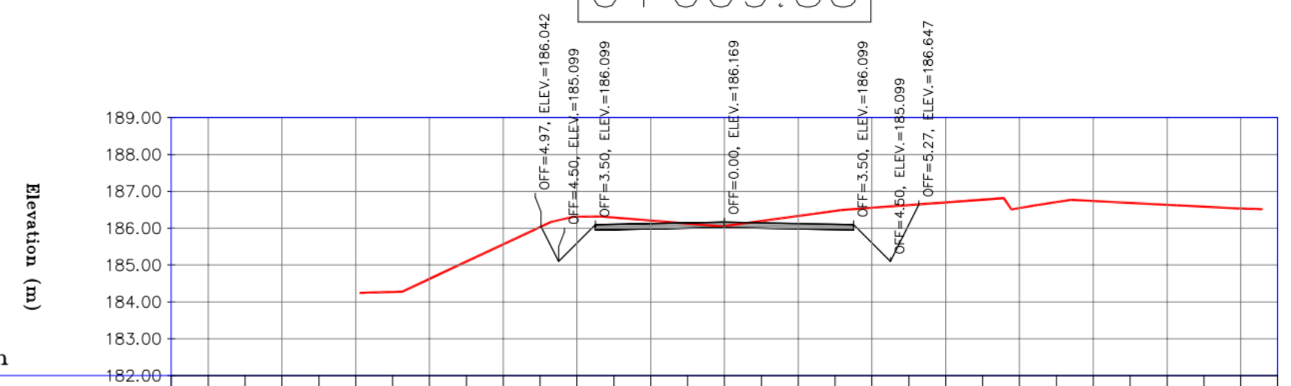
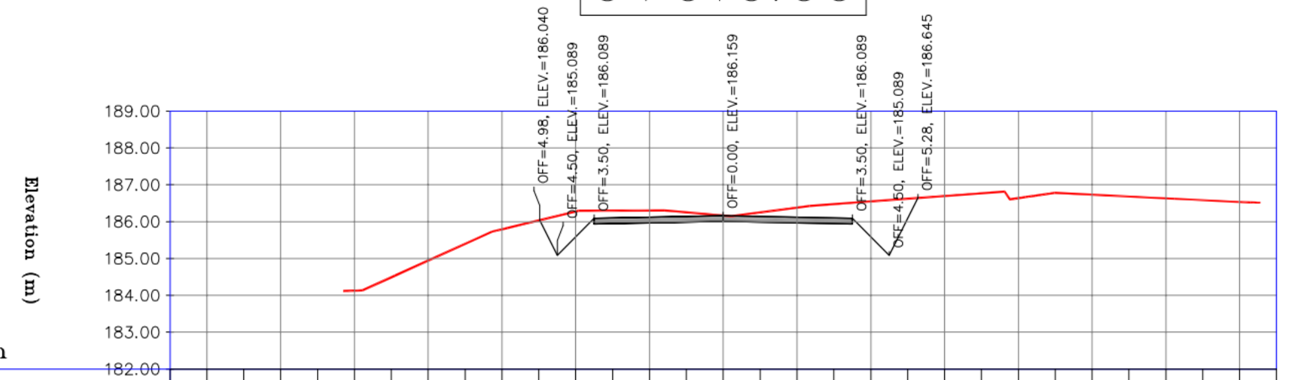


NATURAL GROUND ELEVATION						184.27	184.62	185.09	185.56	186.03	186.31	186.28	186.20	186.13	186.06	186.19	186.33	186.47	186.55	186.63	186.70	186.77	186.54	186.71	186.74	186.69	186.64	186.58	186.53
PROJECT ELEVATION											185.60	186.11	186.13	186.15	186.17	186.15	186.13	186.11	185.60	186.10									
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	13.92

0+010.00



NATURAL GROUND ELEVATION					184.13	184.49	184.95	185.40	185.79	186.03	186.27	186.30	186.30	186.25	186.17	186.25	186.38	186.48	186.55	186.62	186.70	186.77	186.64	186.78	186.73	186.68	186.63	186.58	186.53
PROJECT ELEVATION											185.59	186.10	186.12	186.14	186.16	186.14	186.12	186.10	185.59	186.09									
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	13.93

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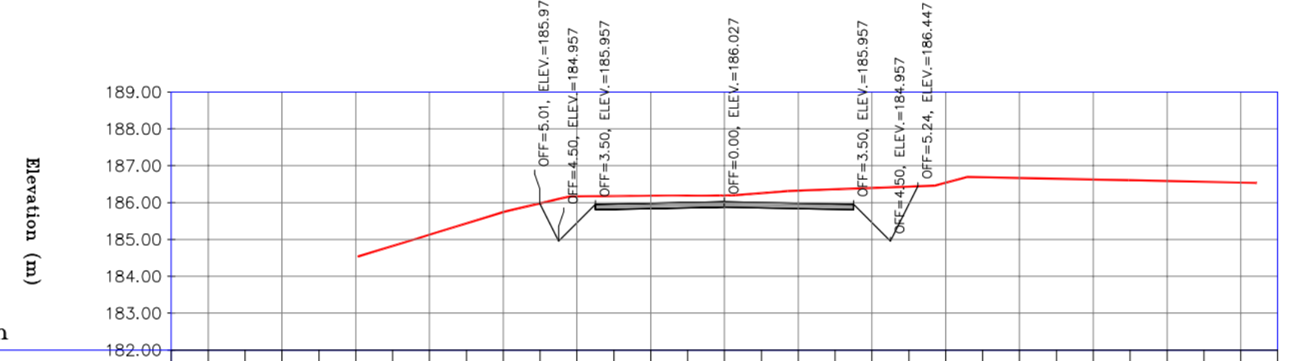
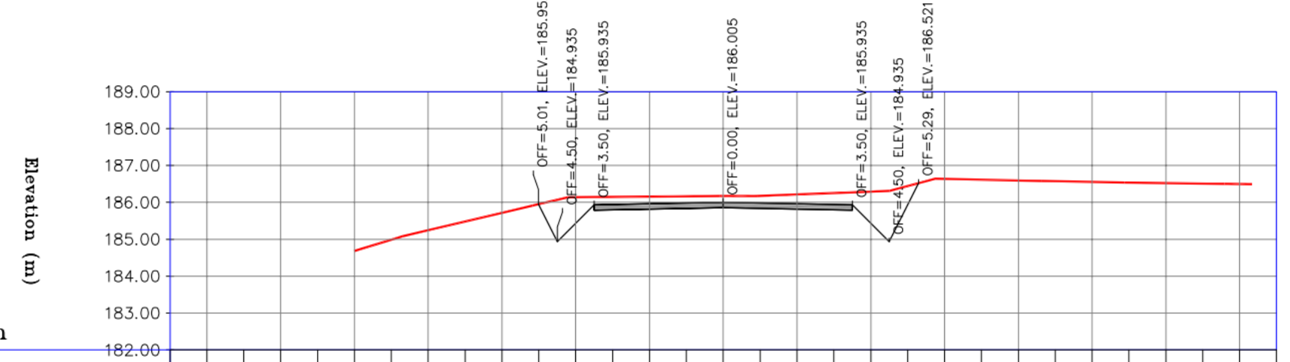


NATURAL GROUND ELEVATION						184.83	185.13	185.44	185.74	185.98	186.17	186.18	186.19	186.19	186.19	186.26	186.32	186.36	186.40	186.44	186.54	186.69	186.67	186.65	186.63	186.61	186.58	186.56	186.54
PROJECT ELEVATION										185.96	185.46	185.97	185.99	186.01	186.03	186.01	185.99	185.97	185.46	185.96									
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

0+020.00



NATURAL GROUND ELEVATION					184.68	184.99	185.24	185.48	185.72	185.95	186.14	186.15	186.16	186.17	186.17	186.18	186.22	186.25	186.29	186.44	186.64	186.62	186.60	186.57	186.55	186.53	186.52	186.51	186.50
PROJECT ELEVATION										185.94	185.44	185.95	185.97	185.99	186.01	185.99	185.97	185.95	185.44	185.94									
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

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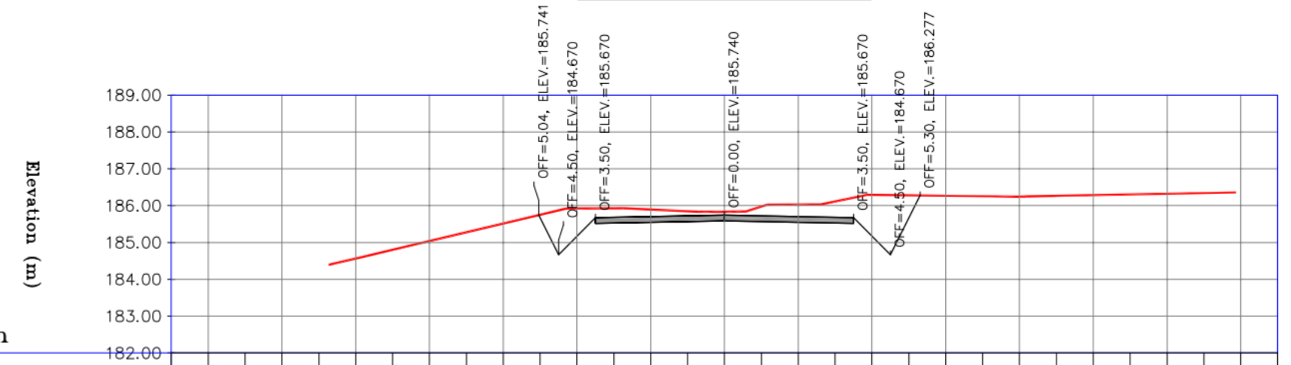

NATURAL GROUND ELEVATION					184.56	184.80	185.04	185.28	185.51	185.75	185.92	185.93	185.89	185.85	185.84	185.98	186.03	186.11	186.29	186.28	186.27	186.26	186.24	186.26	186.28	186.30	186.32	186.34	
PROJECT ELEVATION										185.67	185.17	185.68	185.70	185.72	185.74	185.72	185.70	185.68	185.17	185.67									
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

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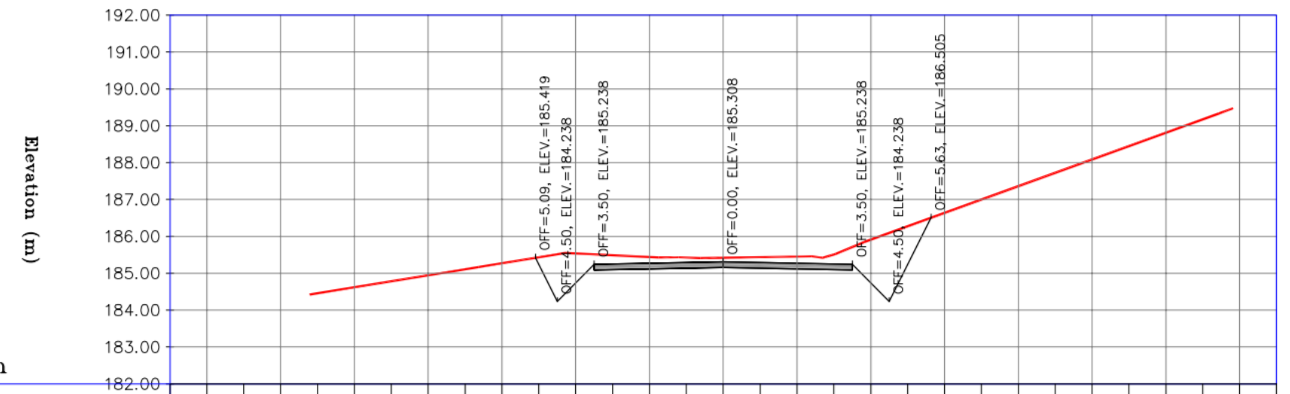

NATURAL GROUND ELEVATION				184.45	184.62	184.78	184.94	185.11	185.27	185.43	185.54	185.49	185.44	185.43	185.42	185.44	185.45	185.51	185.91	186.27	186.64	187.00	187.36	187.72	188.09	188.45	188.81	189.17	
PROJECT ELEVATION										185.24	184.74	185.25	185.27	185.29	185.31	185.29	185.27	185.25	184.74	185.24									
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

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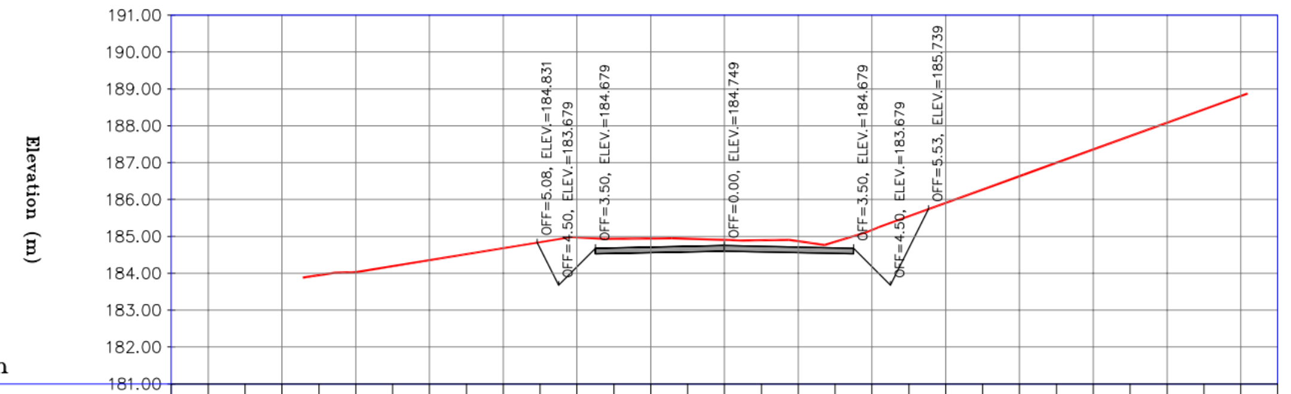


NATURAL GROUND ELEVATION				183.94	184.03	184.19	184.35	184.52	184.68	184.84	184.97	184.94	184.94	184.93	184.90	184.89	184.87	184.85	185.17	185.55	185.91	186.27	186.63	187.00	187.36	187.72	188.08	188.45	188.81
PROJECT ELEVATION										184.68	184.18	184.69	184.71	184.73	184.75	184.73	184.71	184.69	184.18	184.68									
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

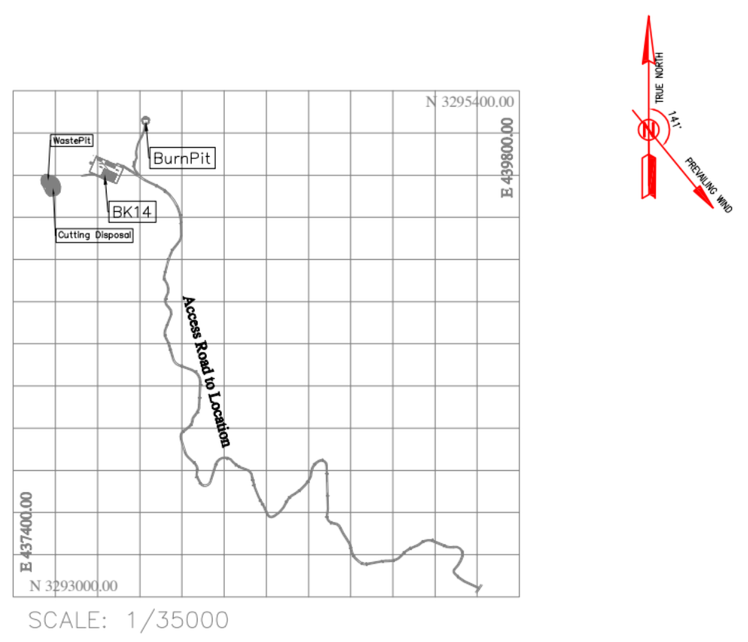
⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
🟥	CAMP SITE	60 50	CONTOURS
—	ASPHALT ROAD	99.27	SPOT HEIGHT
—	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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.	

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

EPC CONTRACTOR:

HIRGAN ENERGY
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
ACCESS ROAD TRANSVERSAL SECTIONS

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	33 OF 103	D01	053–073–9184	F	4	S	708209	33	D02

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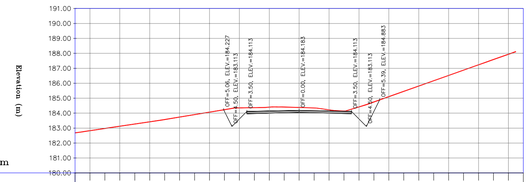
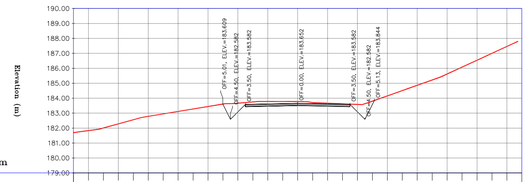


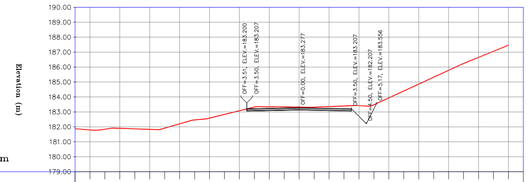
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	182.83	
-13.00	182.98	
-12.00	183.13	
-11.00	183.27	
-10.00	183.42	
-9.00	183.57	
-8.00	183.74	
-7.00	183.91	
-6.00	184.07	
-5.00	184.24	
-4.00	184.35	183.61
-3.00	184.37	184.12
-2.00	184.40	184.14
-1.00	184.41	184.16
0.00	184.38	184.18
1.00	184.35	184.16
2.00	184.22	184.14
3.00	184.15	184.12
4.00	184.42	183.61
5.00	184.75	184.11
6.00	185.10	
7.00	185.46	
8.00	185.81	
9.00	186.17	
10.00	186.52	
11.00	186.88	
12.00	187.23	
13.00	187.59	
14.00	187.94	

0+070.00



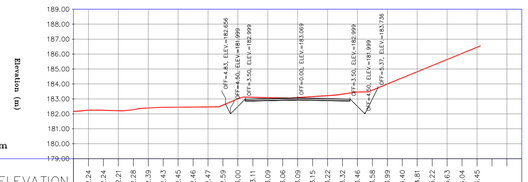
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	181.83	
-13.00	182.00	
-12.00	182.28	
-11.00	182.56	
-10.00	182.78	
-9.00	182.95	
-8.00	183.11	
-7.00	183.28	
-6.00	183.45	
-5.00	183.61	183.58
-4.00	183.67	183.08
-3.00	183.75	183.59
-2.00	183.78	183.61
-1.00	183.78	183.63
0.00	183.78	183.65
1.00	183.71	183.63
2.00	183.67	183.61
3.00	183.63	183.59
4.00	183.59	183.58
5.00	183.80	183.58
6.00	184.15	
7.00	184.51	
8.00	184.86	
9.00	185.22	
10.00	185.62	
11.00	186.08	
12.00	186.54	
13.00	187.00	
14.00	187.46	

0+080.00



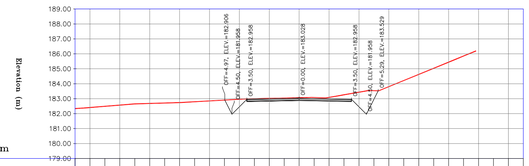
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	181.79	
-13.00	181.84	
-12.00	181.90	
-11.00	181.87	
-10.00	181.83	
-9.00	181.91	
-8.00	182.20	
-7.00	182.46	
-6.00	182.59	
-5.00	183.08	
-4.00	183.32	183.22
-3.00	183.34	183.24
-2.00	183.34	183.26
-1.00	183.32	183.28
0.00	183.35	183.26
1.00	183.31	183.24
2.00	183.40	183.22
3.00	183.42	182.71
4.00	183.48	183.21
5.00	183.94	
6.00	184.40	
7.00	184.86	
8.00	185.32	
9.00	185.78	
10.00	186.24	
11.00	186.65	
12.00	187.06	
13.00	187.47	
14.00		

0+090.00



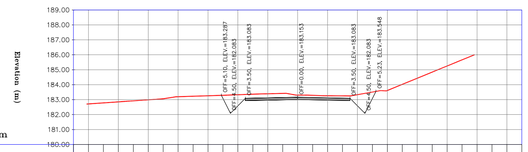
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	182.24	
-13.00	182.24	
-12.00	182.21	
-11.00	182.28	
-10.00	182.39	
-9.00	182.43	
-8.00	182.45	
-7.00	182.46	
-6.00	182.47	
-5.00	182.59	
-4.00	183.00	182.50
-3.00	183.11	183.01
-2.00	183.09	183.03
-1.00	183.06	183.05
0.00	183.09	183.07
1.00	183.15	183.05
2.00	183.22	183.03
3.00	183.32	183.01
4.00	183.46	182.50
5.00	183.58	183.00
6.00	183.99	
7.00	184.40	
8.00	184.81	
9.00	185.22	
10.00	185.63	
11.00	186.04	
12.00	186.45	
13.00		
14.00		

0+100.00



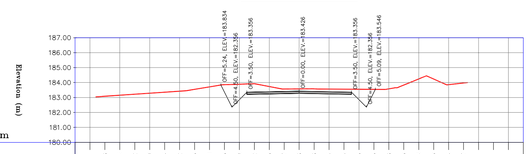
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	182.41	
-13.00	182.49	
-12.00	182.57	
-11.00	182.65	
-10.00	182.68	
-9.00	182.71	
-8.00	182.74	
-7.00	182.79	
-6.00	182.85	
-5.00	182.91	
-4.00	182.96	182.46
-3.00	182.99	182.97
-2.00	183.02	182.99
-1.00	183.03	183.01
0.00	183.06	183.03
1.00	183.08	183.01
2.00	183.09	182.99
3.00	183.26	182.97
4.00	183.43	182.46
5.00	183.54	182.96
6.00	183.80	
7.00	184.21	
8.00	184.62	
9.00	185.03	
10.00	185.44	
11.00	185.85	
12.00		
13.00		
14.00		

0+110.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	182.71	
-13.00	182.78	
-12.00	182.85	
-11.00	182.92	
-10.00	182.98	
-9.00	183.05	
-8.00	183.19	
-7.00	183.23	
-6.00	183.26	
-5.00	183.29	183.08
-4.00	183.33	182.58
-3.00	183.36	183.09
-2.00	183.39	183.11
-1.00	183.42	183.13
0.00	183.30	183.15
1.00	183.29	183.13
2.00	183.26	183.11
3.00	183.25	183.09
4.00	183.33	182.58
5.00	183.51	183.08
6.00	183.61	
7.00	184.02	
8.00	184.43	
9.00	184.84	
10.00	185.25	
11.00	185.66	
12.00		
13.00		
14.00		

0+120.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	183.08	
-13.00	183.15	
-12.00	183.22	
-11.00	183.29	
-10.00	183.36	
-9.00	183.42	
-8.00	183.55	
-7.00	183.71	
-6.00	183.85	
-5.00	183.89	
-4.00	183.92	183.36
-3.00	183.73	182.86
-2.00	183.57	183.37
-1.00	183.58	183.39
0.00	183.58	183.41
1.00	183.56	183.43
2.00	183.41	183.41
3.00	183.39	183.39
4.00	183.37	182.86
5.00	183.55	183.36
6.00	183.58	
7.00	183.83	
8.00	184.24	
9.00	184.23	
10.00	183.86	
11.00	183.97	
12.00		
13.00		
14.00		

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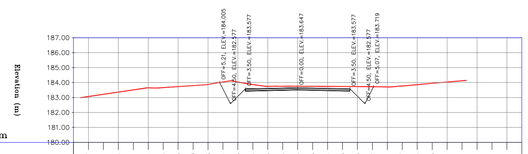


DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	183.07	
-13.00	183.21	
-12.00	183.36	
-11.00	183.51	
-10.00	183.66	
-9.00	183.73	
-8.00	183.80	
-7.00	183.88	
-6.00	184.04	
-5.00	184.03	183.58
-4.00	183.86	183.08
-3.00	183.75	183.59
-2.00	183.61	183.61
-1.00	183.63	183.63
0.00	183.76	183.65
1.00	183.75	183.63
2.00	183.74	183.61
3.00	183.73	183.59
4.00	183.73	183.08
5.00	183.72	183.58
6.00	183.77	
7.00	183.77	
8.00	183.86	
9.00	183.95	
10.00	184.04	
11.00	184.12	
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.
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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	34 OF 103	D01

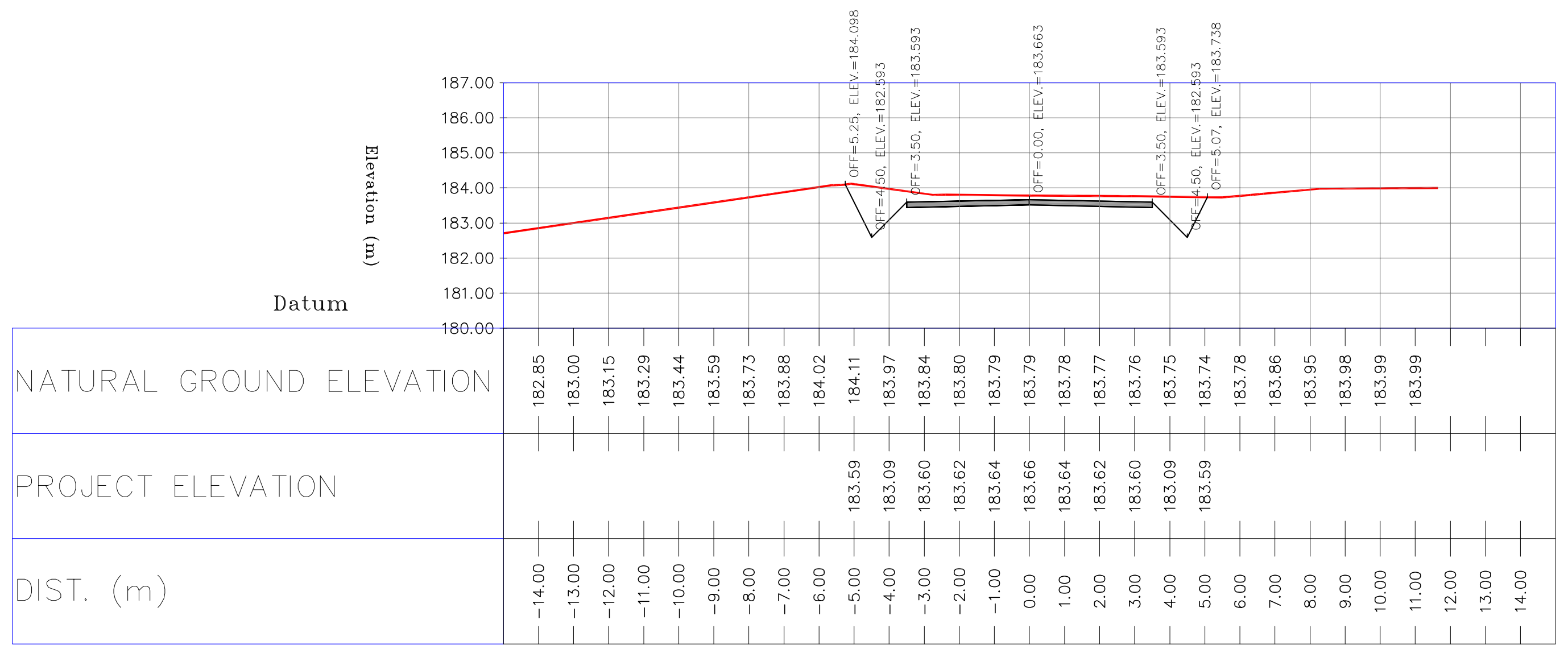
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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	D02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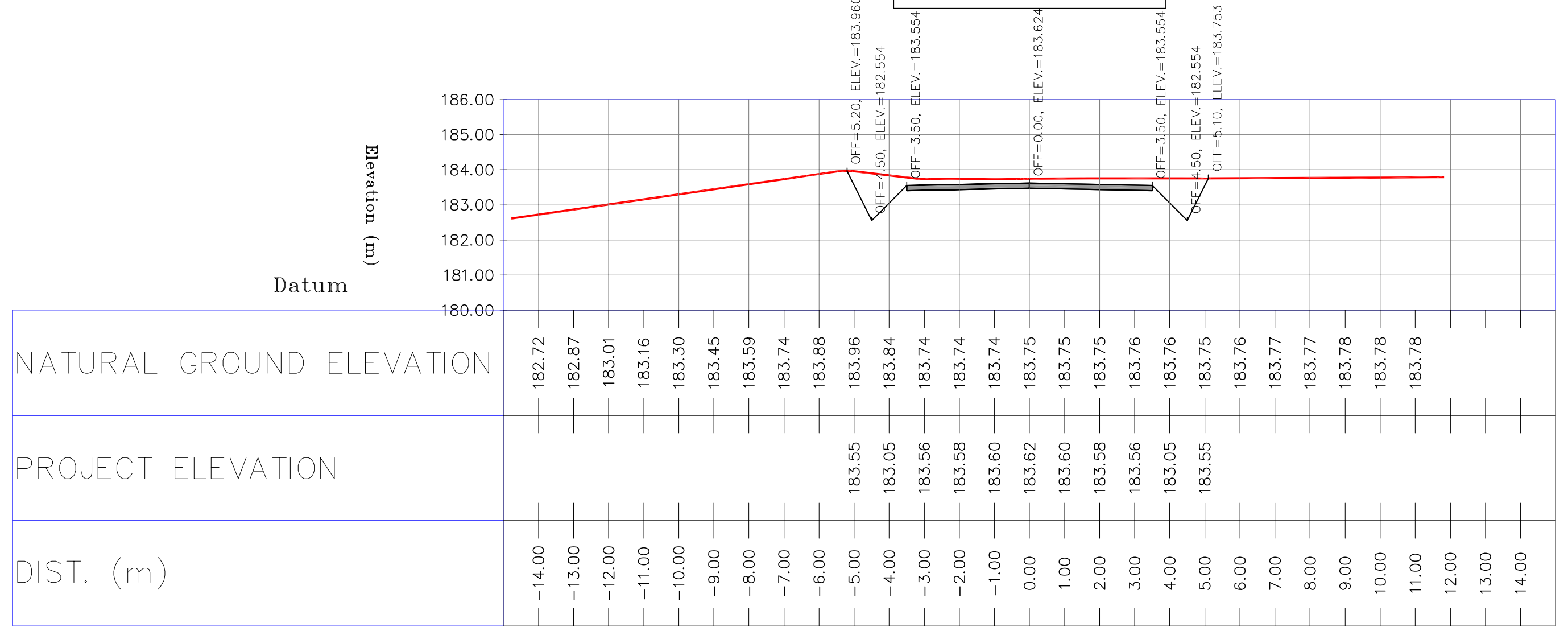
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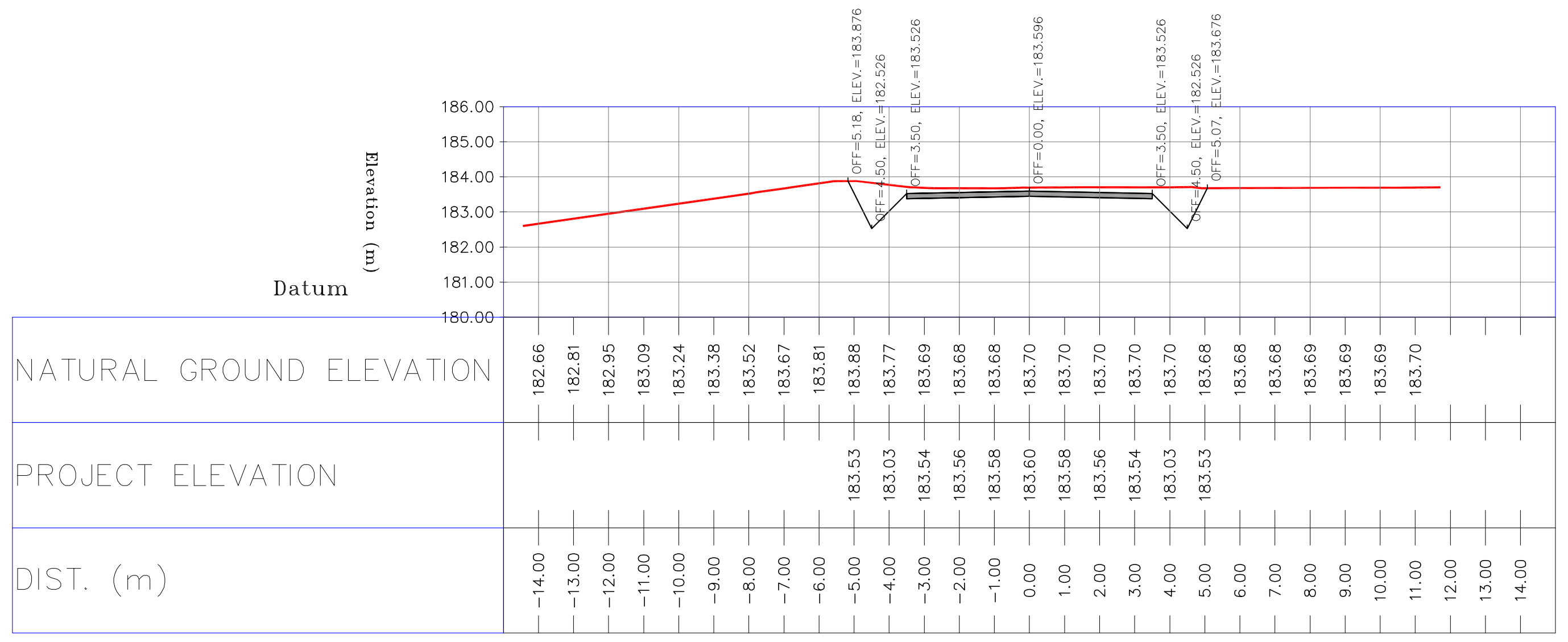
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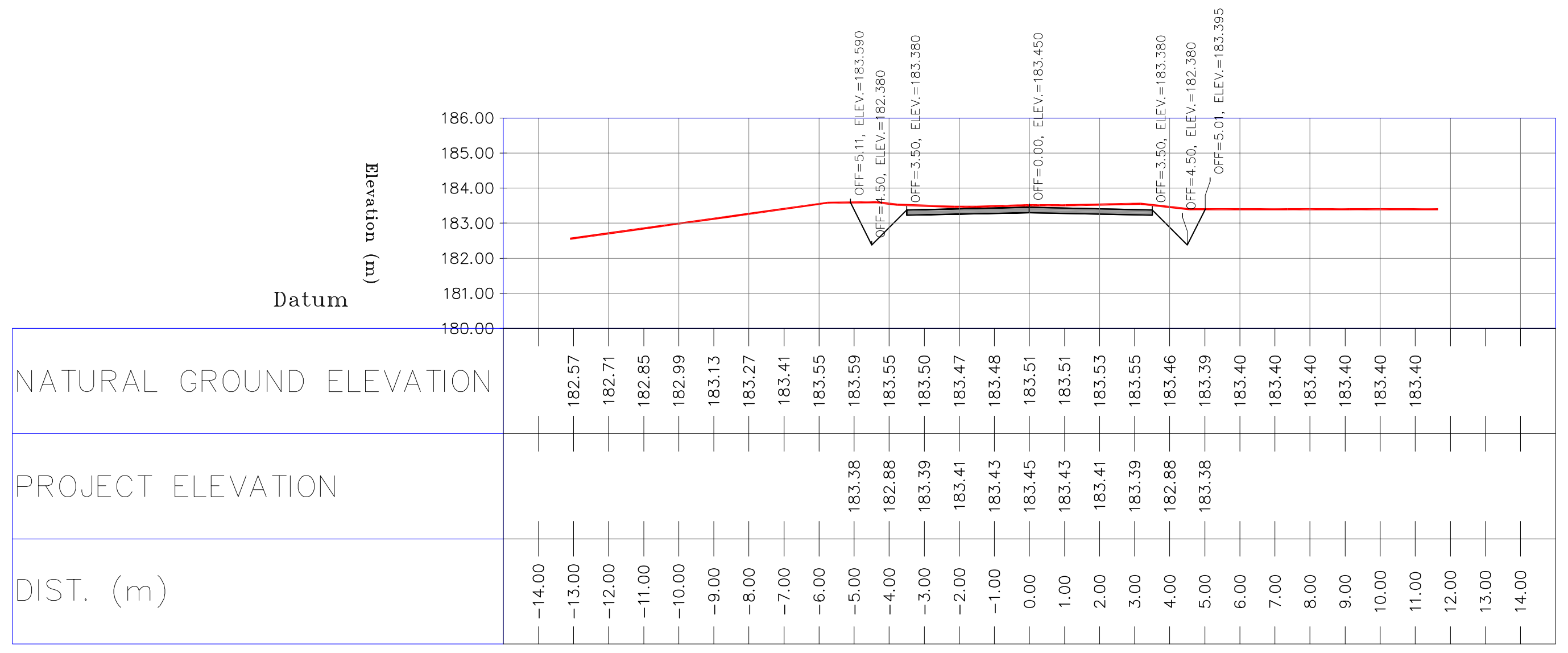
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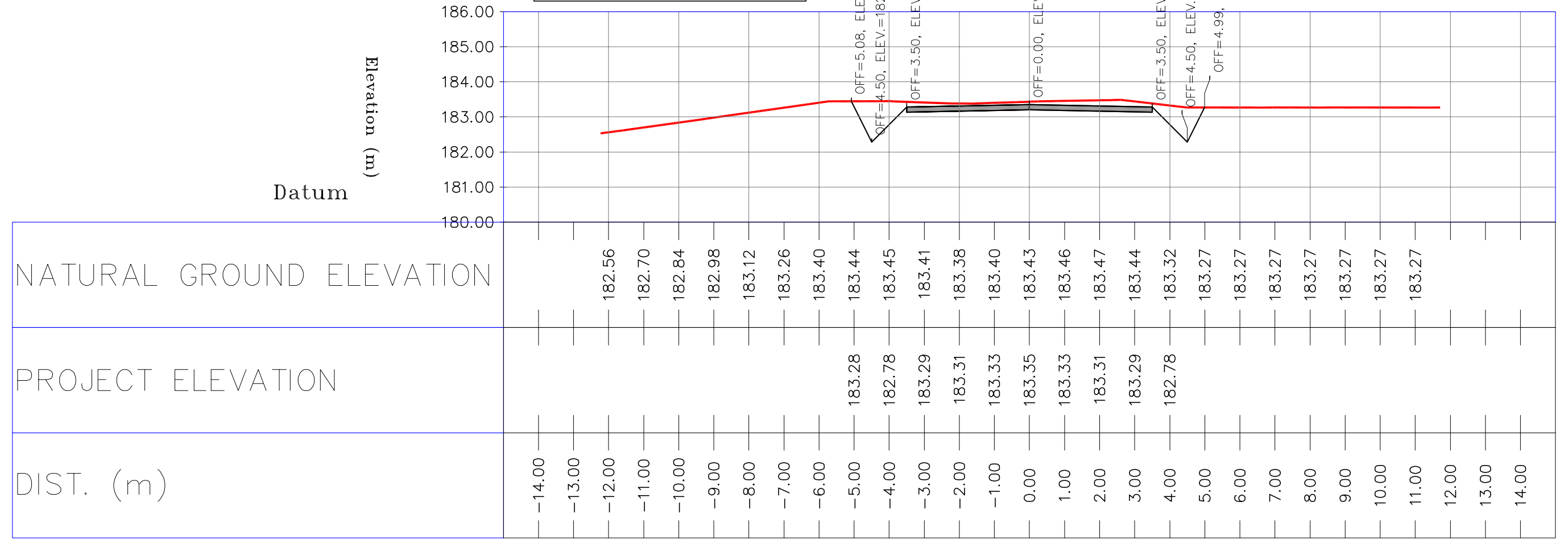
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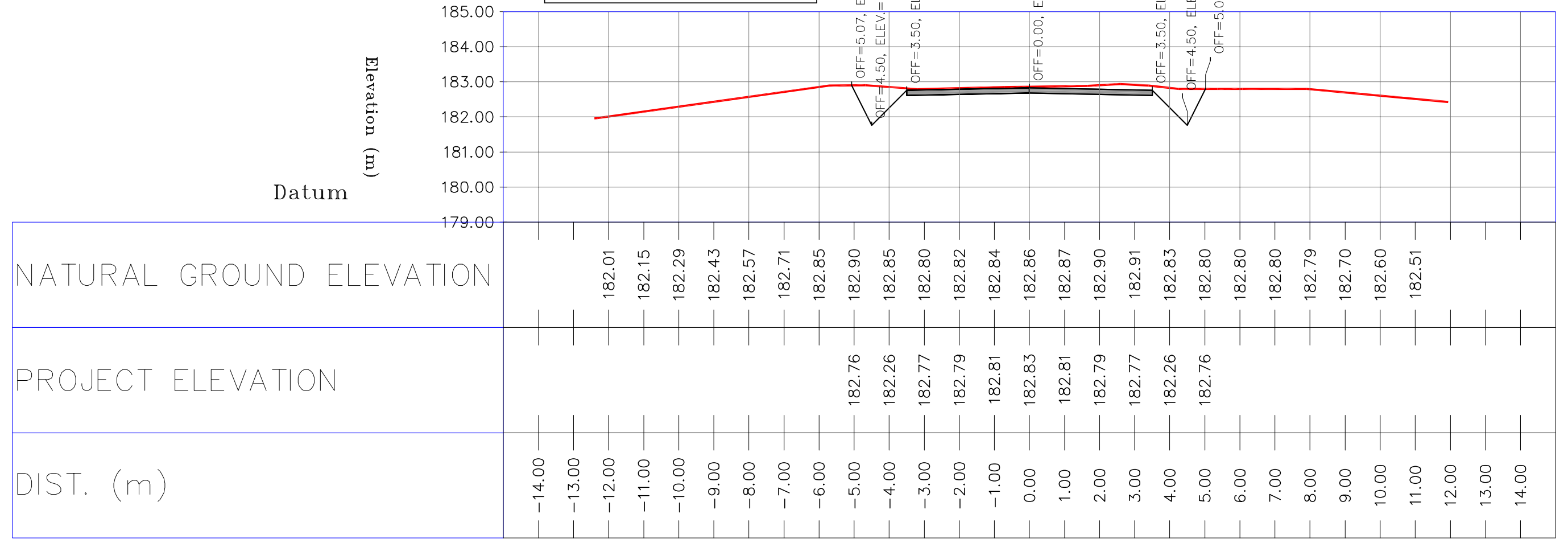
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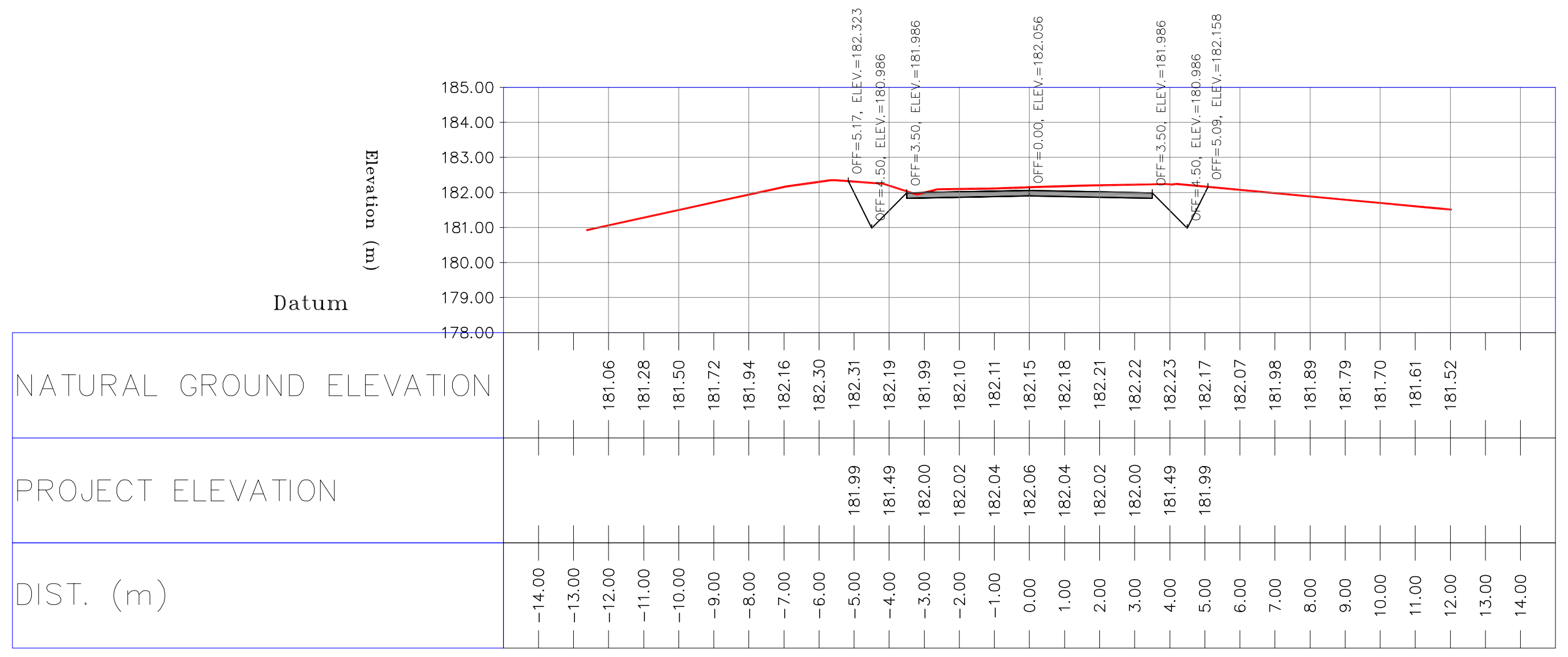
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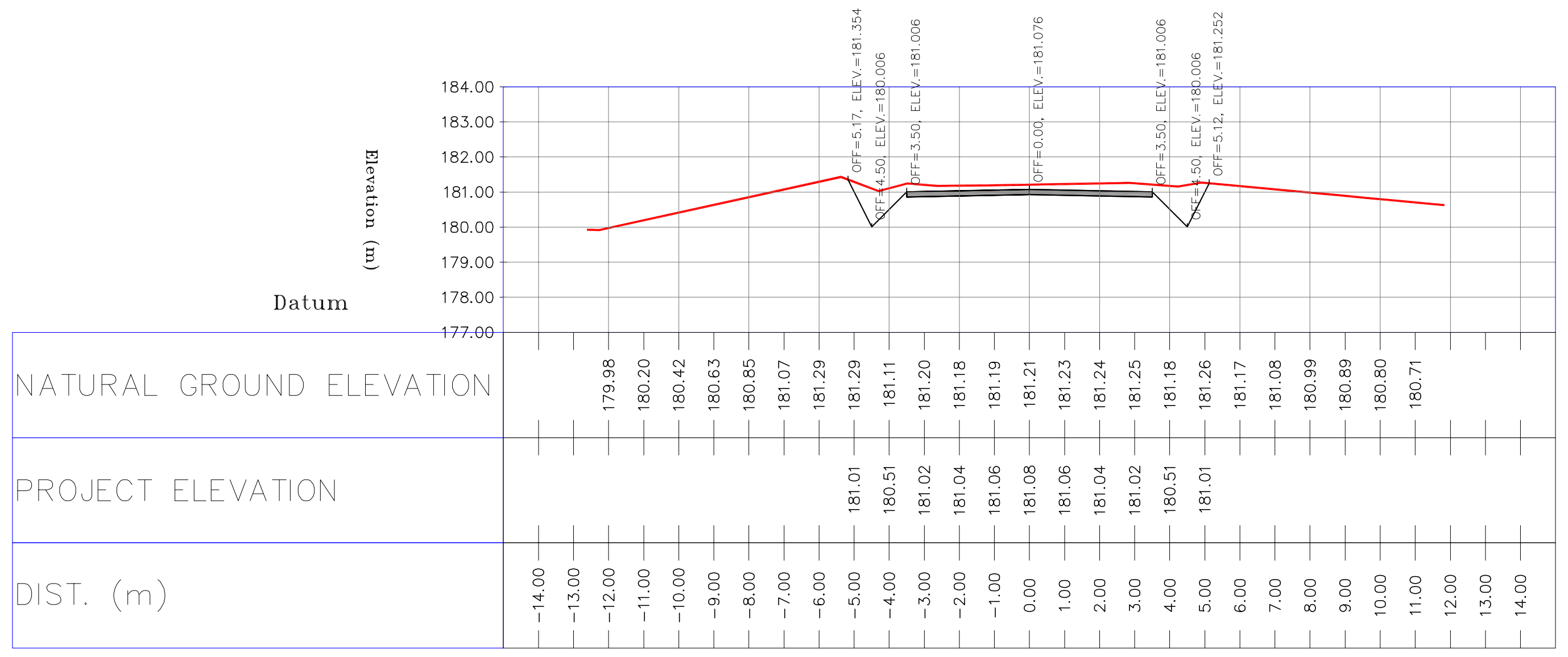
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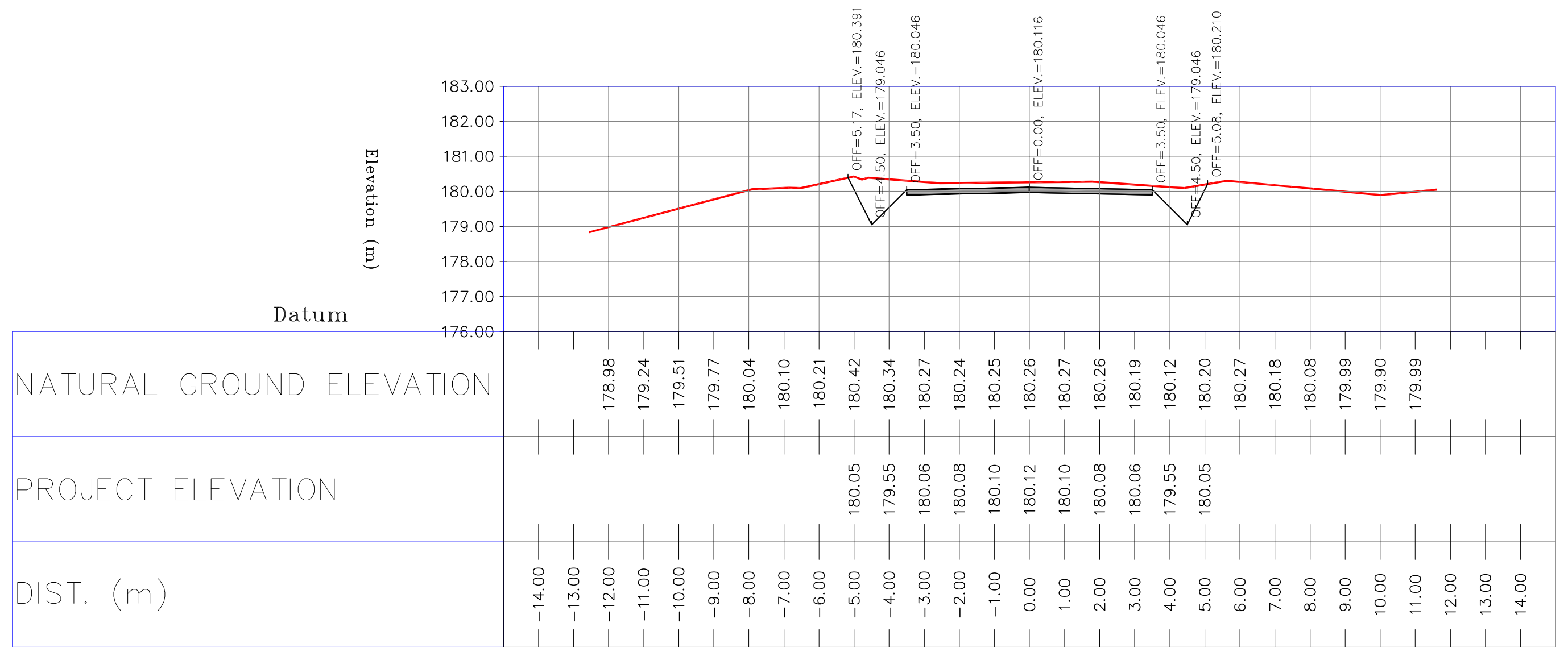
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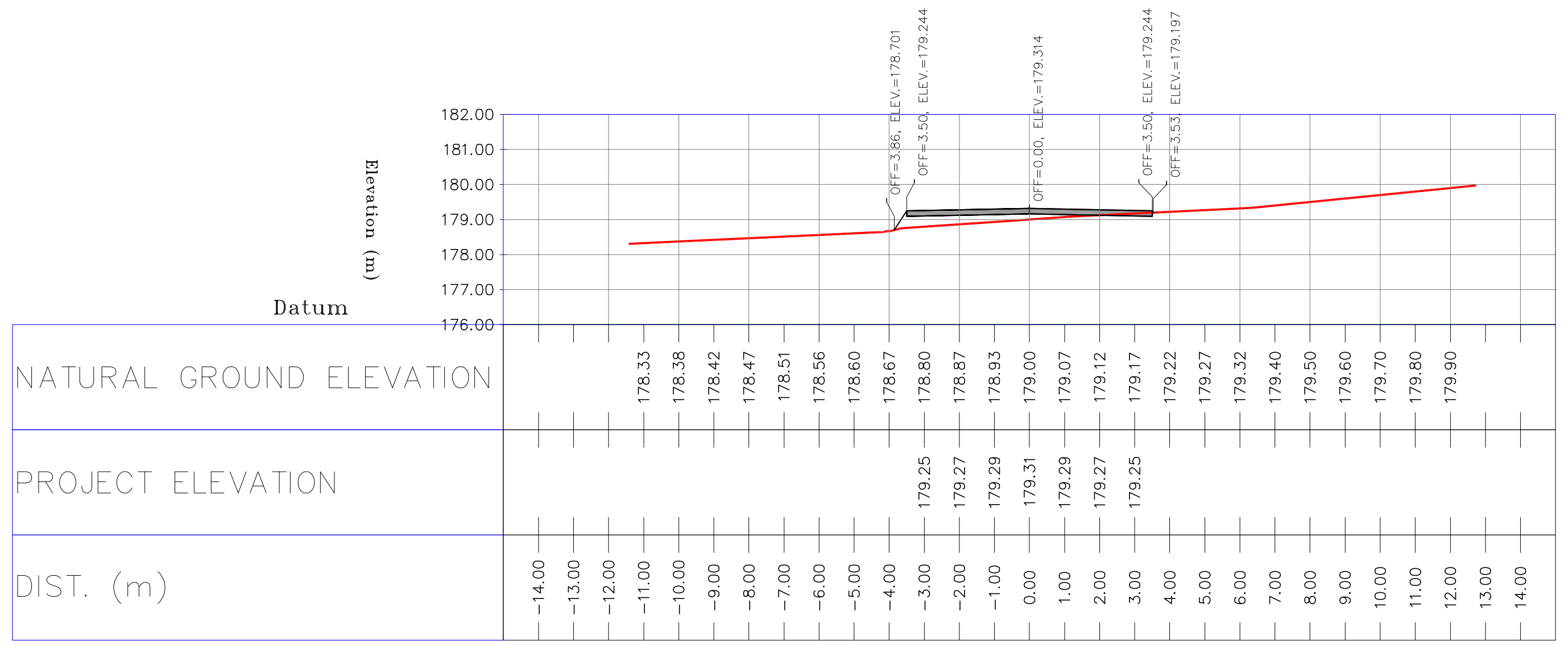
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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

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- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.

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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
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
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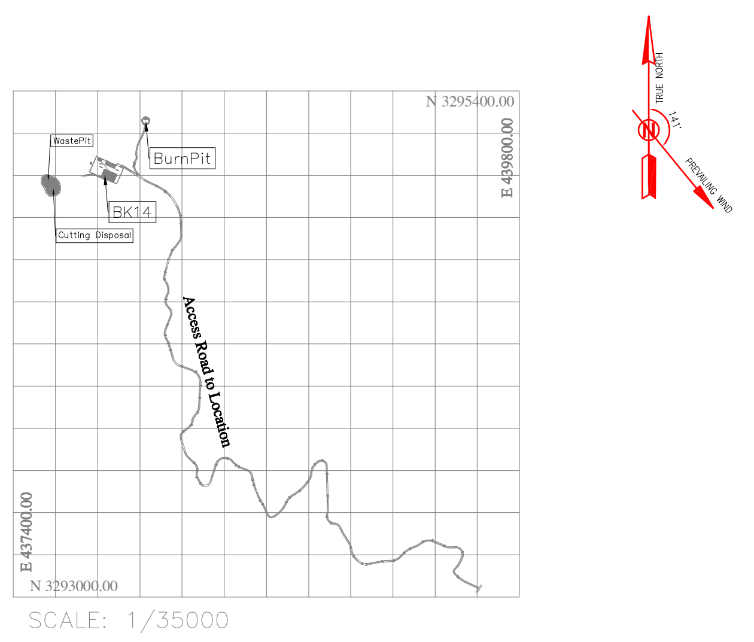
KEY PLAN



SCALE: 1/35000

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

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

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):
PEDCO
PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

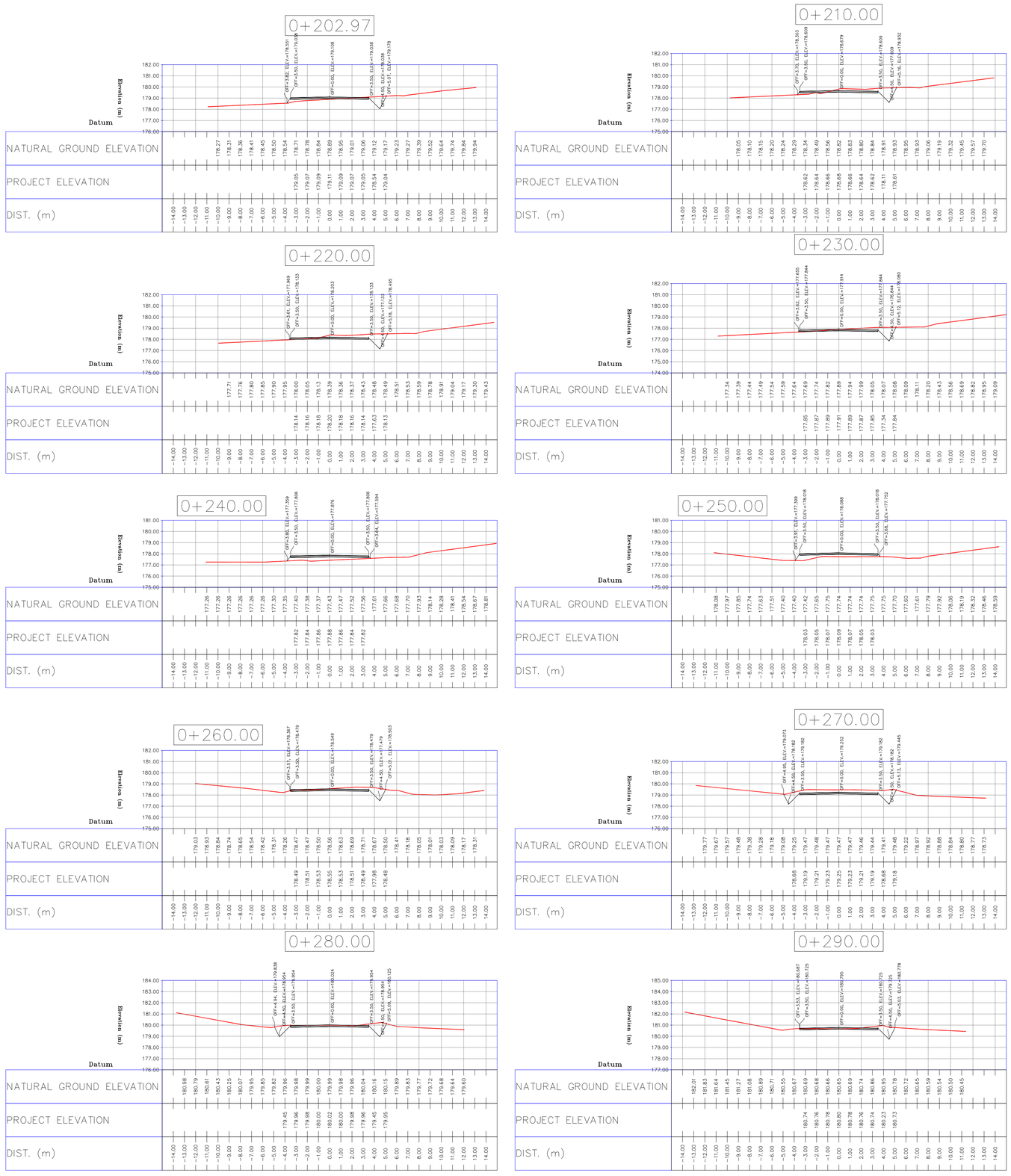
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

DRAWING TITLE:
CIVIL AND STRUCTURAL DRAWINGS – BK14
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	35 OF 103	D01

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	35	D02



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

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".
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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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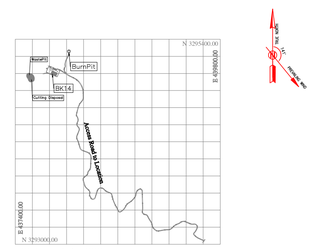
KEY PLAN



SCALE: 1/35000

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

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 TRANSVERSAL SECTIONS

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

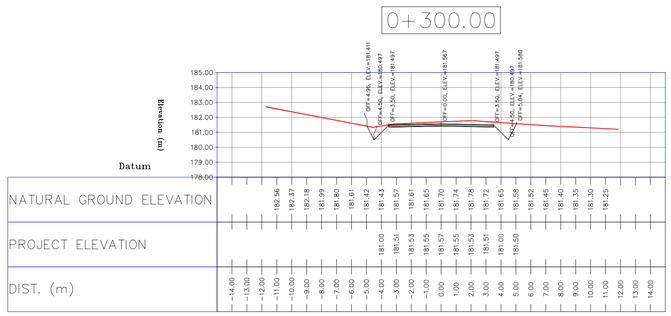
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

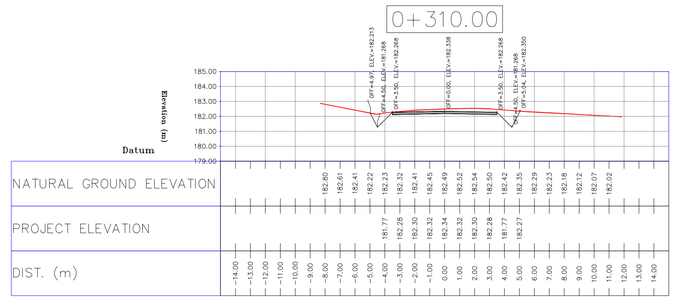
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

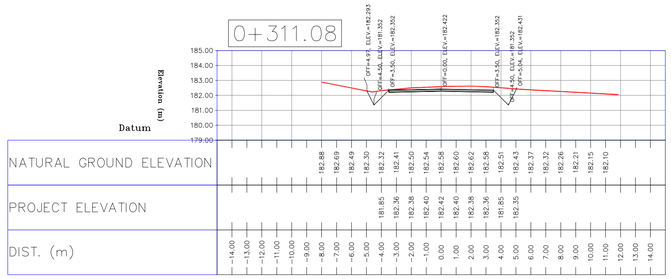
APPROVED FOR CONSTRUCTION | BY: | DATE:

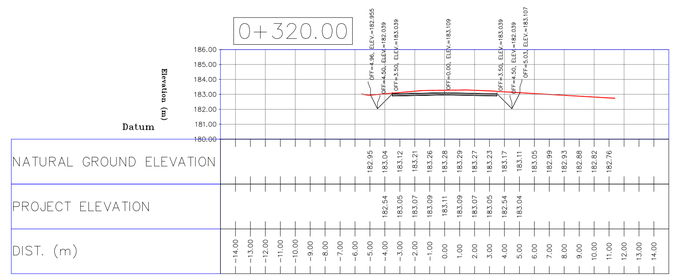
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	36 OF 103	D01

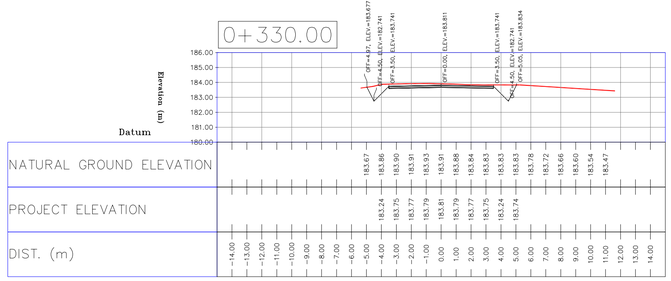
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	36	D02

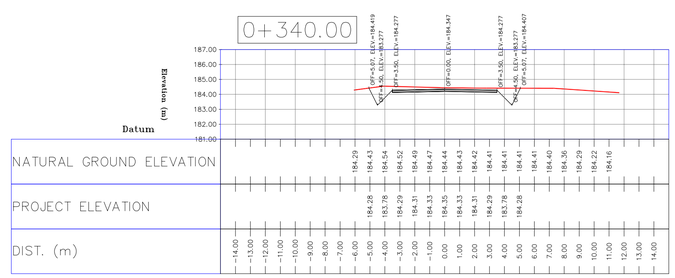


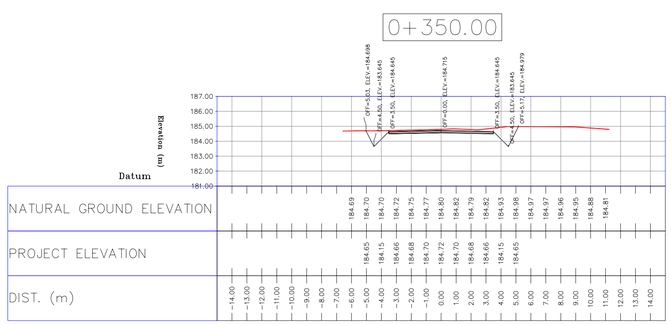


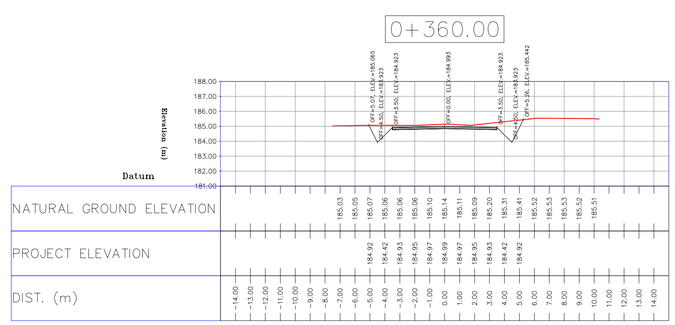


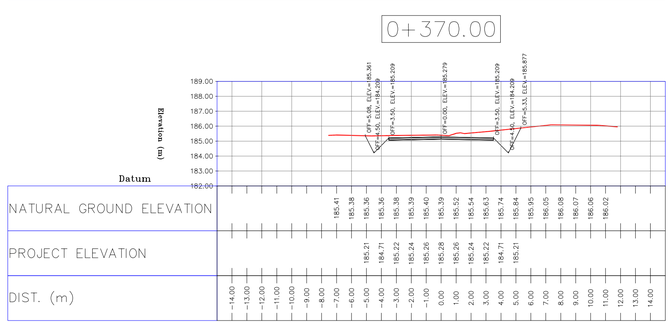


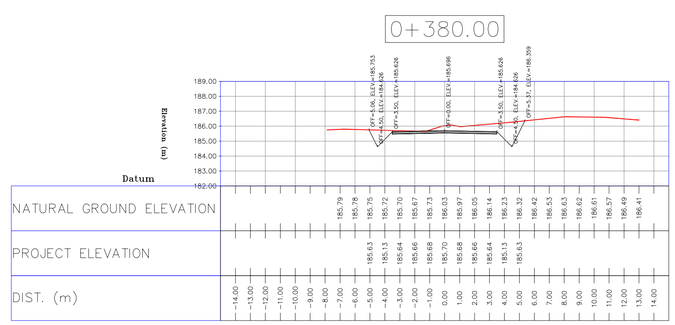












NOTES

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

ABBREVIATION

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PVI= POINT OF VRTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
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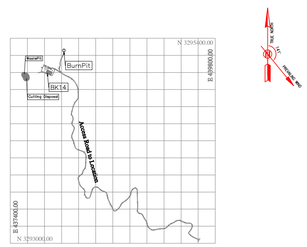
KEY PLAN



SCALE: 1/35000

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

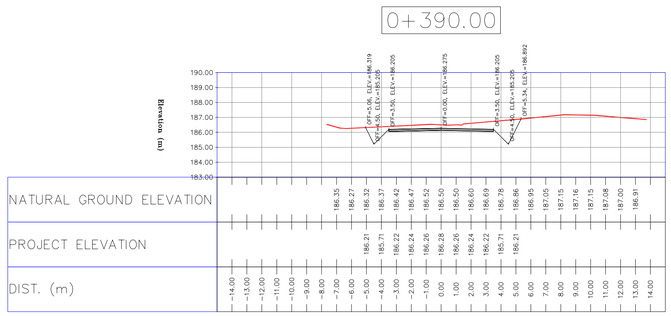
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
ACCESS ROAD TRANSVERSAL SECTIONS

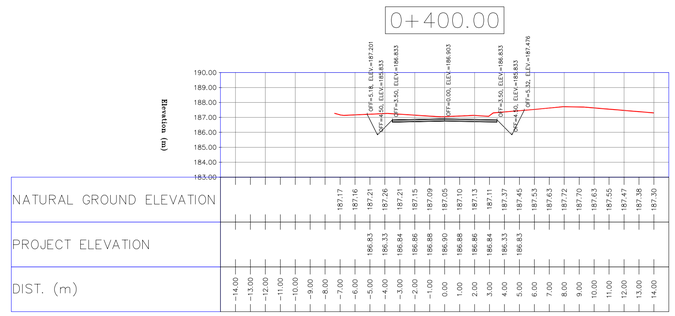
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

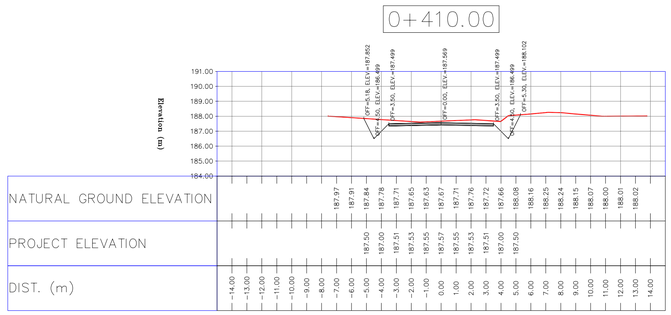
APPROVED FOR CONSTRUCTION | BY: | DATE:

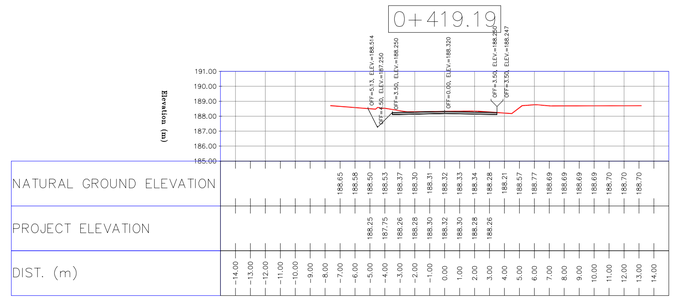
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	37 OF 103	D01

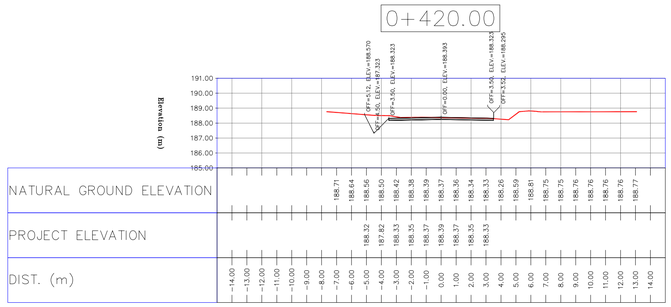
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	37	D02

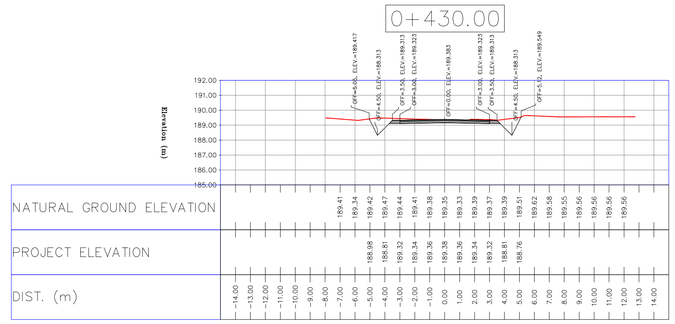


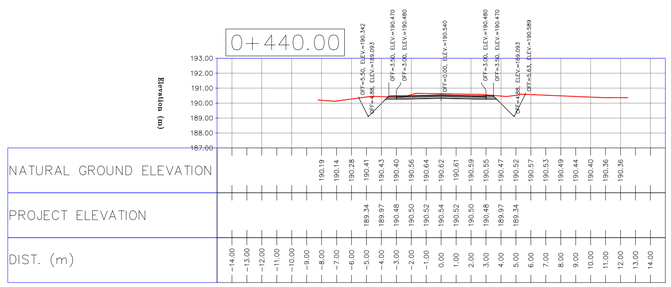


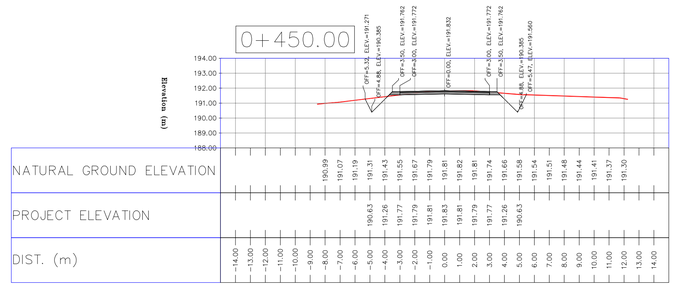


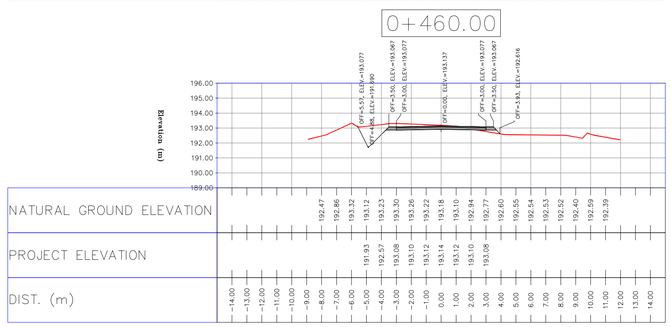


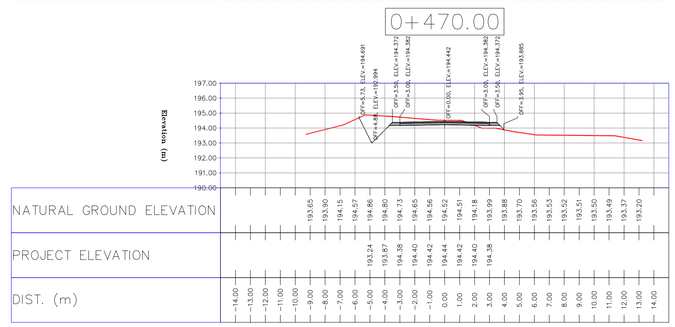












NOTES

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

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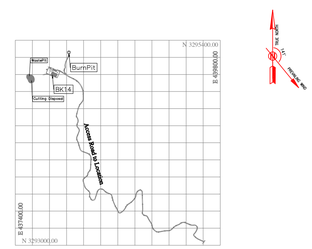
KEY PLAN



SCALE: 1/35000

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

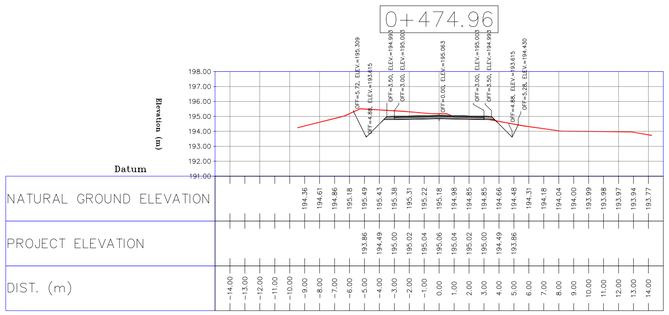
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

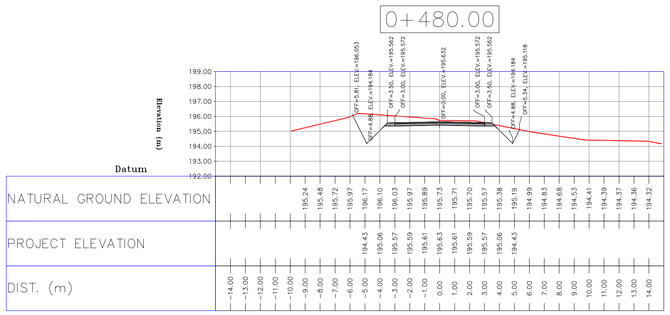
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

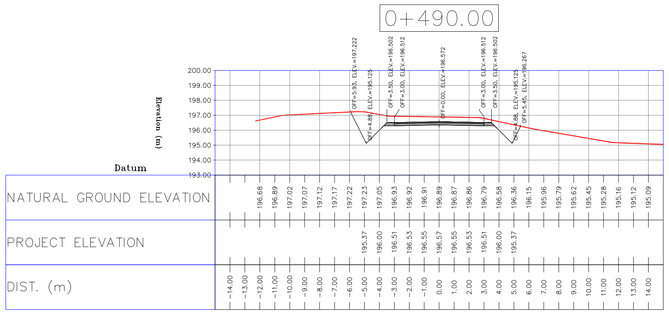
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

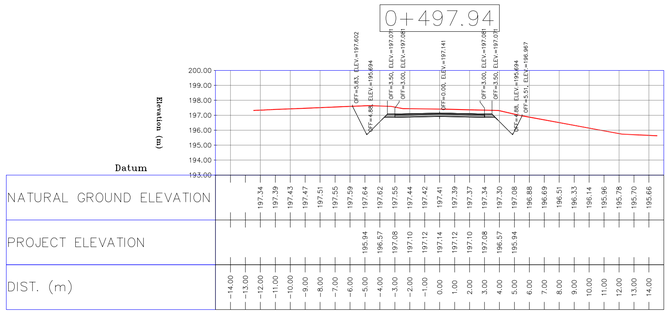
APPROVED FOR CONSTRUCTION | BY: | DATE:

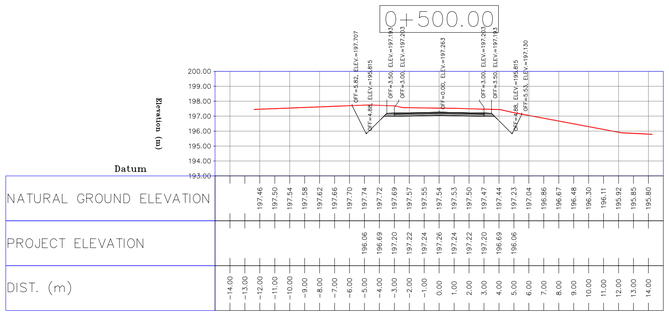
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	38 OF 103	D01	053-073-9184	F	4	S	708209	38	D02

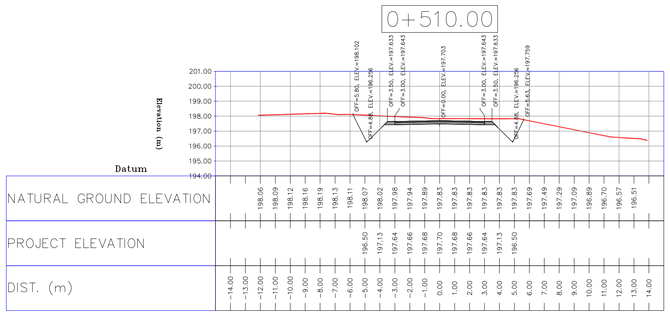


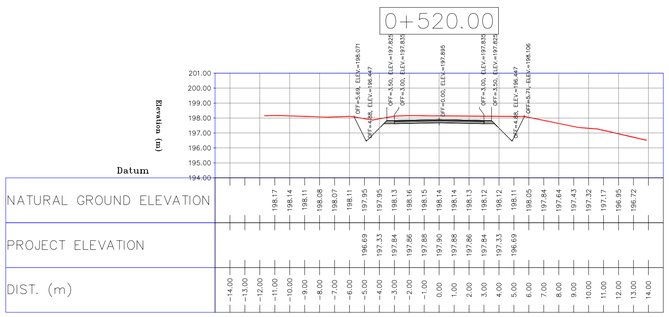


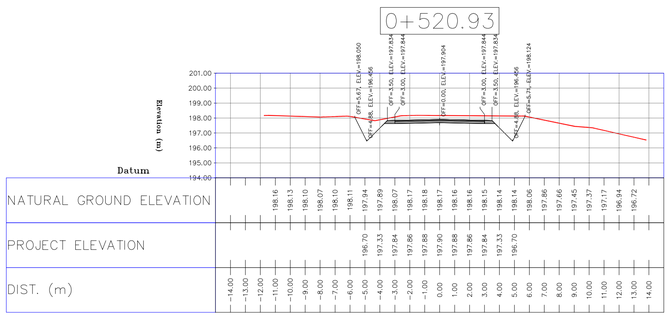












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SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
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REFERENCE DRAWING	DRG. No.
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KEY PLAN

SCALE: 1/35000

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

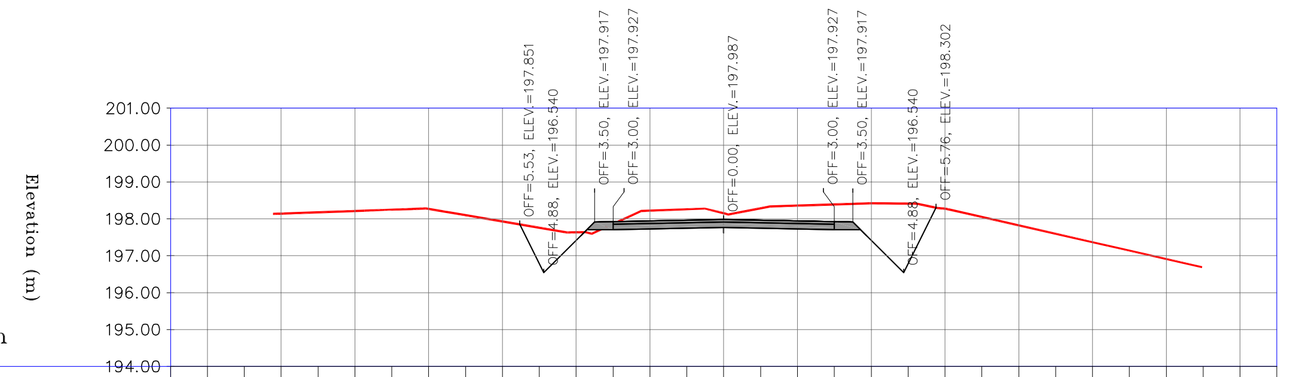
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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	39 OF 103	D01

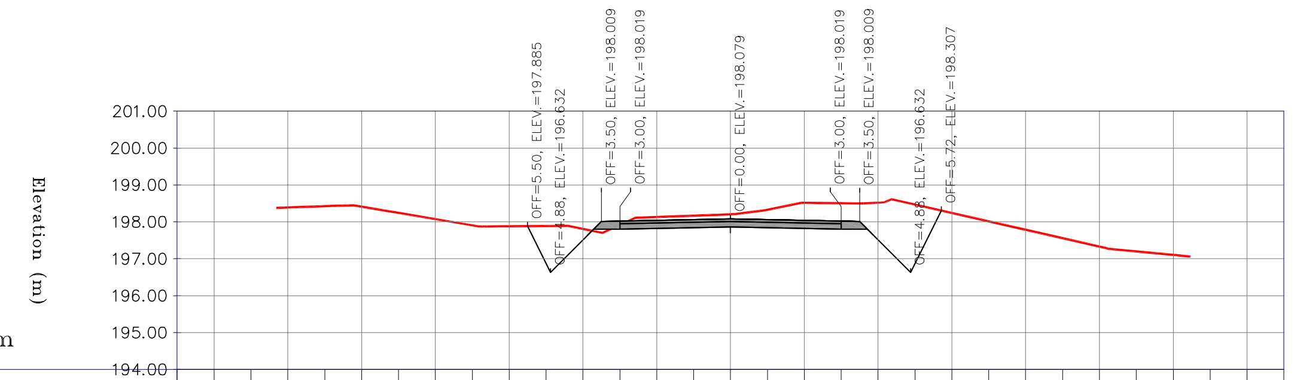
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	39	D02

0+530.00



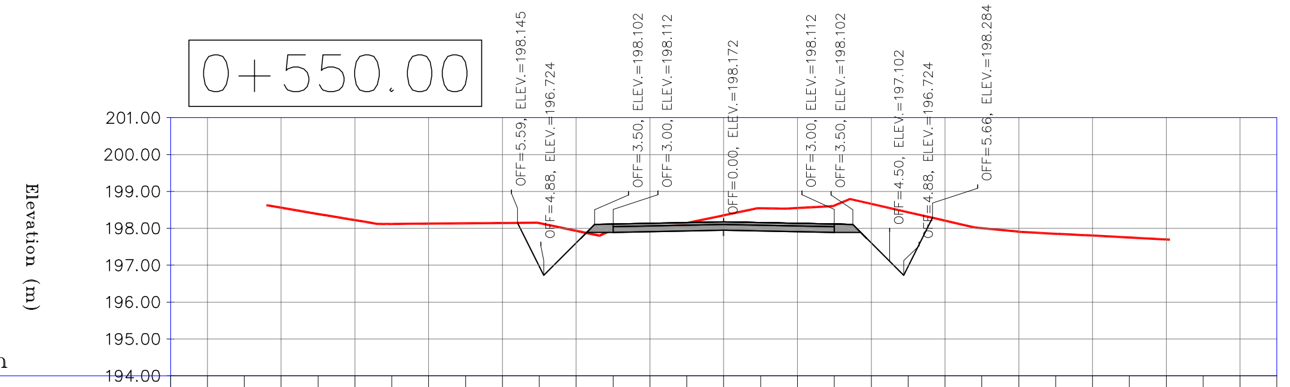
NATURAL GROUND ELEVATION			198.14	198.18	198.21	198.25	198.27	198.10	197.93	197.76	197.64	197.86	198.22	198.26	198.15	198.28	198.36	198.39	198.42	198.41	198.28	198.05	197.82	197.60	197.37	197.14	196.91		
PROJECT ELEVATION										196.78	197.42	197.93	197.95	197.97	197.99	197.97	197.95	197.93	197.42	196.78									
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

0+540.00



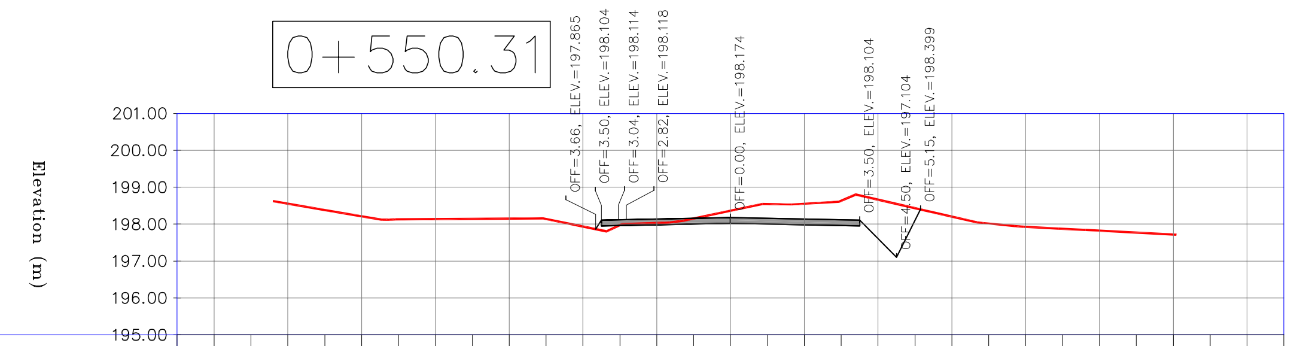
NATURAL GROUND ELEVATION			198.39	198.42	198.41	198.24	198.07	197.91	197.88	197.89	197.81	197.92	198.13	198.17	198.20	198.33	198.52	198.50	198.52	198.47	198.24	198.01	197.79	197.56	197.33	197.20	197.10		
PROJECT ELEVATION										196.88	197.51	198.02	198.04	198.06	198.08	198.06	198.04	198.02	197.51	196.88									
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

0+550.00



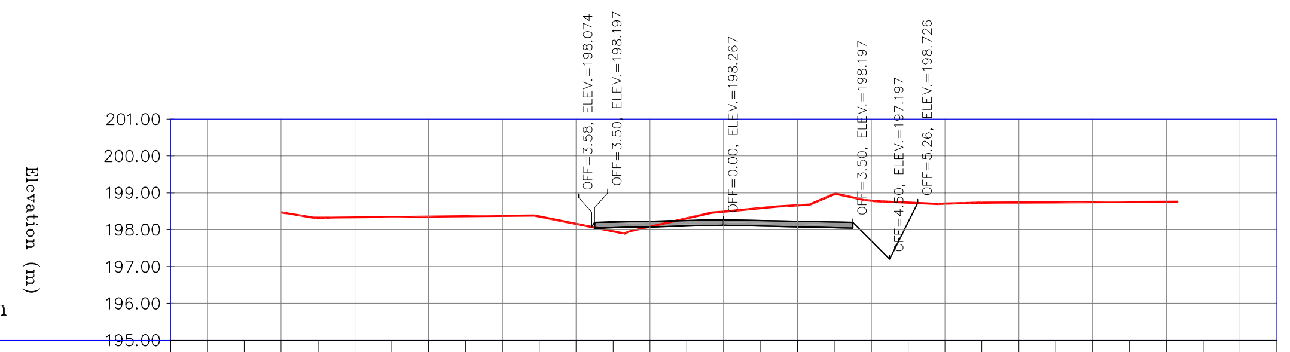
NATURAL GROUND ELEVATION			198.56	198.39	198.22	198.12	198.13	198.13	198.14	198.14	197.93	197.97	198.03	198.14	198.35	198.54	198.55	198.62	198.66	198.43	198.21	198.00	197.91	197.85	197.80	197.75	197.70		
PROJECT ELEVATION										196.97	197.60	198.11	198.13	198.15	198.17	198.15	198.13	198.11	197.60	197.48									
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+550.31



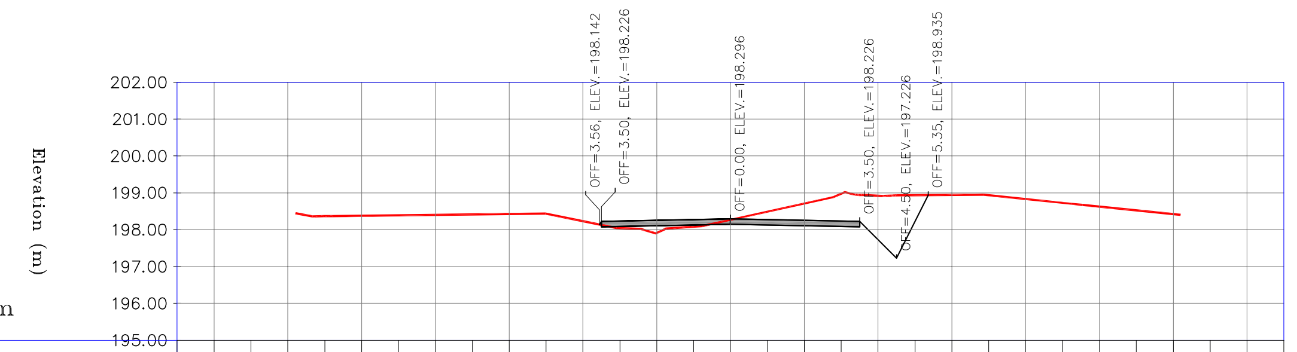
NATURAL GROUND ELEVATION			198.55	198.38	198.21	198.13	198.13	198.14	198.15	198.14	197.94	197.97	198.03	198.15	198.36	198.54	198.55	198.63	198.66	198.43	198.21	198.02	197.92	197.87	197.82	197.77	197.72		
PROJECT ELEVATION												198.11	198.13	198.15	198.17	198.15	198.13	198.11	197.60	198.10									
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

0+560.00



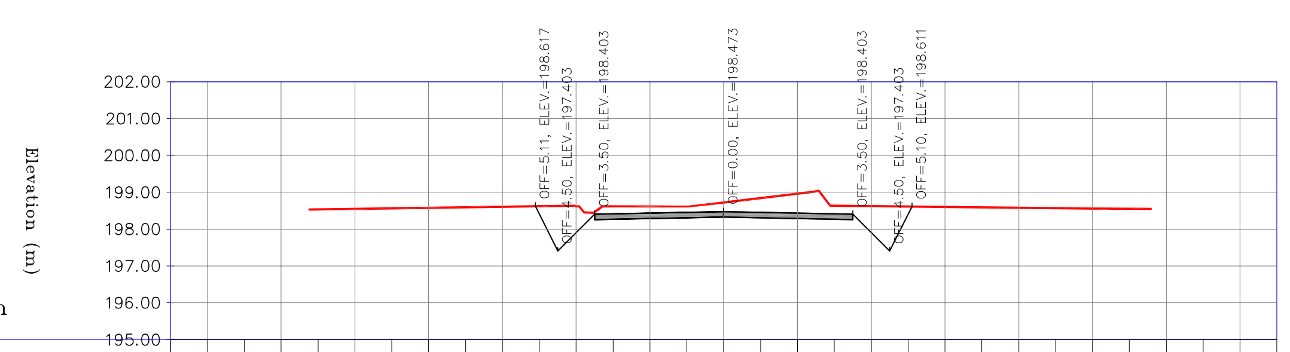
NATURAL GROUND ELEVATION				198.32	198.34	198.35	198.36	198.37	198.38	198.36	198.16	197.96	198.08	198.31	198.49	198.58	198.66	198.97	198.79	198.74	198.71	198.73	198.74	198.74	198.75	198.75	198.76		
PROJECT ELEVATION												198.21	198.23	198.25	198.27	198.25	198.23	198.21	197.70	198.20									
DIST. (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+561.98



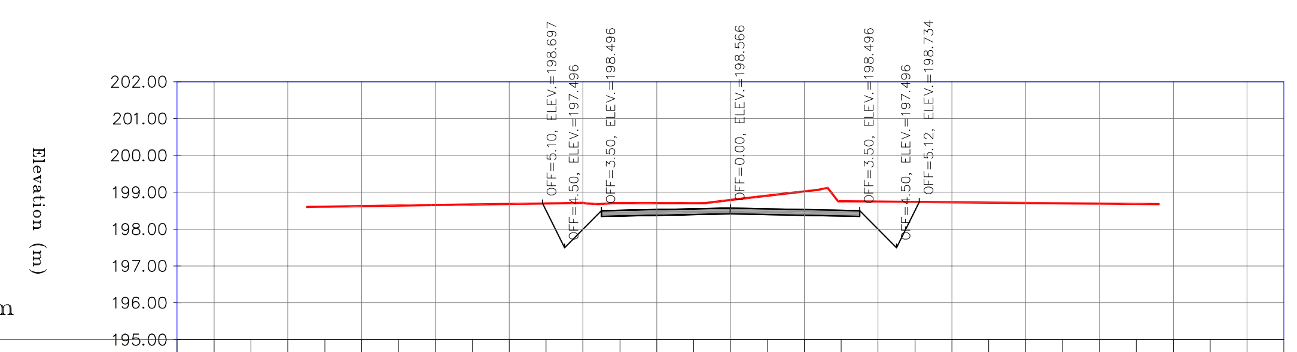
NATURAL GROUND ELEVATION				198.37	198.38	198.39	198.40	198.41	198.43	198.43	198.23	198.05	197.91	198.08	198.27	198.49	198.71	198.97	198.92	198.93	198.94	198.93	198.83	198.73	198.63	198.52	198.42		
PROJECT ELEVATION												198.24	198.26	198.28	198.30	198.28	198.26	198.24	197.73	198.23									
DIST. (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

0+570.00



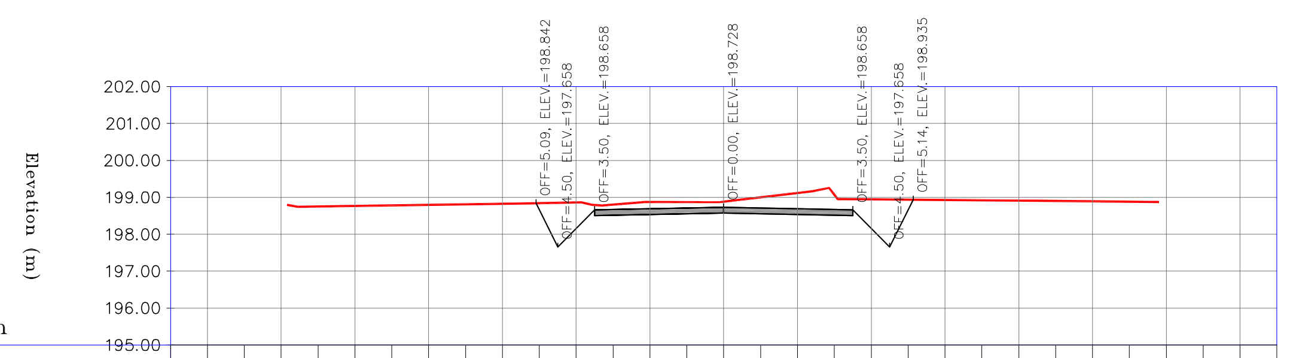
NATURAL GROUND ELEVATION				198.54	198.55	198.56	198.58	198.59	198.60	198.62	198.62	198.61	198.61	198.61	198.72	198.84	198.96	198.63	198.62	198.61	198.60	198.59	198.58	198.57	198.56	198.55			
PROJECT ELEVATION										198.40	197.90	198.41	198.43	198.45	198.47	198.45	198.43	198.41	197.90	198.40									
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

0+573.66



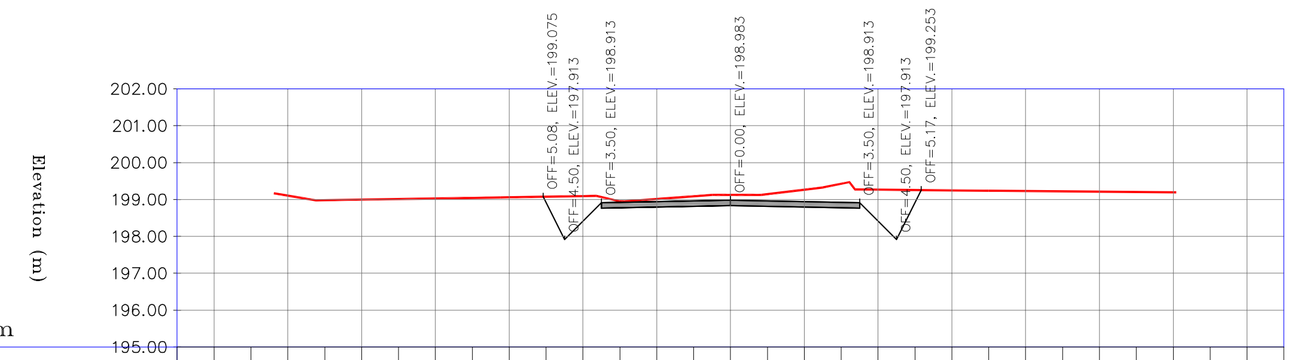
NATURAL GROUND ELEVATION				198.61	198.62	198.64	198.65	198.67	198.68	198.70	198.71	198.71	198.71	198.71	198.79	198.91	199.02	198.75	198.74	198.73	198.73	198.72	198.71	198.70	198.69	198.68			
PROJECT ELEVATION										198.50	198.00	198.51	198.53	198.55	198.57	198.55	198.53	198.51	198.00	198.50									
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+580.00



NATURAL GROUND ELEVATION				198.75	198.77	198.78	198.80	198.81	198.83	198.84	198.86	198.80	198.87	198.87	198.88	199.00	199.12	199.07	198.95	198.94	198.93	198.92	198.91	198.90	198.89	198.88			
PROJECT ELEVATION										198.66	198.16	198.67	198.69	198.71	198.73	198.71	198.69	198.67	198.16	198.66									
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+590.00



NATURAL GROUND ELEVATION			199.11	198.98	199.00	199.01	199.03	199.04	199.06	199.08	199.10	198.96	199.01	199.09	199.13	199.15	199.27	199.43	199.26	199.25	199.25	199.24	199.23	199.22	199.21	199.20	199.19		
PROJECT ELEVATION										198.91	198.41	198.92	198.94	198.96	198.98	198.96	198.94	198.92	198.41	198.91									
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

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

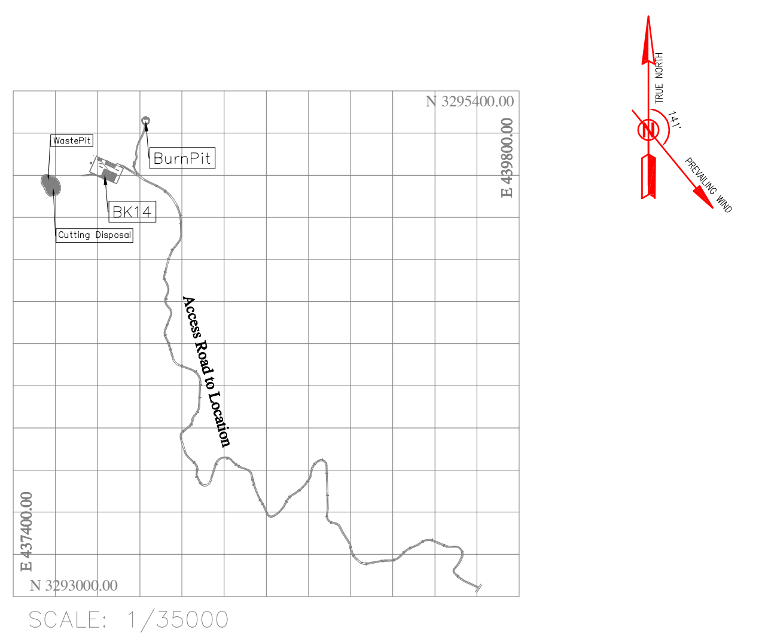
⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
▭	SITE	◄	WATER COURSE
▭	CAMP SITE	≈	CONTOURS
—	ASPHALT ROAD	99.27	SPOT HEIGHT
—	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD	═	BRIDGE
~	DAYLIGHT	╫	CULVERT

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



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.	

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

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

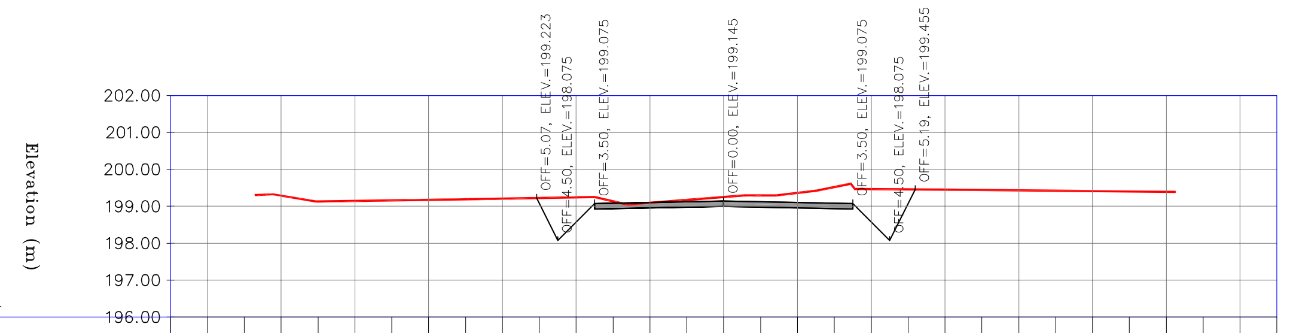
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

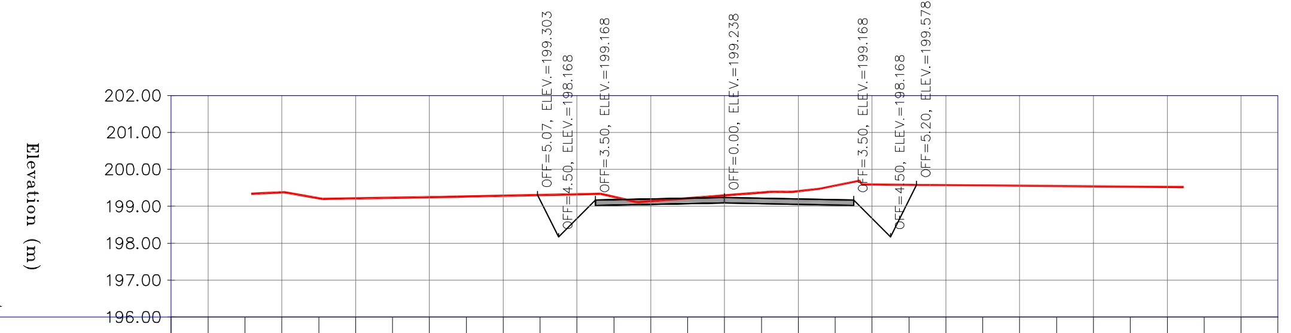
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	40 OF 103	D01	053–073–9184	F	4	S	708209	40	D02

0+596.35



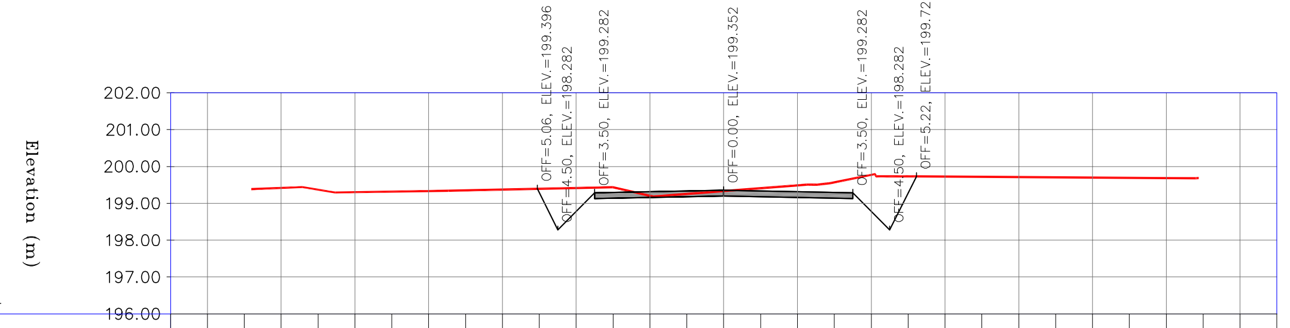
NATURAL GROUND ELEVATION			199.29	199.13	199.14	199.16	199.17	199.19	199.21	199.22	199.24	199.14	199.10	199.17	199.25	199.29	199.36	199.52	199.47	199.46	199.45	199.44	199.43	199.42	199.41	199.40	199.39		
PROJECT ELEVATION										199.08	198.58	199.09	199.11	199.13	199.15	199.13	199.11	199.09	198.58	199.08									
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

0+600.00



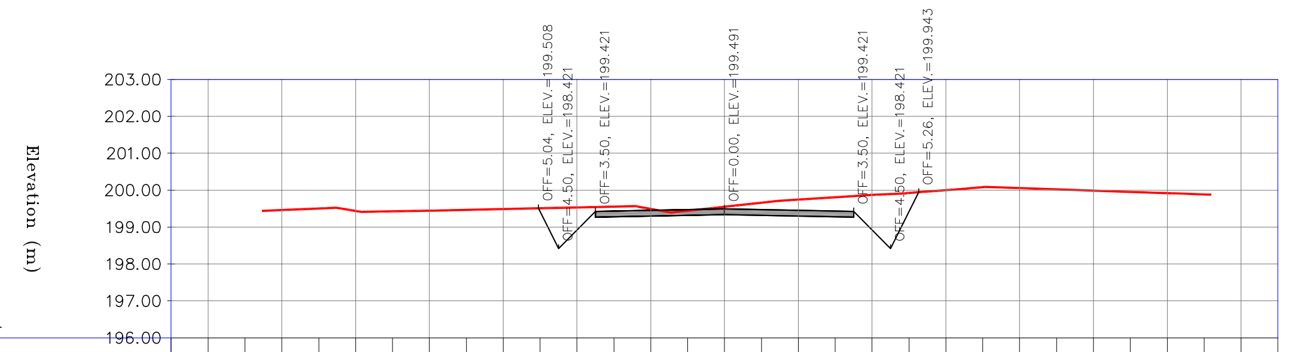
NATURAL GROUND ELEVATION			199.37	199.22	199.22	199.23	199.25	199.26	199.28	199.30	199.32	199.25	199.14	199.22	199.29	199.37	199.41	199.56	199.59	199.58	199.57	199.56	199.56	199.55	199.54	199.53	199.53		
PROJECT ELEVATION										199.17	198.67	199.18	199.20	199.22	199.24	199.22	199.20	199.18	198.67	199.17									
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

0+604.44



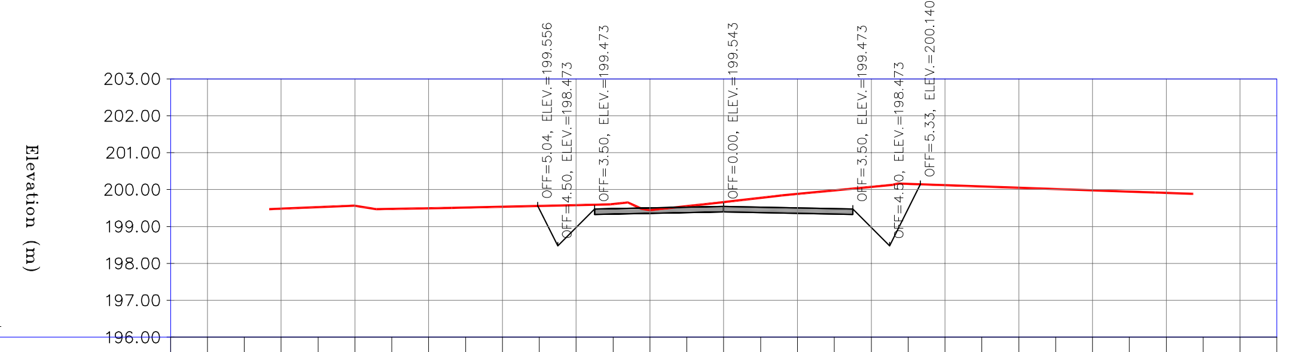
NATURAL GROUND ELEVATION			199.42	199.37	199.30	199.32	199.34	199.36	199.38	199.40	199.42	199.44	199.21	199.25	199.33	199.41	199.49	199.57	199.77	199.73	199.72	199.72	199.71	199.70	199.70	199.69	199.69		
PROJECT ELEVATION										199.28	198.78	199.29	199.31	199.33	199.35	199.33	199.31	199.29	198.78	199.28									
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

0+610.00



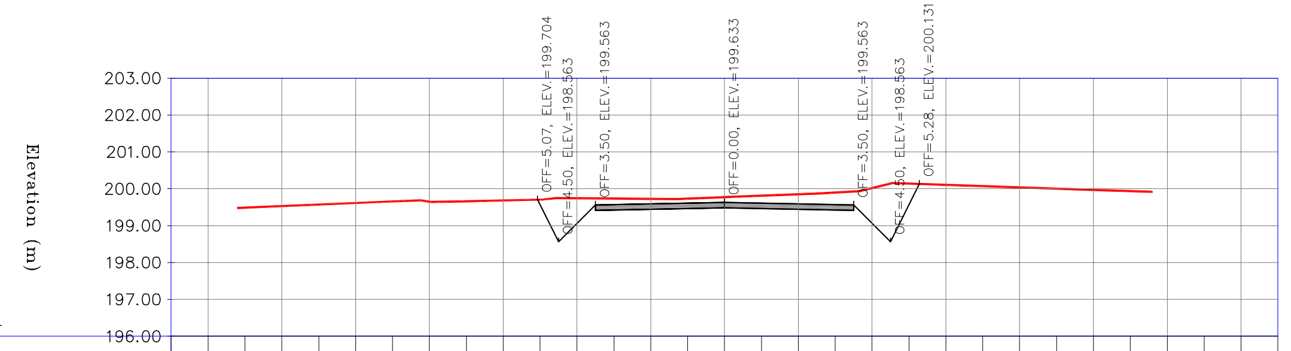
NATURAL GROUND ELEVATION			199.46	199.50	199.44	199.43	199.44	199.46	199.49	199.51	199.53	199.55	199.49	199.44	199.55	199.66	199.75	199.81	199.87	199.92	200.00	200.08	200.05	200.02	199.99	199.95	199.92	199.88	
PROJECT ELEVATION										199.42	198.92	199.43	199.45	199.47	199.49	199.47	199.45	199.43	198.92	199.42									
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+612.53



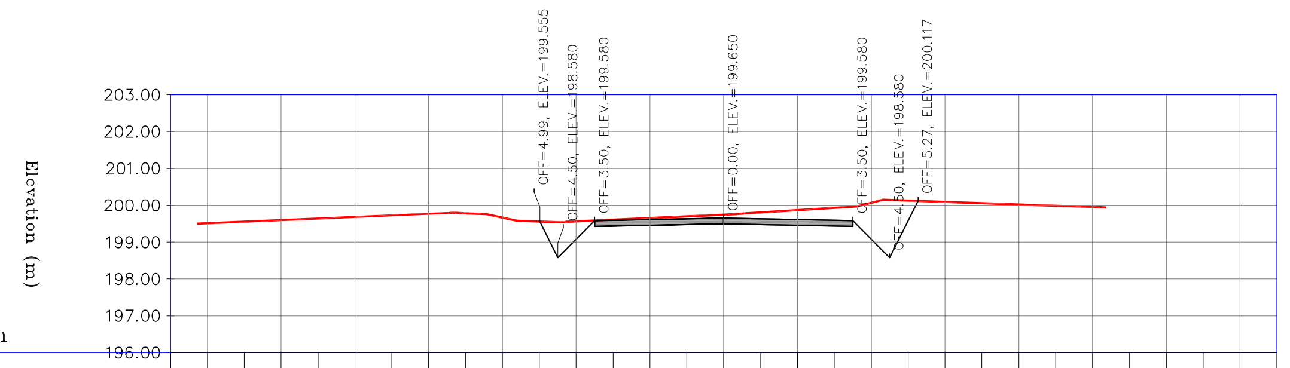
NATURAL GROUND ELEVATION			199.48	199.52	199.56	199.47	199.49	199.51	199.53	199.56	199.58	199.61	199.44	199.55	199.66	199.77	199.88	199.97	200.07	200.15	200.12	200.08	200.05	200.02	199.98	199.95	199.91		
PROJECT ELEVATION										199.47	198.97	199.48	199.50	199.52	199.54	199.52	199.50	199.48	198.97	199.47									
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+620.00



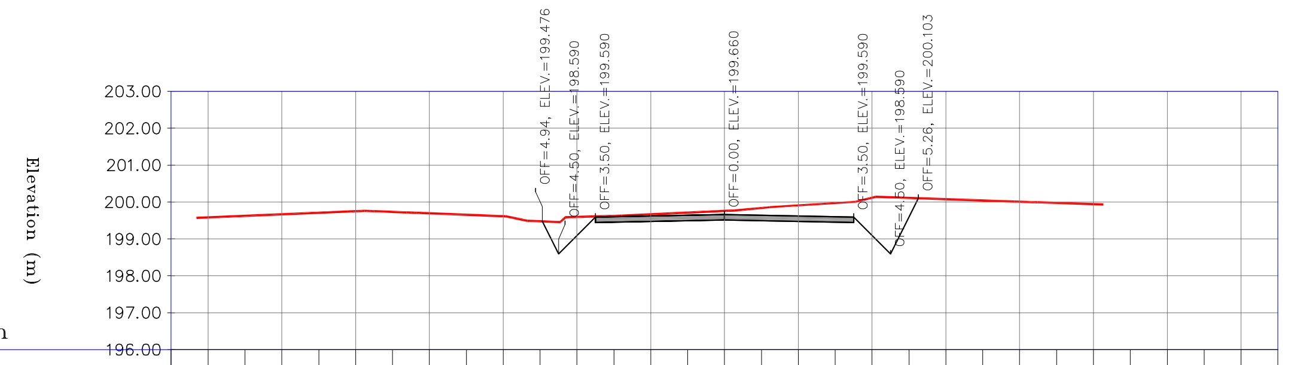
NATURAL GROUND ELEVATION		199.49	199.53	199.57	199.62	199.66	199.65	199.66	199.68	199.71	199.74	199.73	199.73	199.73	199.77	199.81	199.85	199.89	200.02	200.14	200.11	200.07	200.04	200.00	199.97	199.94			
PROJECT ELEVATION										199.56	199.06	199.57	199.59	199.61	199.63	199.61	199.59	199.57	199.06	199.56									
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

0+630.00



NATURAL GROUND ELEVATION	199.52	199.56	199.60	199.64	199.68	199.73	199.77	199.78	199.66	199.56	199.56	199.61	199.65	199.70	199.74	199.81	199.87	199.93	200.07	200.13	200.09	200.06	200.02	199.99	199.96				
PROJECT ELEVATION											199.08	199.59	199.61	199.63	199.65	199.63	199.61	199.59	199.08	199.58									
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

0+640.00



NATURAL GROUND ELEVATION	199.58	199.63	199.67	199.71	199.75	199.73	199.70	199.66	199.62	199.48	199.60	199.63	199.67	199.71	199.76	199.84	199.91	199.97	200.12	200.11	200.08	200.04	200.01	199.98	199.94				
PROJECT ELEVATION											199.09	199.60	199.62	199.64	199.66	199.64	199.62	199.60	199.09	199.59									
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

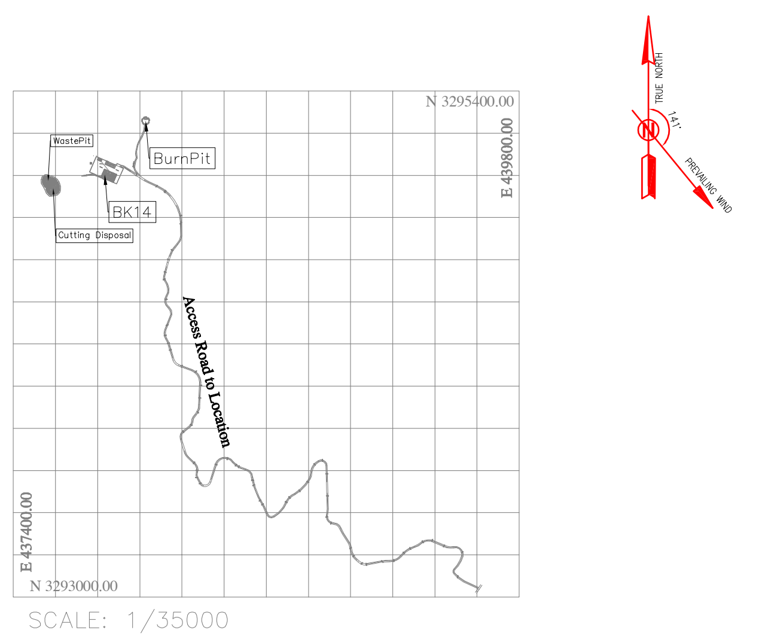
⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
□	SITE		WATER COURSE
□	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**	***	**********	**.**	***.****	**.**	***.****
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**	REV.	DESCRIPTION	BY	DATE	BY	DATE
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**			CHECKED		REV. APPR.	
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
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.

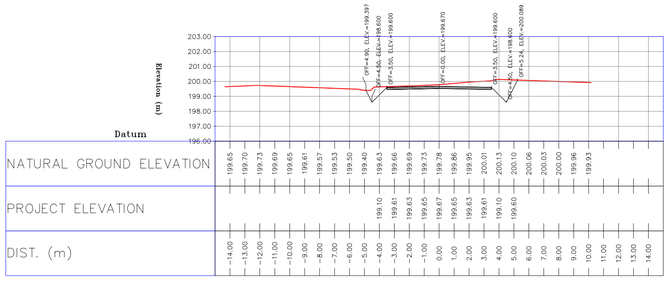
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

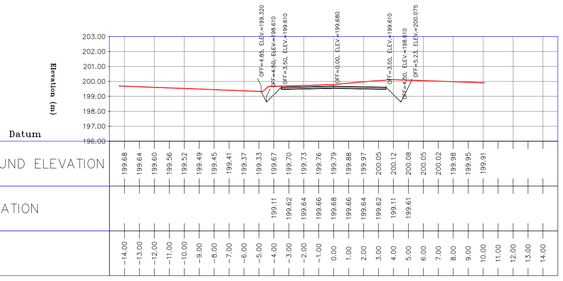
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	41 OF 103	D01	053–073–9184	F	4	S	708209	41	D02

0+650.00



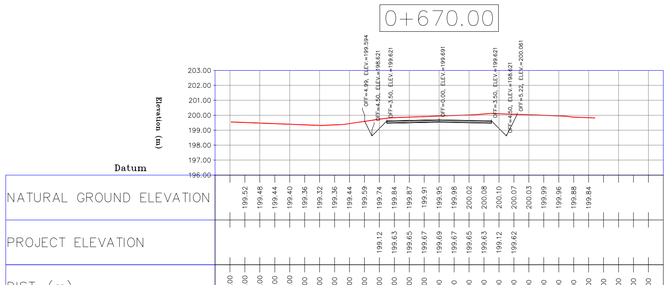
NATURAL GROUND ELEVATION	199.65	199.70	199.73	199.69	199.65	199.61	199.57	199.53	199.50	199.40	199.63	199.66	199.69	199.73	199.78	199.86	199.95	200.01	200.13	200.10	200.06	200.03	200.00	199.96	199.93			
PROJECT ELEVATION										199.10	199.61	199.63	199.65	199.67	199.65	199.63	199.61	199.10	199.60	199.60								
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

0+660.00



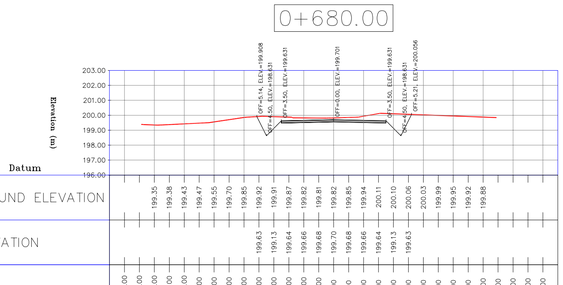
NATURAL GROUND ELEVATION	199.68	199.64	199.60	199.56	199.52	199.49	199.45	199.41	199.37	199.33	199.67	199.70	199.73	199.76	199.79	199.88	199.97	200.05	200.12	200.08	200.05	200.02	199.98	199.95	199.91			
PROJECT ELEVATION										199.11	199.62	199.64	199.66	199.68	199.66	199.64	199.62	199.11	199.61	199.61								
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

0+670.00



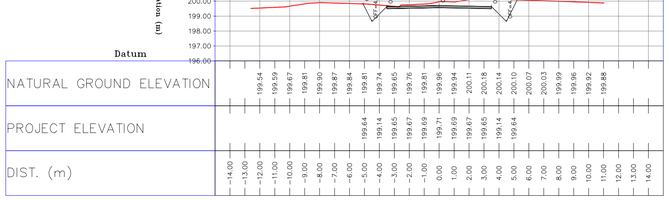
NATURAL GROUND ELEVATION	199.52	199.48	199.44	199.40	199.36	199.32	199.36	199.44	199.59	199.74	199.84	199.87	199.91	199.95	199.98	200.02	200.08	200.10	200.07	200.03	199.99	199.96	199.88	199.84				
PROJECT ELEVATION										199.12	199.63	199.65	199.67	199.69	199.67	199.65	199.63	199.12	199.62	199.62								
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

0+680.00



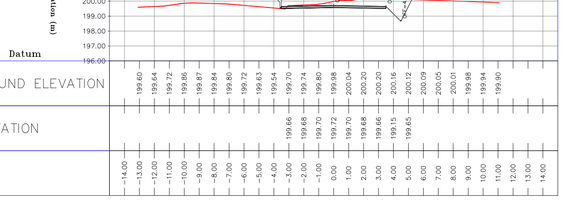
NATURAL GROUND ELEVATION	199.35	199.38	199.43	199.47	199.55	199.70	199.85	199.92	199.91	199.87	199.82	199.81	199.82	199.85	199.94	200.11	200.10	200.06	200.03	199.99	199.95	199.92	199.88					
PROJECT ELEVATION										199.63	199.13	199.64	199.66	199.68	199.70	199.68	199.66	199.64	199.13	199.63								
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

0+690.00



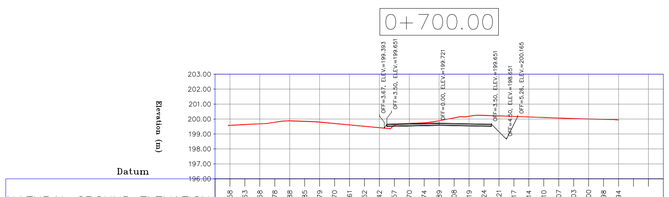
NATURAL GROUND ELEVATION	199.54	199.59	199.67	199.81	199.90	199.87	199.84	199.81	199.74	199.65	199.76	199.81	199.86	199.94	200.11	200.14	200.10	200.07	200.03	199.99	199.96	199.92	199.88					
PROJECT ELEVATION										199.64	199.14	199.65	199.67	199.69	199.71	199.69	199.67	199.65	199.14	199.64								
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+694.98



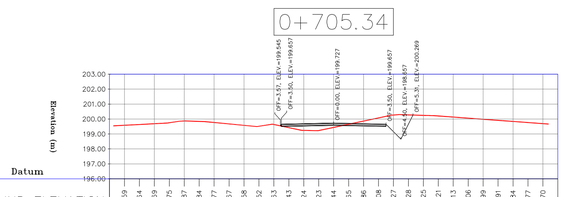
NATURAL GROUND ELEVATION	199.60	199.64	199.72	199.80	199.84	199.80	199.72	199.63	199.54	199.70	199.74	199.80	199.98	200.04	200.20	200.20	200.16	200.12	200.09	200.05	200.01	199.98	199.94	199.90				
PROJECT ELEVATION										199.66	199.68	199.70	199.72	199.70	199.74	199.68	199.66	199.15	199.65									
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

0+700.00



NATURAL GROUND ELEVATION	199.58	199.63	199.68	199.78	199.88	199.85	199.79	199.70	199.61	199.52	199.42	199.27	199.70	199.74	199.89	200.08	200.19	200.24	200.21	200.14	200.07	200.03	200.00	199.98	199.94			
PROJECT ELEVATION										199.66	199.68	199.70	199.72	199.70	199.68	199.66	199.15	199.65										
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

0+705.34



NATURAL GROUND ELEVATION	199.59	199.64	199.69	199.75	199.87	199.84	199.77	199.67	199.58	199.52	199.63	199.43	199.24	199.23	199.44	199.65	199.86	200.08	200.27	200.28	200.25	200.21	200.13	200.06	199.99	199.91	199.84	199.77	199.70
PROJECT ELEVATION										199.67	199.69	199.71	199.73	199.71	199.69	199.67	199.16	199.66											
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.
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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	42 OF 103	D01

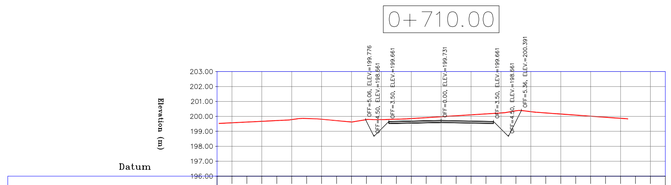
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

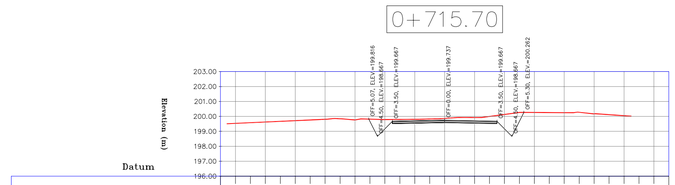
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

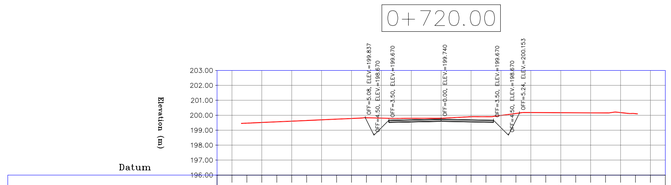
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	42	D02



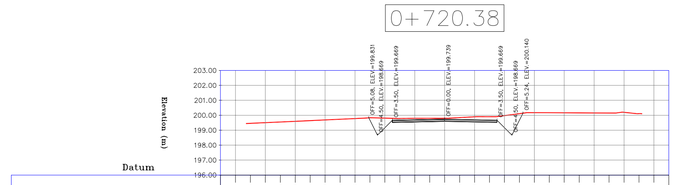
NATURAL GROUND ELEVATION	199.57	199.62	199.67	199.72	199.79	199.86	199.81	199.72	199.62	199.79	199.79	199.81	199.85	199.92	199.98	200.04	200.10	200.17	200.23	200.37	200.32	200.23	200.16	200.09	200.02	199.94	199.87			
PROJECT ELEVATION										199.66	199.16	199.79	199.67	199.69	199.71	199.73	199.71	199.69	199.67	199.16	199.66									
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	



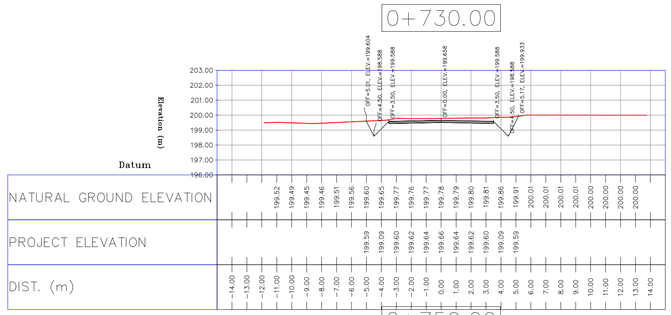
NATURAL GROUND ELEVATION	199.53	199.58	199.62	199.67	199.71	199.76	199.80	199.84	199.77	199.81	199.79	199.80	199.80	199.82	199.86	199.93	199.93	200.00	200.13	200.26	200.26	200.25	200.25	200.17	200.12	200.05				
PROJECT ELEVATION										199.67	199.17	199.68	199.70	199.70	199.72	199.74	199.72	199.70	199.68	199.17	199.67									
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	



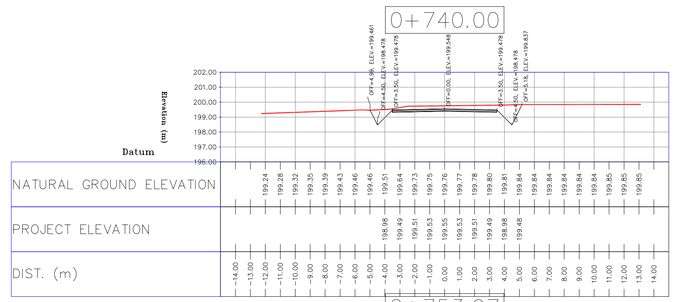
NATURAL GROUND ELEVATION	199.47	199.52	199.56	199.61	199.65	199.70	199.74	199.79	199.84	199.81	199.79	199.80	199.80	199.81	199.85	199.90	199.91	199.99	200.12	200.18	200.18	200.17	200.17	200.16	200.16	200.18	200.11			
PROJECT ELEVATION										199.67	199.17	199.68	199.70	199.72	199.74	199.72	199.70	199.68	199.17	199.67										
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	



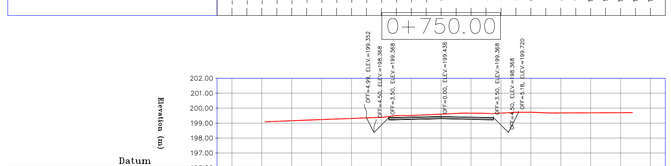
NATURAL GROUND ELEVATION	199.46	199.51	199.55	199.60	199.64	199.69	199.73	199.78	199.84	199.81	199.79	199.80	199.80	199.80	199.85	199.90	199.91	199.88	200.11	200.17	200.17	200.16	200.16	200.16	200.15	200.20	200.11			
PROJECT ELEVATION										199.67	199.17	199.68	199.70	199.72	199.74	199.72	199.70	199.68	199.17	199.67										
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	



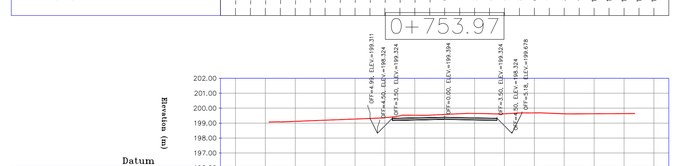
NATURAL GROUND ELEVATION	199.52	199.49	199.45	199.46	199.51	199.56	199.60	199.65	199.77	199.76	199.77	199.78	199.79	199.80	199.81	199.91	200.01	200.01	200.01	200.01	200.00	200.00	200.00	200.00	200.00	200.00	200.00			
PROJECT ELEVATION									199.59	199.09	199.60	199.62	199.64	199.66	199.64	199.62	199.60	199.09	199.59											
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	



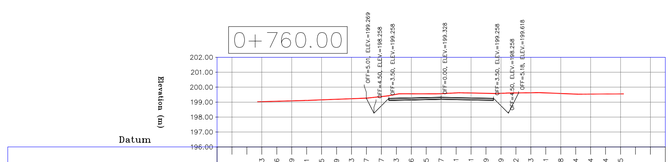
NATURAL GROUND ELEVATION	199.24	199.28	199.32	199.35	199.39	199.43	199.46	199.46	199.51	199.64	199.73	199.75	199.76	199.77	199.78	199.80	199.81	199.84	199.84	199.84	199.84	199.84	199.84	199.85	199.85	199.85				
PROJECT ELEVATION									198.98	199.49	199.51	199.53	199.55	199.55	199.53	199.51	199.49	198.98	199.48											
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	



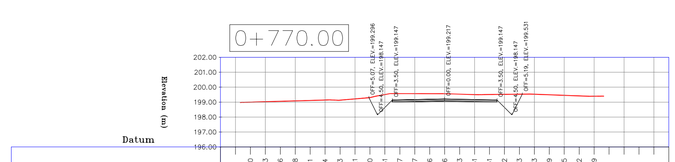
NATURAL GROUND ELEVATION	199.12	199.16	199.20	199.23	199.27	199.31	199.35	199.39	199.50	199.51	199.55	199.60	199.65	199.66	199.65	199.65	199.67	199.72	199.73	199.69	199.68	199.68	199.69	199.69	199.70					
PROJECT ELEVATION								198.87	199.38	199.40	199.42	199.44	199.42	199.40	199.38	198.87	199.37													
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	



NATURAL GROUND ELEVATION	199.08	199.11	199.15	199.19	199.23	199.27	199.31	199.36	199.49	199.52	199.53	199.58	199.63	199.65	199.65	199.63	199.68	199.69	199.66	199.62	199.62	199.63	199.63	199.64						
PROJECT ELEVATION								198.82	199.33	199.35	199.37	199.39	199.37	199.35	199.33	198.82	199.32													
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	



NATURAL GROUND ELEVATION	199.03	199.06	199.09	199.11	199.15	199.19	199.23	199.27	199.37	199.53	199.56	199.55	199.57	199.61	199.61	199.59	199.59	199.59	199.62	199.63	199.61	199.58	199.54	199.54	199.54	199.55				
PROJECT ELEVATION								199.26	198.76	199.27	199.29	199.31	199.33	199.31	199.29	199.27	198.76	199.26												
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	



NATURAL GROUND ELEVATION	199.00	199.03	199.06	199.08	199.11	199.14	199.13	199.21	199.30	199.51	199.57	199.57	199.56	199.56	199.53	199.51	199.51	199.52	199.53	199.49	199.45	199.42	199.39							
PROJECT ELEVATION								199.15	198.65	199.16	199.17	199.18	199.20	199.22	199.20	199.18	199.16	198.65	199.15											
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	

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
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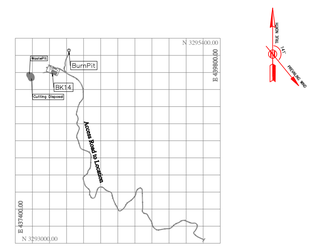
KEY PLAN



SCALE: 1/35000

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

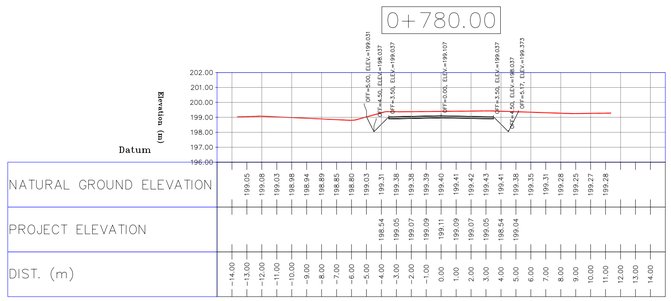
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

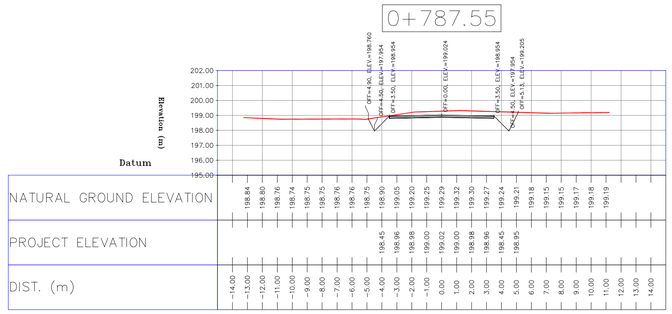
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

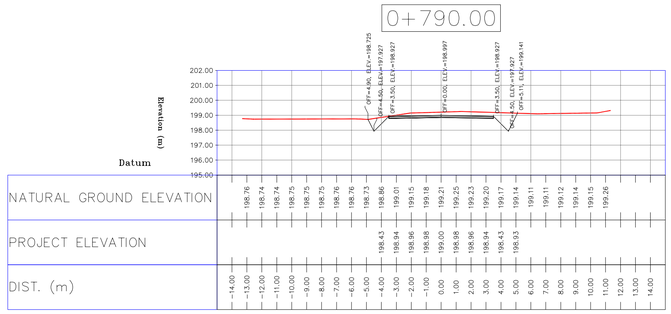
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

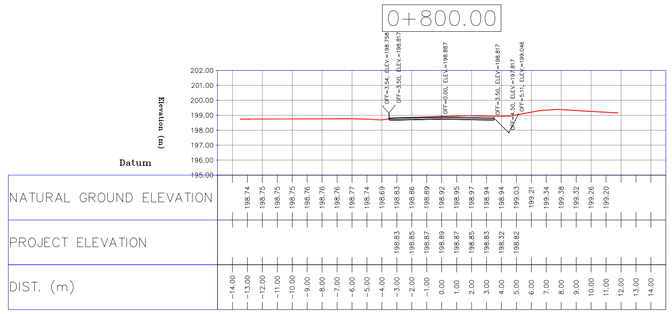
APPROVED FOR CONSTRUCTION | BY: | DATE:

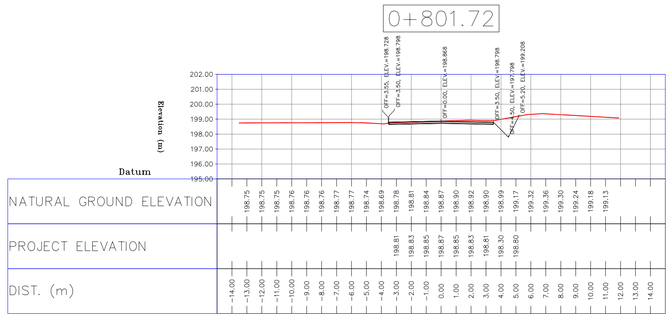
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	43 OF 103	D01	053-073-9184	F	4	S	708209	43	D02

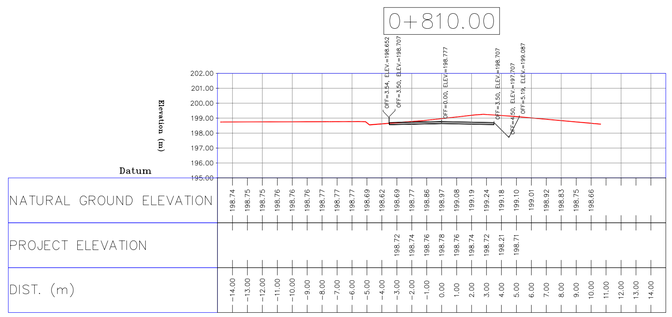


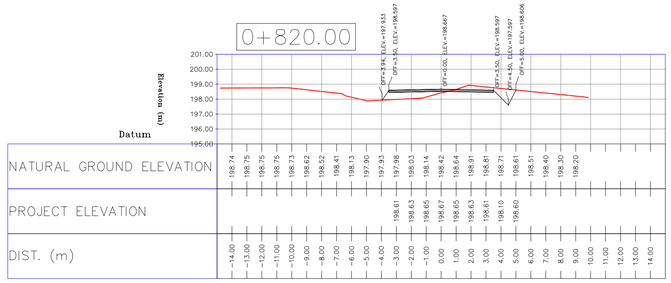


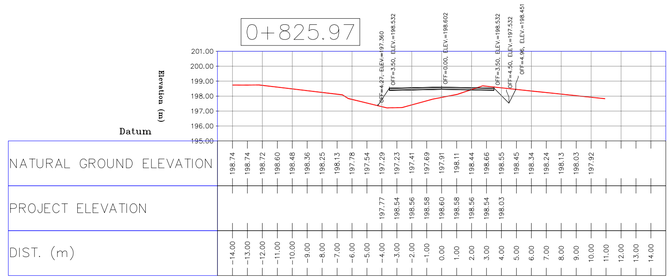


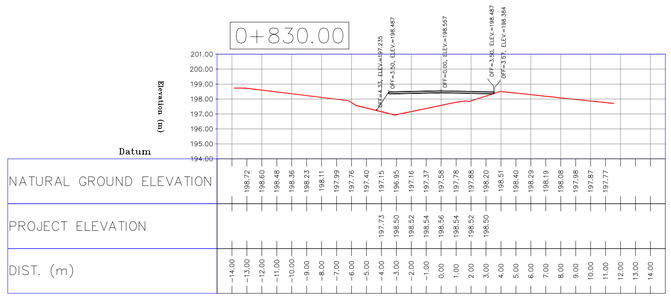


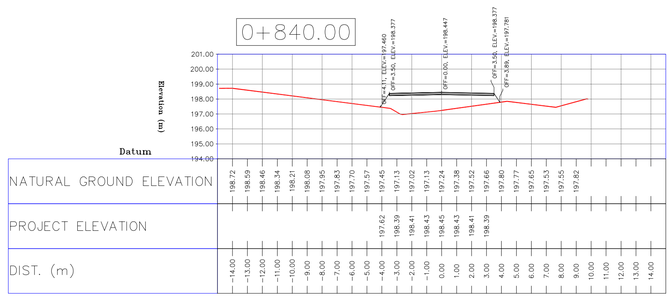












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LEGEND

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	WELL		RIVER
	SITE		WATER COURSE
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	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
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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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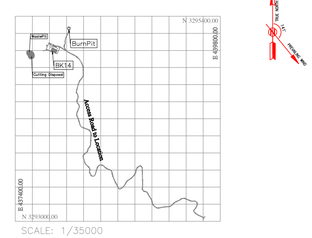
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	44 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

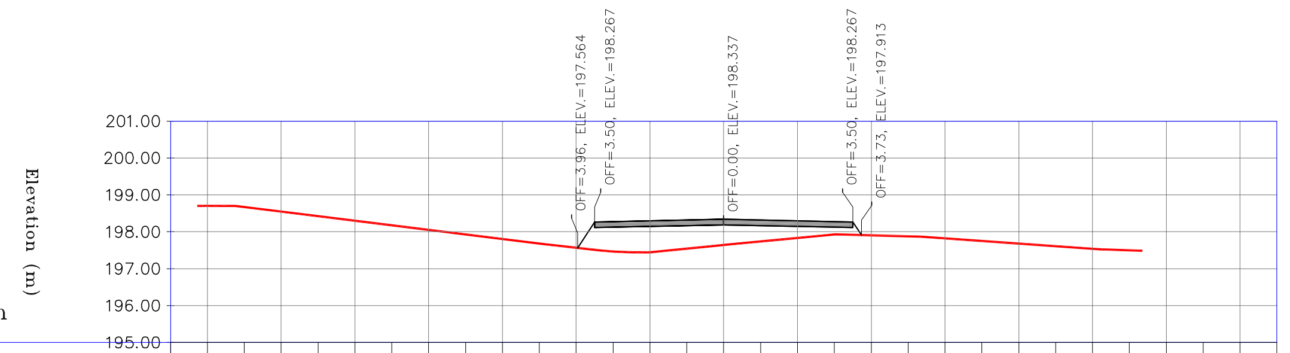
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

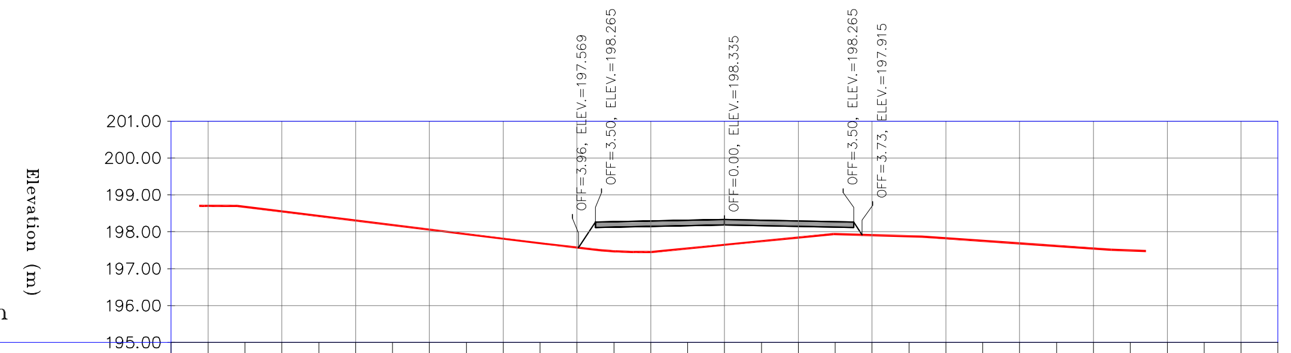
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	44	D02

0+850.00



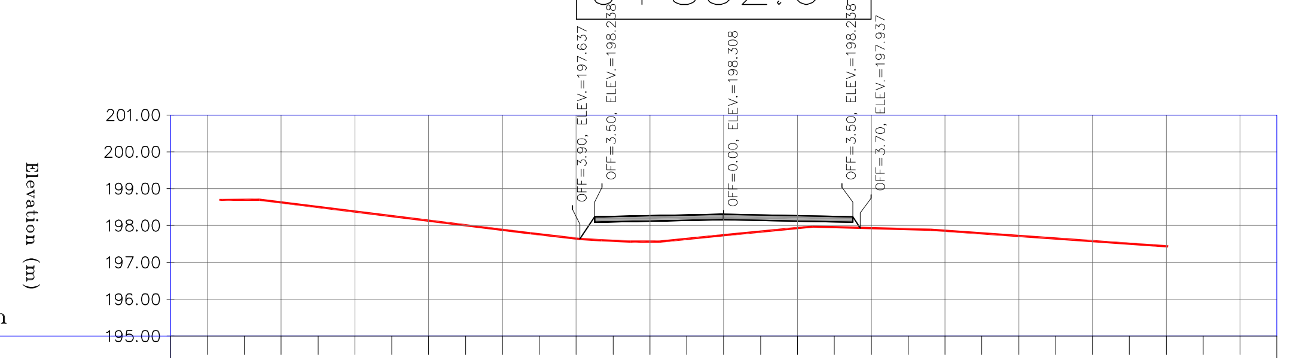
NATURAL GROUND ELEVATION	198.70	198.67	198.55	198.43	198.30	198.18	198.06	197.93	197.81	197.68	197.57	197.47	197.44	197.54	197.64	197.74	197.83	197.93	197.91	197.88	197.82	197.75	197.68	197.61	197.54	197.50			
PROJECT ELEVATION												198.28	198.30	198.32	198.34	198.32	198.30	198.28											
DIST. (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

0+850.22



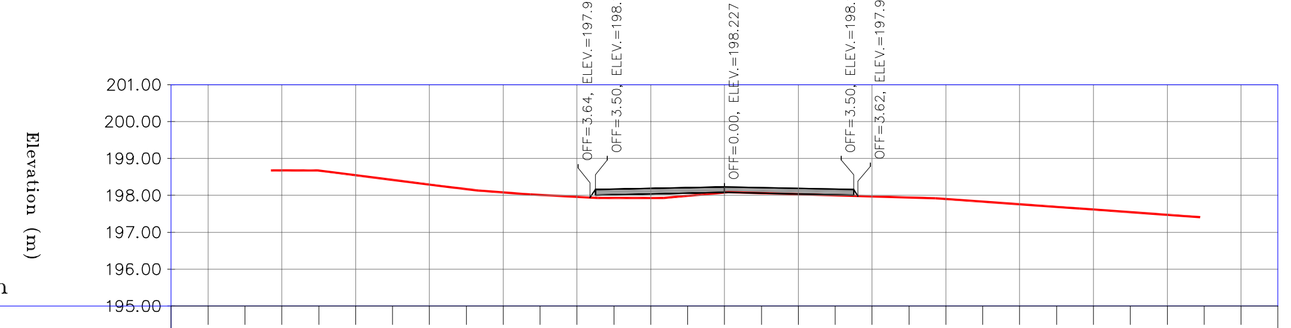
NATURAL GROUND ELEVATION	198.70	198.68	198.55	198.43	198.31	198.18	198.06	197.94	197.81	197.69	197.57	197.48	197.45	197.55	197.65	197.74	197.84	197.94	197.91	197.88	197.82	197.75	197.68	197.62	197.55	197.49			
PROJECT ELEVATION												198.27	198.29	198.31	198.33	198.31	198.29	198.27											
DIST. (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

0+852.64



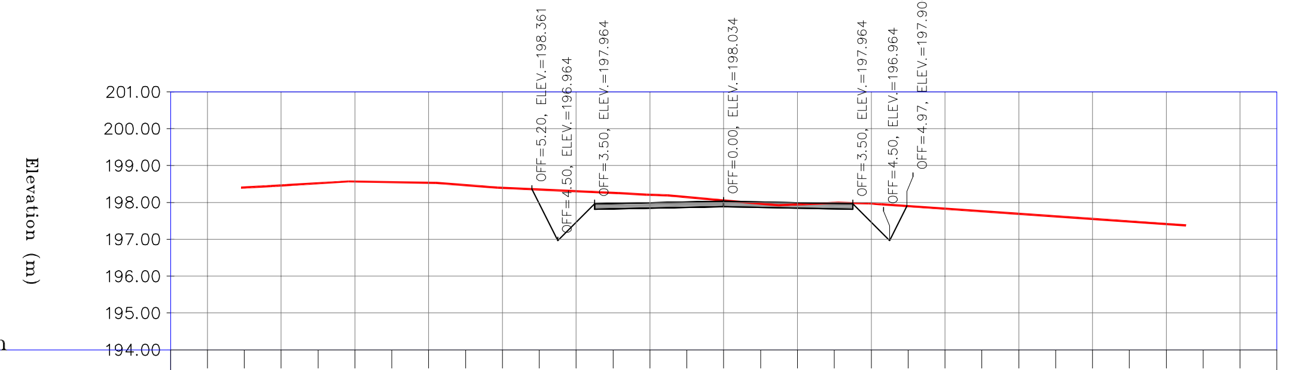
NATURAL GROUND ELEVATION		198.70	198.63	198.50	198.38	198.26	198.13	198.01	197.88	197.76	197.65	197.58	197.57	197.64	197.74	197.83	197.93	197.96	197.93	197.90	197.86	197.79	197.72	197.65	197.58	197.51	197.44		
PROJECT ELEVATION												198.25	198.27	198.29	198.31	198.29	198.27	198.25											
DIST. (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

0+860.00



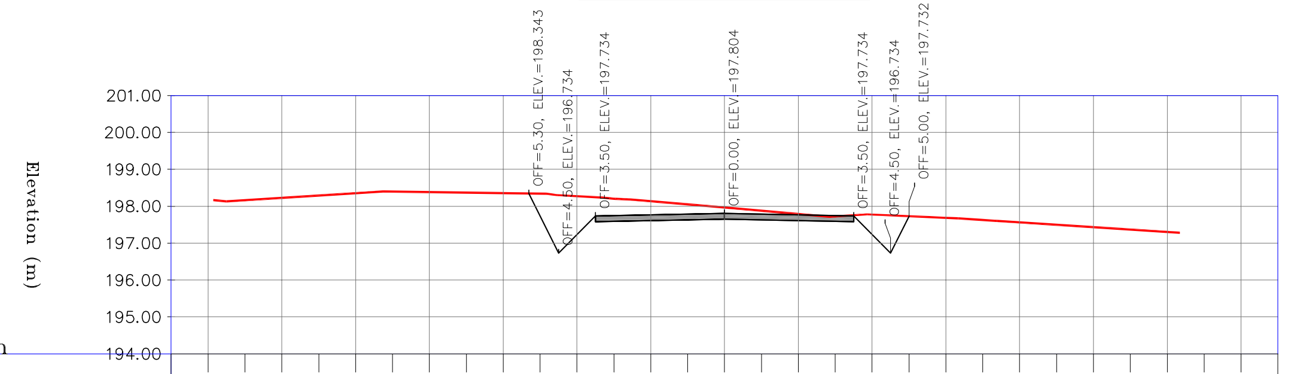
NATURAL GROUND ELEVATION		198.67	198.67	198.54	198.42	198.29	198.17	198.08	198.01	197.96	197.93	197.93	197.99	198.07	198.06	198.03	198.00	197.97	197.94	197.90	197.83	197.76	197.69	197.62	197.54	197.47			
PROJECT ELEVATION												198.17	198.19	198.21	198.23	198.21	198.19	198.17											
DIST. (m)	−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

0+870.00



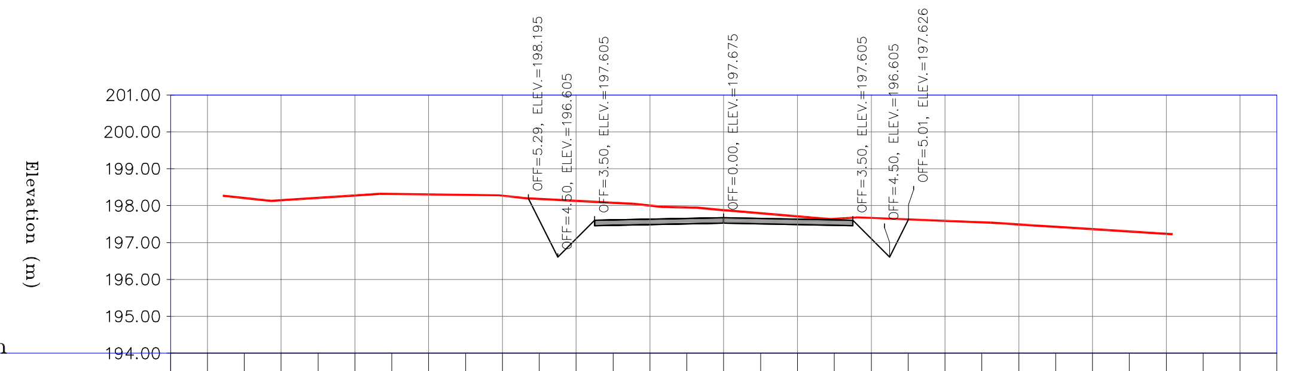
NATURAL GROUND ELEVATION		198.41	198.46	198.52	198.57	198.55	198.53	198.47	198.40	198.35	198.31	198.26	198.20	198.15	198.06	197.96	197.94	197.99	197.97	197.90	197.83	197.76	197.69	197.62	197.55	197.48	197.41		
PROJECT ELEVATION										197.96	197.46	197.97	197.99	198.01	198.03	198.01	197.99	197.97	197.46										
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+876.89



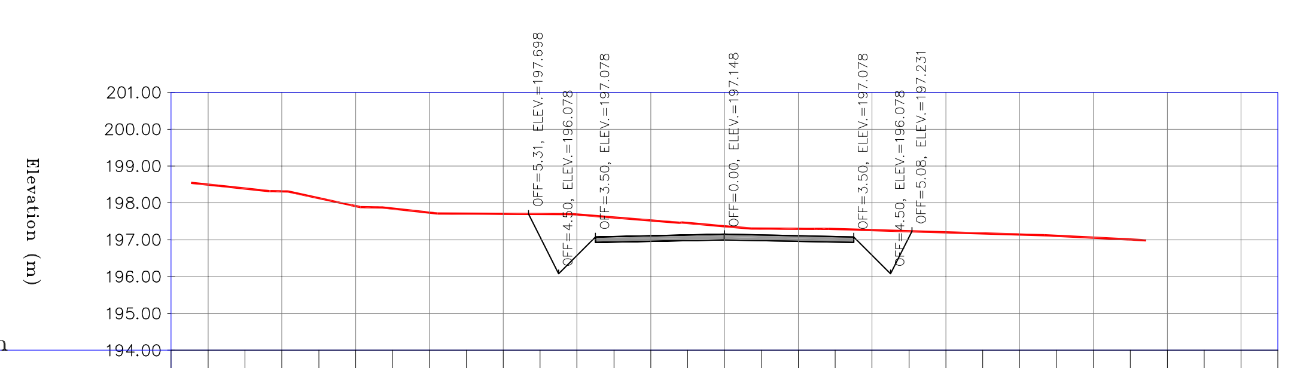
NATURAL GROUND ELEVATION		198.16	198.22	198.29	198.35	198.39	198.38	198.37	198.35	198.34	198.27	198.20	198.14	198.05	197.96	197.88	197.79	197.73	197.77	197.73	197.69	197.63	197.57	197.50	197.44	197.37	197.30		
PROJECT ELEVATION										197.73	197.23	197.74	197.76	197.78	197.80	197.78	197.76	197.74	197.23										
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

0+880.00



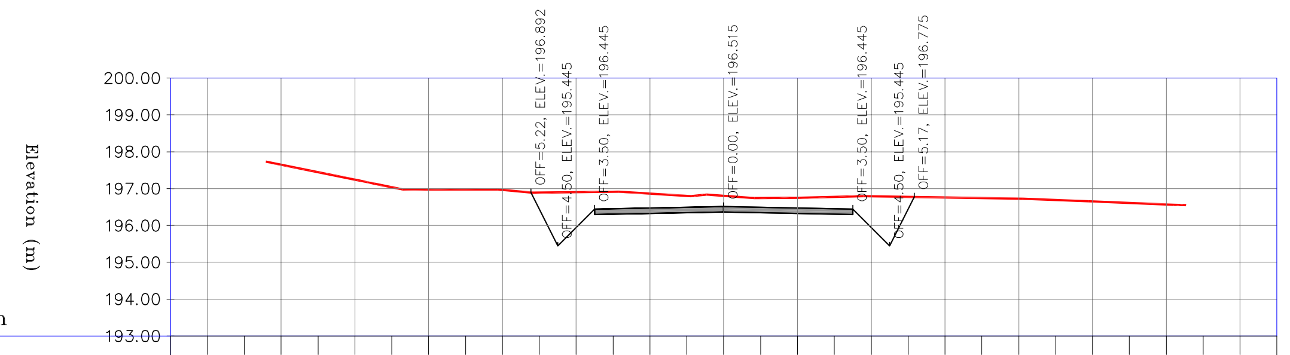
NATURAL GROUND ELEVATION		198.21	198.15	198.21	198.28	198.32	198.30	198.29	198.27	198.18	198.13	198.08	198.00	197.95	197.88	197.80	197.71	197.64	197.67	197.63	197.59	197.55	197.49	197.43	197.36	197.30	197.24		
PROJECT ELEVATION										197.60	197.10	197.61	197.63	197.65	197.67	197.65	197.63	197.61	197.10	197.60									
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

0+890.00



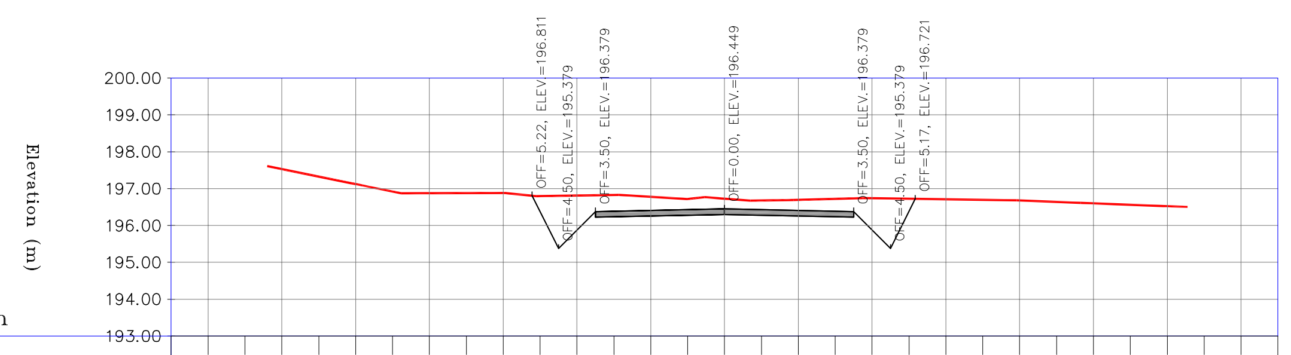
NATURAL GROUND ELEVATION	198.50	198.39	198.31	198.13	197.91	197.84	197.74	197.71	197.70	197.70	197.68	197.60	197.52	197.45	197.37	197.30	197.29	197.29	197.26	197.23	197.20	197.18	197.15	197.11	197.06	197.00			
PROJECT ELEVATION										197.08	196.58	197.09	197.11	197.13	197.15	197.13	197.11	197.09	196.58	197.08									
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

0+900.00



NATURAL GROUND ELEVATION			197.65	197.45	197.24	197.04	196.98	196.98	196.97	196.89	196.90	196.92	196.86	196.80	196.80	196.74	196.75	196.78	196.79	196.78	196.76	196.75	196.73	196.69	196.65	196.61	196.57		
PROJECT ELEVATION										196.44	195.94	196.45	196.47	196.49	196.51	196.49	196.47	196.45	195.94	196.44									
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

0+901.14



NATURAL GROUND ELEVATION			197.53	197.33	197.12	196.92	196.88	196.88	196.88	196.80	196.82	196.83	196.78	196.72	196.73	196.68	196.69	196.72	196.74	196.72	196.71	196.69	196.68	196.64	196.60	196.56	196.53		
PROJECT ELEVATION										196.38	195.88	196.39	196.41	196.43	196.45	196.43	196.41	196.39	195.88	196.38									
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:
- 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

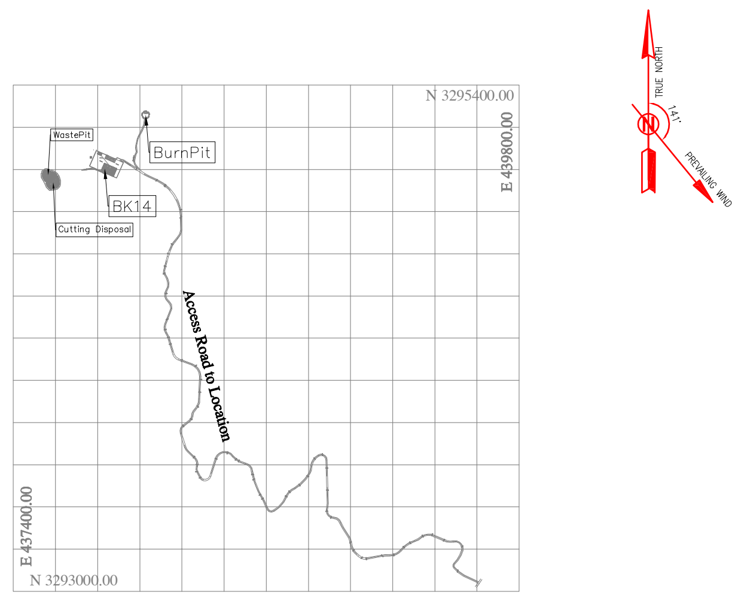
⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**	***	**********	**.**	***.****	**.**	***.****
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**	REV.	DESCRIPTION	BY	DATE	BY	DATE
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**			CHECKED		REV. APPR.	
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
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.

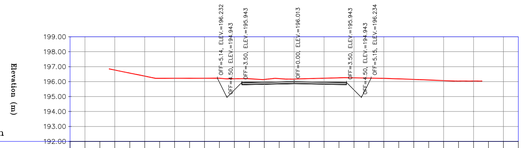
DRAWING TITLE:
CIVIL AND STRUCTURAL DRAWINGS – BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

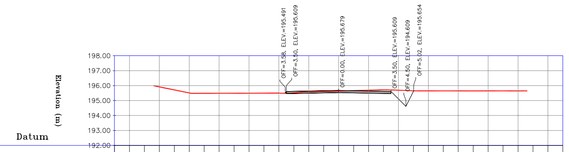
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	45 OF 103	D01	053-073-9184	F	4	S	708209	45	D02

0+910.00



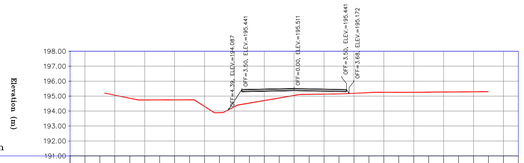
NATURAL GROUND ELEVATION	196.77	196.57	196.37	196.22	196.23	196.23	196.23	196.19	196.19	196.14	196.20	196.17	196.20	196.22	196.25	196.25	196.24	196.22	196.18	196.14	196.11	196.07	196.04	196.04
PROJECT ELEVATION	195.94	195.44	195.95	195.97	195.98	196.01	196.00	195.99	195.97	195.95	195.44	195.94
DIST. (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

0+920.00



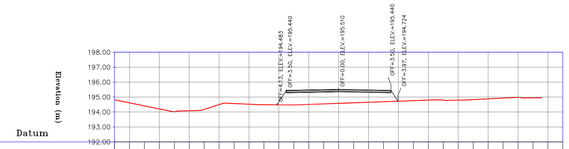
NATURAL GROUND ELEVATION	196.92	196.71	195.51	195.48	195.49	195.49	195.49	195.50	195.50	195.51	195.59	195.61	195.64	195.67	195.69	195.72	195.69	195.66	195.65	195.65	195.65	195.65	195.65	195.65
PROJECT ELEVATION	195.62	195.64	195.66	195.68	195.66	195.64	195.62	195.61	195.61
DIST. (m)	-14.00	-13.00	-12.00	-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

0+930.00



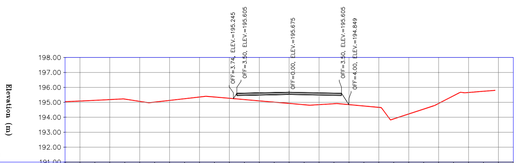
NATURAL GROUND ELEVATION	195.06	194.86	194.79	194.79	194.79	194.79	194.31	193.89	194.29	194.54	194.71	194.88	195.05	195.12	195.13	195.15	195.19	195.24	195.28	195.28	195.25	195.26	195.27	195.28	195.29
PROJECT ELEVATION	194.68	195.45	195.47	195.49	195.51	195.49	195.47	195.45	195.45
DIST. (m)	-14.00	-13.00	-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+940.00



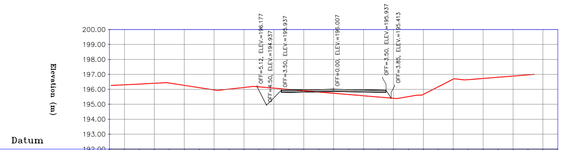
NATURAL GROUND ELEVATION	194.61	194.41	194.21	194.02	194.08	194.18	194.50	194.57	194.52	194.49	194.48	194.47	194.51	194.54	194.58	194.62	194.65	194.69	194.72	194.78	194.80	194.79	194.79	194.83	194.88	194.93	194.98	194.94
PROJECT ELEVATION	194.68	195.45	195.47	195.49	195.51	195.49	195.47	195.45
DIST. (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+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	195.10	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
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

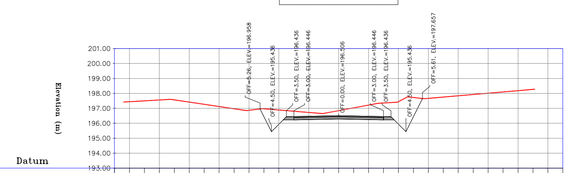


NATURAL GROUND ELEVATION	196.30	196.35	196.41	196.42	196.27	196.11	195.96	196.01	196.13	196.17	196.08	196.00	195.91	195.83	195.74	195.66	195.57	195.48	195.40	195.31	195.66	196.17	196.69	196.65	196.73	196.81	196.89	196.97
PROJECT ELEVATION	195.94	195.44	195.99	195.97	196.01	195.99	195.97	195.95
DIST. (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	196.51	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	196.31	195.81	196.32	196.34	196.36	196.38	196.36	196.34	196.32	195.81	196.31
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

0+970.00



NATURAL GROUND ELEVATION	197.44	197.50	197.56	197.56	197.42	197.27	197.12	196.98	196.97	196.88	196.80	196.72	196.66	196.66	196.84	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	195.66	195.94	196.45	196.47	196.49	196.51	196.49	196.47	196.45	195.94	195.49
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

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

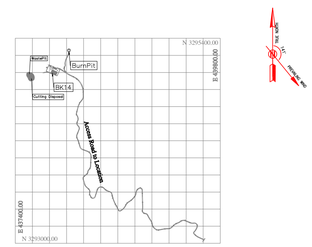
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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					
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)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

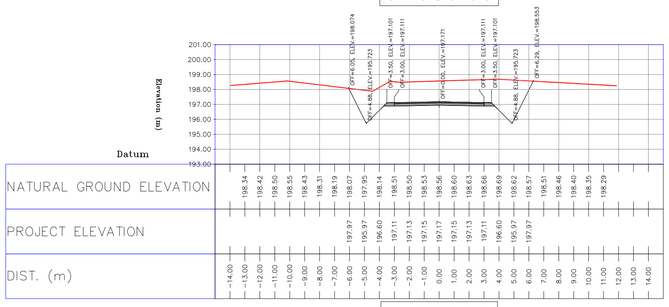
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

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

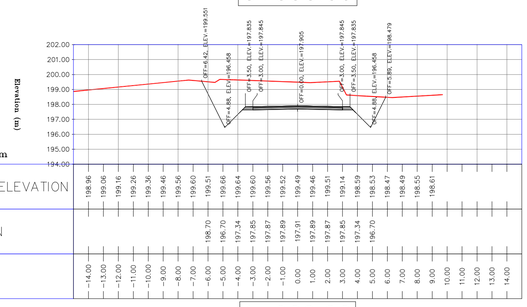
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	46 OF 103	D01	053-073-9184	F	4	S	708209	46	D02

0+980.00



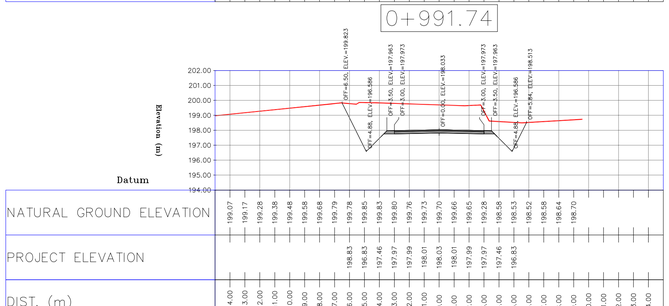
NATURAL GROUND ELEVATION	198.34	198.42	198.50	198.55	198.43	198.31	198.19	198.07	197.95	198.14	198.51	198.50	198.53	198.56	198.60	198.63	198.66	198.69	198.62	198.57	198.51	198.46	198.40	198.35	198.29				
PROJECT ELEVATION	197.97	197.97	196.60	197.11	197.13	197.15	197.17	197.15	197.13	197.11	196.60	197.13	197.15	197.17	197.15	197.13	197.11	196.60	195.97	197.97									
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+990.00



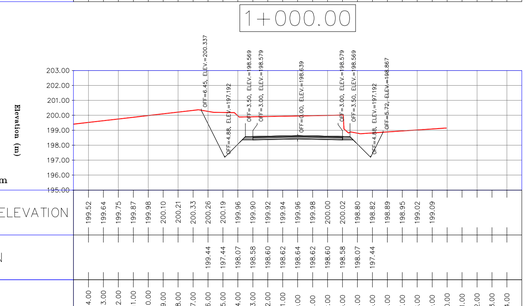
NATURAL GROUND ELEVATION	198.96	199.06	199.16	199.26	199.36	199.46	199.56	199.60	199.51	199.66	199.64	199.60	199.56	199.52	199.49	199.46	199.51	199.14	198.59	198.53	198.47	198.49	198.55	198.61					
PROJECT ELEVATION	198.70	196.70	197.34	197.85	197.87	197.89	197.91	197.89	197.87	197.85	197.34	196.70																	
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+991.74



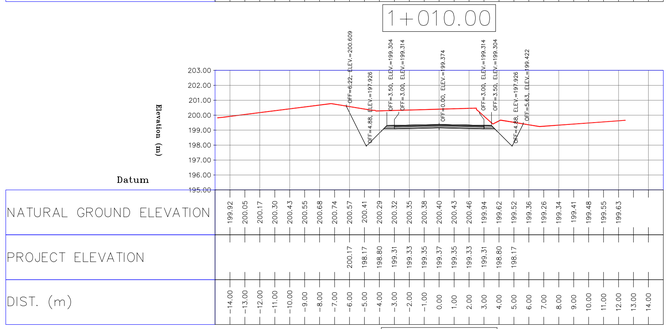
NATURAL GROUND ELEVATION	199.07	199.17	199.28	199.38	199.48	199.58	199.68	199.79	199.85	199.78	199.83	199.80	199.76	199.73	199.70	199.66	199.65	199.28	198.58	198.53	198.58	198.64	198.70						
PROJECT ELEVATION	198.83	196.83	197.46	197.97	197.99	198.01	198.03	198.01	197.99	197.97	197.46	196.83																	
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

1+000.00



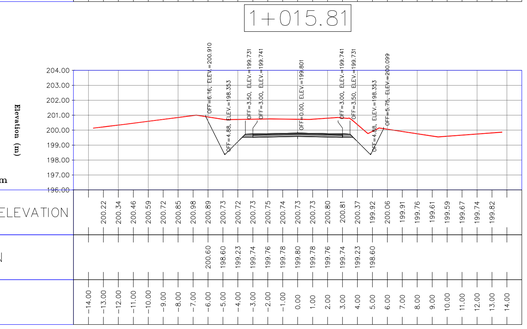
NATURAL GROUND ELEVATION	199.52	199.64	199.75	199.87	199.98	200.10	200.21	200.33	200.26	200.19	199.96	199.90	199.92	199.94	199.96	199.98	200.00	200.02	198.80	198.82	198.89	198.95	199.02	199.09					
PROJECT ELEVATION	199.44	197.44	198.07	198.58	198.60	198.62	198.64	198.62	198.60	198.58	198.07	197.44																	
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

1+010.00



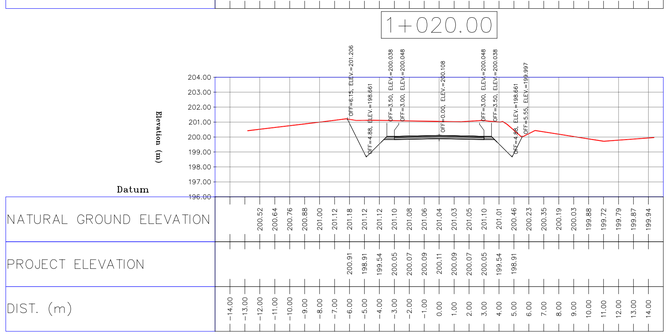
NATURAL GROUND ELEVATION	199.92	200.05	200.17	200.30	200.43	200.55	200.68	200.74	200.57	200.41	200.29	200.32	200.35	200.38	200.40	200.43	200.46	199.94	199.62	199.52	199.38	199.26	199.34	199.41	199.48	199.55	199.63		
PROJECT ELEVATION	200.17	198.17	198.80	199.31	199.33	199.35	199.37	199.35	199.33	199.31	198.80	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

1+015.81



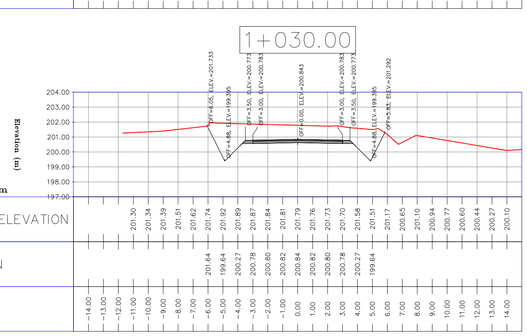
NATURAL GROUND ELEVATION	200.22	200.34	200.46	200.59	200.72	200.85	200.98	200.89	200.73	200.72	200.73	200.75	200.74	200.73	200.73	200.80	200.81	200.37	199.92	200.06	199.91	199.76	199.61	199.59	199.67	199.74	199.82		
PROJECT ELEVATION	200.60	198.60	199.23	199.74	199.76	199.78	199.80	199.78	199.76	199.74	199.23	198.60																	
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+020.00



NATURAL GROUND ELEVATION	200.52	200.64	200.76	200.88	201.00	201.12	201.18	201.12	201.12	201.10	201.08	201.06	201.04	201.03	201.05	201.01	201.01	200.46	200.23	200.19	200.03	199.88	199.72	199.79	199.87	199.94			
PROJECT ELEVATION	200.91	198.91	199.54	200.05	200.07	200.09	200.11	200.09	200.07	200.05	199.54	198.91																	
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

1+030.00



NATURAL GROUND ELEVATION	203.30	201.34	201.39	201.51	201.62	201.74	201.92	201.89	201.87	201.84	201.81	201.79	201.76	201.73	201.70	201.58	201.51	201.17	200.65	201.10	200.94	200.77	200.60	200.44	200.27	200.10			
PROJECT ELEVATION	201.64	199.64	200.27	200.78	200.80	200.82	200.84	200.82	200.80	200.78	200.27	199.64																	
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

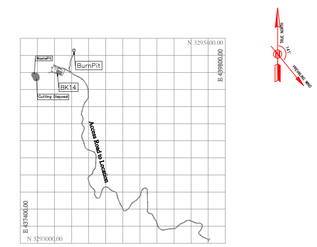
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

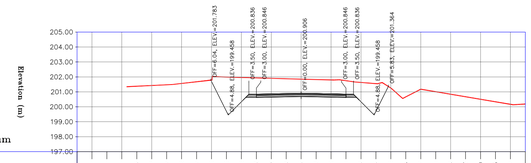
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

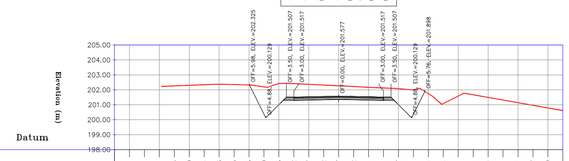
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	47 OF 103	D01	053-073-9184	F	4	S	708209	47	D02

1+030.86



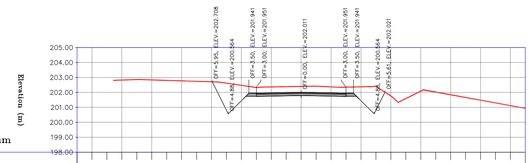
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	201.38	201.70
-13.00	201.42	199.70
-12.00	201.47	200.34
-11.00	201.56	200.85
-10.00	201.67	200.87
-9.00	201.79	200.89
-8.00	201.99	200.91
-7.00	201.96	200.89
-6.00	201.93	200.87
-5.00	201.90	200.85
-4.00	201.88	200.84
-3.00	201.85	200.85
-2.00	201.82	200.87
-1.00	201.79	200.89
0.00	201.74	200.91
1.00	201.63	200.89
2.00	201.55	200.87
3.00	201.26	200.85
4.00	200.66	200.34
5.00	201.17	199.70
6.00	201.01	
7.00	200.84	
8.00	200.67	
9.00	200.50	
10.00	200.33	
11.00	200.17	
12.00		
13.00		
14.00		

1+040.00



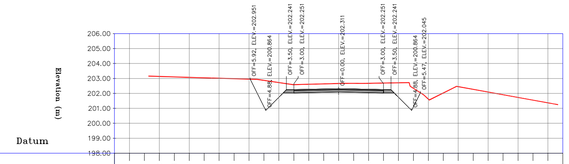
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	202.26	200.37
-13.00	202.30	201.01
-12.00	202.34	201.52
-11.00	202.38	201.54
-10.00	202.35	201.56
-9.00	202.33	201.58
-8.00	202.20	201.56
-7.00	202.43	201.54
-6.00	202.42	201.52
-5.00	202.37	201.01
-4.00	202.32	200.37
-3.00	202.27	
-2.00	202.22	
-1.00	202.17	
0.00	202.12	
1.00	202.07	
2.00	201.99	
3.00	201.75	
4.00	201.08	
5.00	201.59	
6.00	201.67	
7.00	201.50	
8.00	201.32	
9.00	201.14	
10.00	200.97	
11.00	200.79	
12.00		
13.00		
14.00		

1+045.91



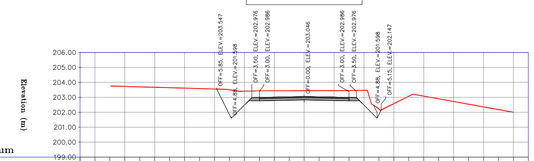
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	202.82	200.81
-13.00	202.86	201.44
-12.00	202.83	201.95
-11.00	202.80	201.97
-10.00	202.77	201.99
-9.00	202.74	202.01
-8.00	202.71	201.99
-7.00	202.62	201.97
-6.00	202.47	201.95
-5.00	202.33	201.44
-4.00	202.37	200.81
-3.00	202.39	
-2.00	202.40	
-1.00	202.42	
0.00	202.37	
1.00	202.35	
2.00	202.37	
3.00	202.40	
4.00	201.77	
5.00	201.58	
6.00	202.08	
7.00	202.02	
8.00	201.84	
9.00	201.66	
10.00	201.48	
11.00	201.30	
12.00	201.12	
13.00		
14.00		

1+050.00



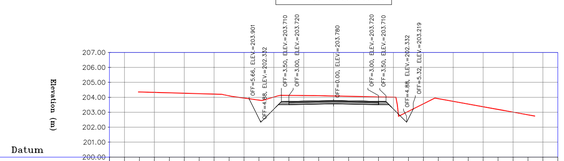
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	203.14	201.11
-13.00	203.11	201.74
-12.00	203.07	202.25
-11.00	203.04	202.27
-10.00	203.01	202.29
-9.00	202.98	202.31
-8.00	202.95	202.29
-7.00	202.87	202.27
-6.00	202.72	202.25
-5.00	202.59	201.74
-4.00	202.61	201.11
-3.00	202.64	
-2.00	202.66	
-1.00	202.64	
0.00	202.67	
1.00	202.68	
2.00	202.69	
3.00	202.71	
4.00	202.34	
5.00	201.62	
6.00	202.03	
7.00	202.45	
8.00	202.27	
9.00	202.09	
10.00	201.91	
11.00	201.73	
12.00	201.55	
13.00	201.37	
14.00		

1+060.00



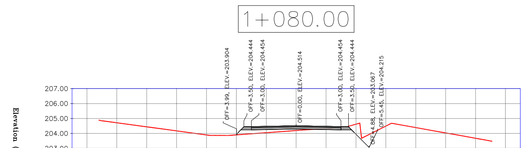
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	203.73	201.84
-13.00	203.70	202.48
-12.00	203.67	202.99
-11.00	203.64	203.01
-10.00	203.61	203.03
-9.00	203.58	203.05
-8.00	203.55	203.03
-7.00	203.50	203.01
-6.00	203.50	203.03
-5.00	203.40	202.99
-4.00	203.43	202.48
-3.00	203.43	201.84
-2.00	203.44	
-1.00	203.44	
0.00	203.44	
1.00	203.44	
2.00	203.45	
3.00	203.45	
4.00	203.47	
5.00	202.22	
6.00	202.57	
7.00	203.07	
8.00	203.08	
9.00	202.90	
10.00	202.72	
11.00	202.54	
12.00	202.36	
13.00	202.18	
14.00	202.00	

1+070.00



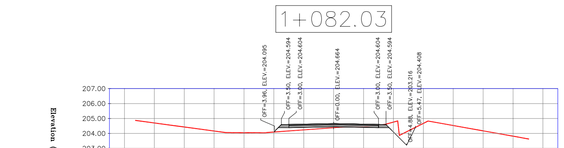
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	204.36	202.58
-13.00	204.33	203.21
-12.00	204.30	203.72
-11.00	204.27	203.74
-10.00	204.24	203.76
-9.00	204.21	203.78
-8.00	204.10	204.07
-7.00	203.95	204.05
-6.00	203.81	204.03
-5.00	204.02	204.01
-4.00	204.12	203.56
-3.00	204.12	203.90
-2.00	204.10	203.73
-1.00	204.09	203.55
0.00	204.07	203.37
1.00	204.05	203.19
2.00	204.03	203.01
3.00	204.01	202.83
4.00	203.58	
5.00	203.56	
6.00	203.90	
7.00	203.73	
8.00	203.55	
9.00	203.37	
10.00	203.19	
11.00	203.01	
12.00	202.83	
13.00		
14.00		

1+080.00



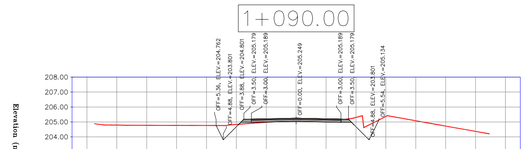
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	204.85	204.45
-13.00	204.71	204.47
-12.00	204.58	204.49
-11.00	204.44	204.51
-10.00	204.31	204.49
-9.00	204.17	204.47
-8.00	204.04	204.45
-7.00	203.90	203.94
-6.00	203.86	203.31
-5.00	203.90	
-4.00	203.98	
-3.00	204.05	
-2.00	204.13	
-1.00	204.19	
0.00	204.27	
1.00	204.28	
2.00	204.40	
3.00	204.62	
4.00	203.99	
5.00	204.49	
6.00	204.57	
7.00	204.39	
8.00	204.21	
9.00	204.03	
10.00	203.86	
11.00	203.68	
12.00	203.50	
13.00		
14.00		

1+082.03



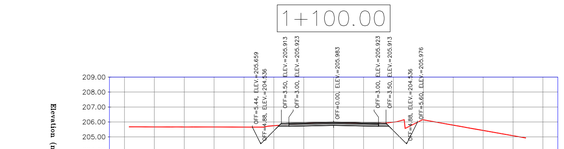
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	204.84	204.60
-13.00	204.70	204.62
-12.00	204.57	204.64
-11.00	204.43	204.66
-10.00	204.30	204.64
-9.00	204.16	204.62
-8.00	204.06	204.60
-7.00	204.05	204.55
-6.00	204.05	204.76
-5.00	204.09	204.17
-4.00	204.17	204.67
-3.00	204.24	204.71
-2.00	204.31	204.53
-1.00	204.38	204.35
0.00	204.46	204.17
1.00	204.45	203.99
2.00	204.55	203.82
3.00	204.76	203.64
4.00	204.17	
5.00	204.67	
6.00	204.71	
7.00	204.53	
8.00	204.35	
9.00	204.17	
10.00	203.99	
11.00	203.82	
12.00	203.64	
13.00		
14.00		

1+090.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	204.82	204.05
-13.00	204.80	204.68
-12.00	204.78	205.19
-11.00	204.77	205.21
-10.00	204.77	205.23
-9.00	204.77	205.21
-8.00	204.77	205.19
-7.00	204.76	204.98
-6.00	204.76	205.05
-5.00	204.83	205.12
-4.00	204.90	205.11
-3.00	204.98	205.10
-2.00	205.05	205.19
-1.00	205.12	204.68
0.00	205.11	204.05
1.00	205.10	
2.00	205.19	
3.00	205.14	
4.00	205.30	
5.00	204.86	
6.00	205.36	
7.00	205.26	
8.00	205.08	
9.00	204.90	
10.00	204.72	
11.00	204.55	
12.00	204.37	
13.00		
14.00		

1+100.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	205.67	204.78
-13.00	205.67	205.41
-12.00	205.67	205.92
-11.00	205.67	205.94
-10.00	205.66	205.96
-9.00	205.66	205.98
-8.00	205.66	205.96
-7.00	205.66	205.94
-6.00	205.66	205.93
-5.00	205.75	205.93
-4.00	205.75	205.92
-3.00	205.82	205.99
-2.00	205.90	205.41
-1.00	205.94	204.78
0.00	205.95	
1.00	205.94	
2.00	205.93	
3.00	205.93	
4.00	205.92	
5.00	205.99	
6.00	205.67	
7.00	206.14	
8.00	205.96	
9.00	205.79	
10.00	205.61	
11.00	205.43	
12.00	205.26	
13.00	205.08	
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

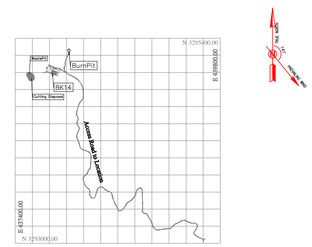
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60, 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT

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.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 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	48 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

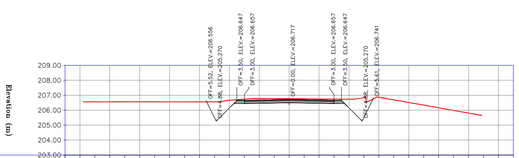
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

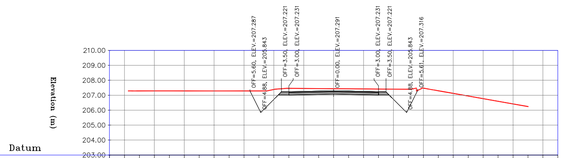
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	48	D02

1+110.00



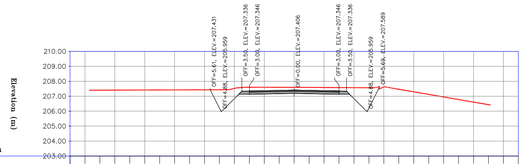
NATURAL GROUND ELEVATION	206.56	206.56	206.56	206.56	206.56	206.56	206.56	206.56	206.66	206.74	206.78	206.77	206.77	206.76	206.75	206.74	206.73	206.85	206.87	206.69	206.51	206.34	206.16	205.99	205.81					
PROJECT ELEVATION	205.51	206.15	206.66	206.68	206.70	206.72	206.70	206.68	206.66	206.15	206.85	205.51																		
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+118.15



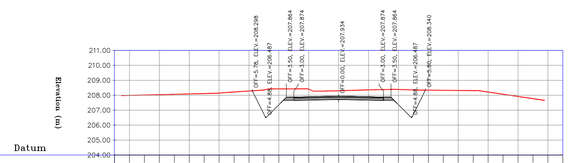
NATURAL GROUND ELEVATION	207.28	207.29	207.29	207.29	207.29	207.29	207.29	207.29	207.29	207.39	207.46	207.45	207.45	207.44	207.43	207.42	207.41	207.40	207.47	207.30	207.12	206.95	206.77	206.60	206.42	206.24				
PROJECT ELEVATION	206.09	206.72	207.23	207.25	207.27	207.29	207.27	207.25	207.23	206.72	206.09																			
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	

1+120.00



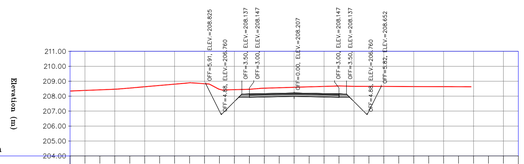
NATURAL GROUND ELEVATION	207.40	207.40	207.41	207.42	207.42	207.42	207.43	207.43	207.52	207.60	207.59	207.59	207.59	207.58	207.58	207.58	207.57	207.63	207.47	207.29	207.12	206.95	206.78	206.61	206.43					
PROJECT ELEVATION	206.20	206.84	207.35	207.37	207.39	207.41	207.39	207.37	207.35	206.84	206.20																			
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+130.00



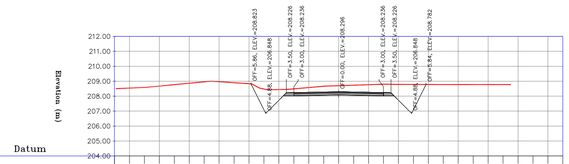
NATURAL GROUND ELEVATION	207.99	208.01	208.04	208.06	208.09	208.11	208.15	208.21	208.28	208.35	208.42	208.40	208.28	208.30	208.33	208.36	208.39	208.36	208.34	208.33	208.32	208.31	208.21	208.06	207.92	207.77				
PROJECT ELEVATION	206.73	207.36	207.87	207.89	207.91	207.93	207.91	207.89	207.87	207.36	206.73																			
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+137.09



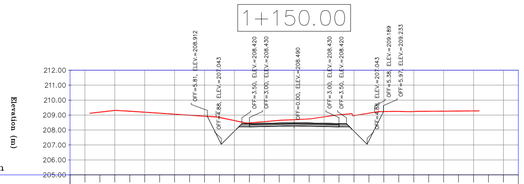
NATURAL GROUND ELEVATION	208.38	208.42	208.46	208.54	208.63	208.72	208.81	208.90	208.83	208.46	208.44	208.47	208.54	208.56	208.59	208.62	208.65	208.66	208.65	208.65	208.65	208.64	208.64	208.64	208.63					
PROJECT ELEVATION	207.00	207.64	208.15	208.17	208.19	208.21	208.19	208.17	208.15	207.64	207.00																			
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	

1+140.00



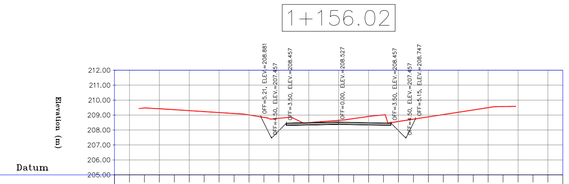
NATURAL GROUND ELEVATION	208.54	208.58	208.67	208.77	208.86	208.96	208.97	208.90	208.83	208.48	208.45	208.49	208.58	208.66	208.70	208.73	208.77	208.80	208.78	208.78	208.78	208.78	208.78	208.78	208.78					
PROJECT ELEVATION	207.09	207.73	208.24	208.26	208.28	208.30	208.28	208.26	208.24	207.73	207.09																			
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	

1+150.00



NATURAL GROUND ELEVATION	209.20	209.31	209.26	209.19	209.12	209.06	208.99	208.92	208.86	208.63	208.47	208.56	208.64	208.69	208.74	208.88	209.01	208.96	209.13	209.23	209.24	209.24	209.25	209.26	209.27	209.28				
PROJECT ELEVATION	207.68	207.92	208.45	208.47	208.49	208.47	208.45	208.43	208.41	207.92	207.56																			
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	

1+156.02



NATURAL GROUND ELEVATION	209.48	209.42	209.36	209.30	209.23	209.17	209.11	209.01	208.85	208.78	208.77	208.49	208.51	208.65	208.76	208.91	209.01	208.57	208.72	208.88	209.03	209.19	209.34	209.50	209.57					
PROJECT ELEVATION	208.46	207.96	208.47	208.49	208.51	208.53	208.51	208.49	208.47	207.96	208.46																			
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	

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".
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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

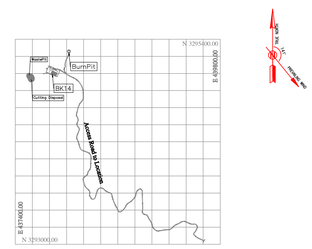
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

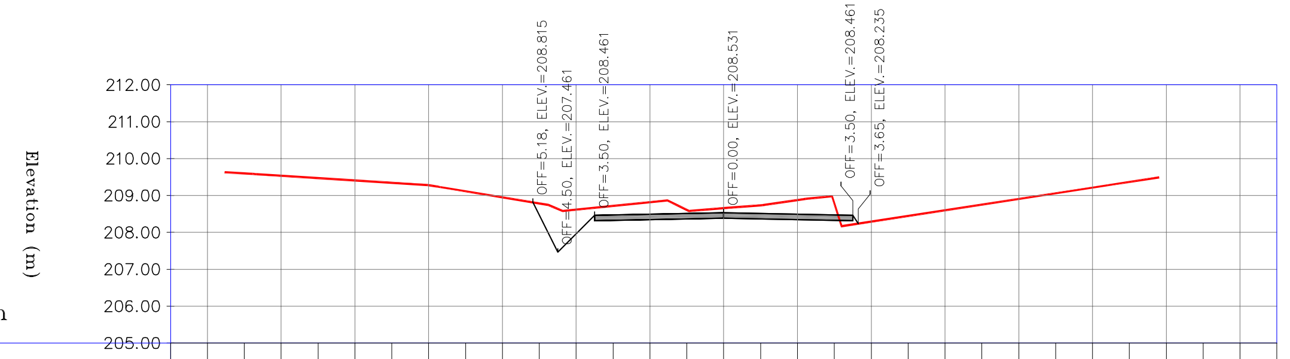
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

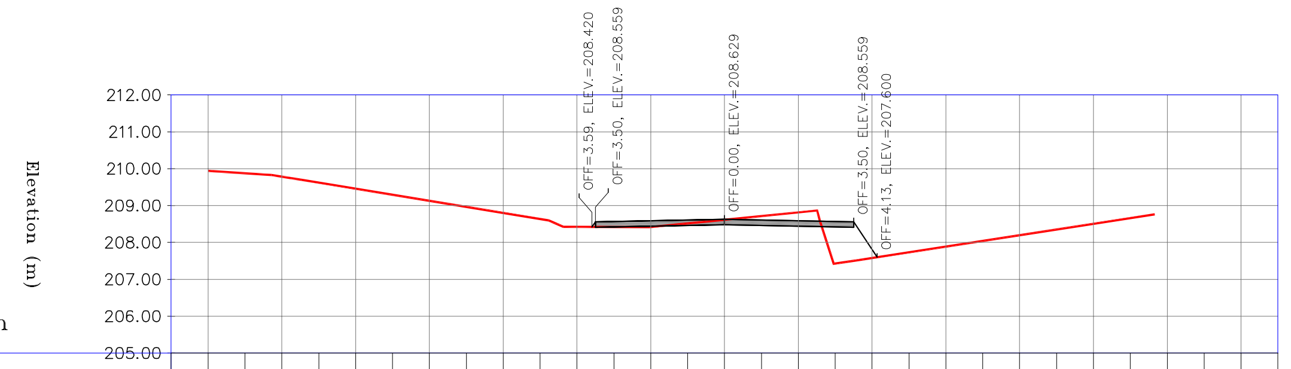
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	49 OF 103	D01	053-073-9184	F	4	S	708209	49	D02

1+160.00



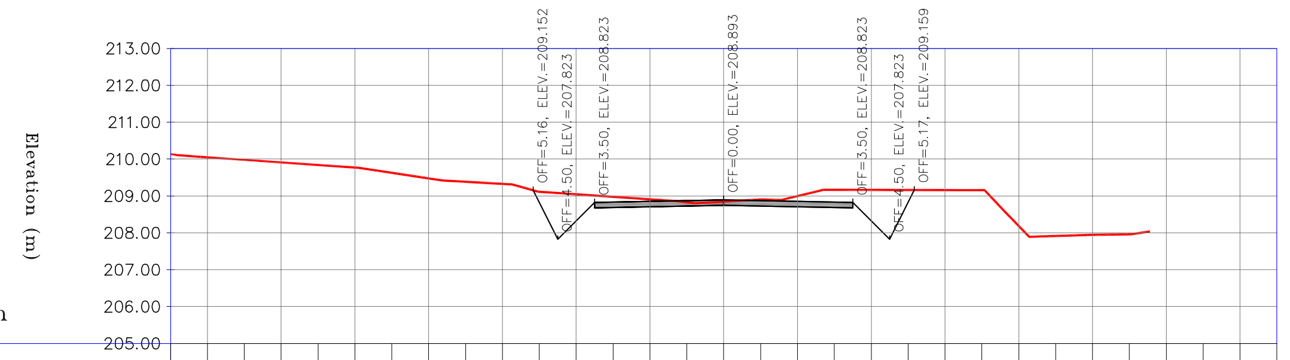
NATURAL GROUND ELEVATION		209.60	209.53	209.47	209.41	209.35	209.28	209.11	208.95	208.79	208.61	208.72	208.82	208.61	208.66	208.73	208.88	208.78	208.29	208.44	208.60	208.75	208.91	209.06	209.21	209.37			
PROJECT ELEVATION										208.46	207.96	208.47	208.49	208.51	208.53	208.51	208.49	208.47											
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+170.00



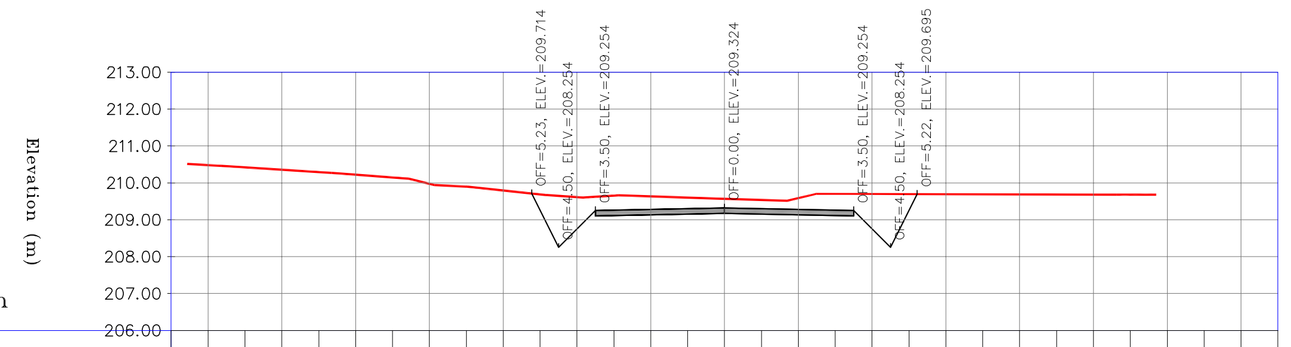
NATURAL GROUND ELEVATION		209.88	209.79	209.62	209.46	209.29	209.13	208.96	208.80	208.64	208.42	208.42	208.41	208.51	208.61	208.72	208.82	207.43	207.58	207.73	207.89	208.04	208.20	208.35	208.50	208.66			
PROJECT ELEVATION												208.57	208.59	208.61	208.63	208.61	208.59	208.57	207.80										
DIST. (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

1+180.00



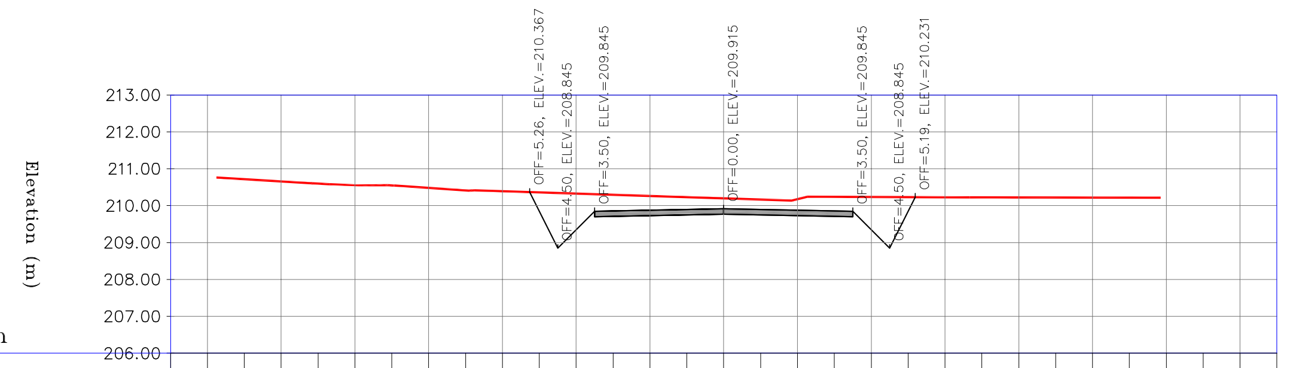
NATURAL GROUND ELEVATION	210.05	209.98	209.91	209.84	209.77	209.63	209.48	209.38	209.33	209.11	209.04	208.98	208.91	208.83	208.85	208.91	209.00	209.16	209.16	209.16	209.16	209.15	208.19	207.91	207.94	207.96			
PROJECT ELEVATION										208.82	208.32	208.83	208.85	208.87	208.89	208.87	208.85	208.83	208.32	208.82									
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+190.00



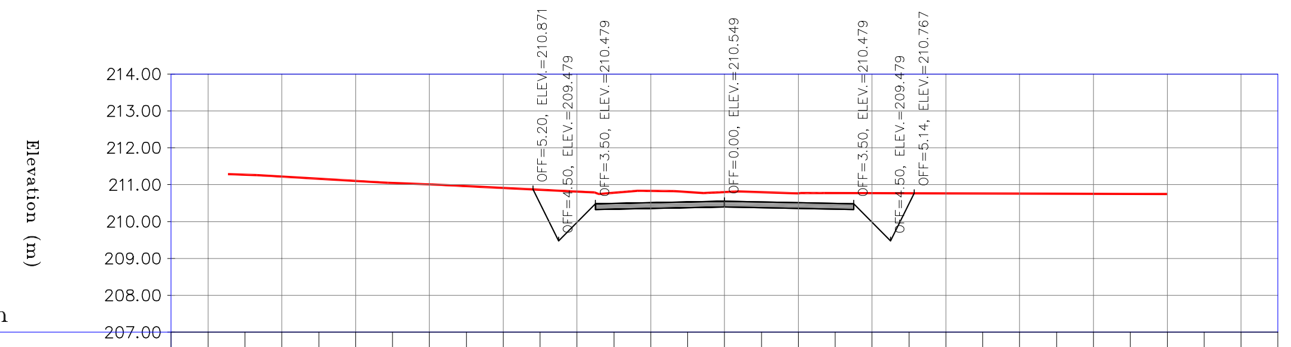
NATURAL GROUND ELEVATION	210.48	210.42	210.35	210.29	210.22	210.15	209.98	209.90	209.80	209.69	209.62	209.65	209.63	209.60	209.57	209.54	209.59	209.70	209.70	209.70	209.69	209.69	209.69	209.69	209.68	209.68			
PROJECT ELEVATION										209.25	208.75	209.26	209.28	209.30	209.32	209.30	209.28	209.26	208.75	209.25									
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

1+200.00



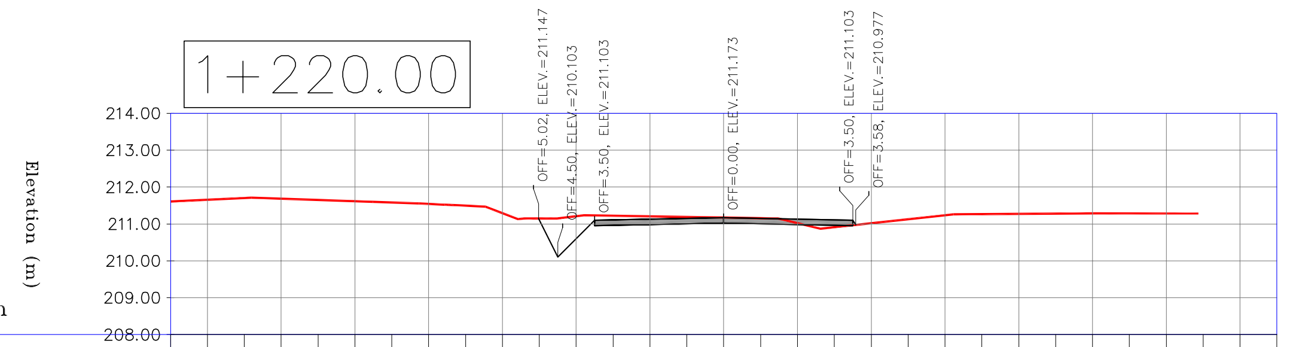
NATURAL GROUND ELEVATION		210.72	210.66	210.60	210.55	210.55	210.48	210.41	210.39	210.36	210.33	210.29	210.26	210.23	210.20	210.16	210.17	210.24	210.23	210.23	210.23	210.23	210.22	210.22	210.22	210.22			
PROJECT ELEVATION										209.85	209.35	209.86	209.88	209.90	209.92	209.90	209.88	209.86	209.35	209.85									
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+210.00



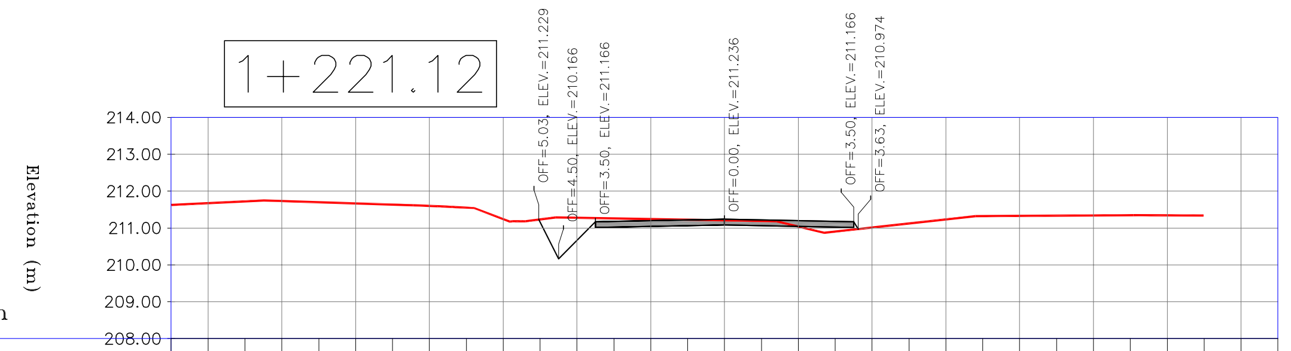
NATURAL GROUND ELEVATION		211.27	211.22	211.16	211.10	211.04	211.01	210.96	210.91	210.86	210.81	210.78	210.83	210.80	210.80	210.79	210.76	210.77	210.77	210.77	210.76	210.76	210.76	210.76	210.75	210.75			
PROJECT ELEVATION										210.48	209.98	210.49	210.51	210.53	210.55	210.53	210.51	210.49	209.98	210.48									
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



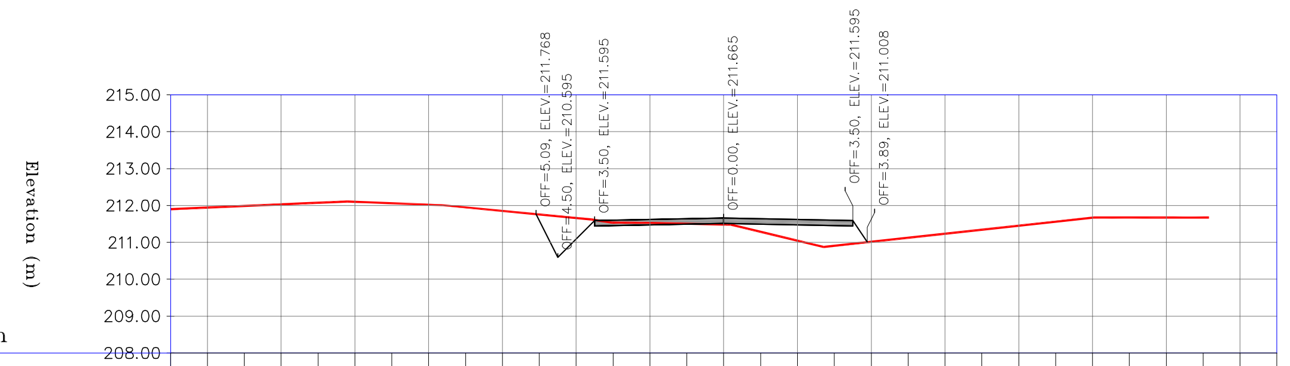
NATURAL GROUND ELEVATION	211.65	211.70	211.68	211.65	211.62	211.58	211.54	211.49	211.29	211.15	211.21	211.22	211.21	211.19	211.17	211.15	211.02	210.91	211.02	211.13	211.24	211.27	211.28	211.29	211.29	211.29			
PROJECT ELEVATION										211.10	210.60	211.11	211.13	211.15	211.17	211.15	211.13	211.11											
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



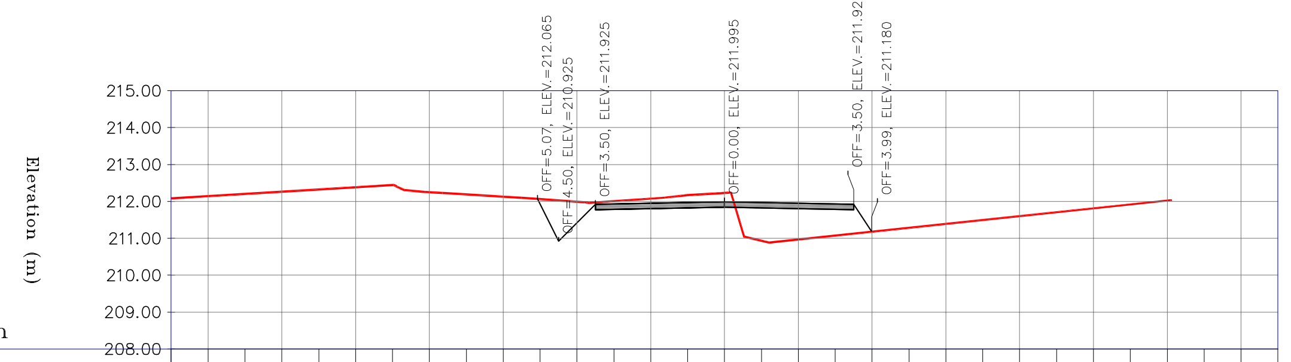
NATURAL GROUND ELEVATION	211.68	211.72	211.73	211.70	211.67	211.63	211.60	211.55	211.25	211.23	211.28	211.26	211.24	211.23	211.21	211.19	211.04	210.91	211.01	211.12	211.23	211.32	211.33	211.33	211.34	211.35	211.35		
PROJECT ELEVATION										211.17	210.67	211.18	211.20	211.22	211.24	211.22	211.20	211.18											
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	212.10	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	211.67	
PROJECT ELEVATION										211.59	211.09	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										211.92	211.42	211.93	211.95	211.97	211.99	211.97	211.95	211.93											
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

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

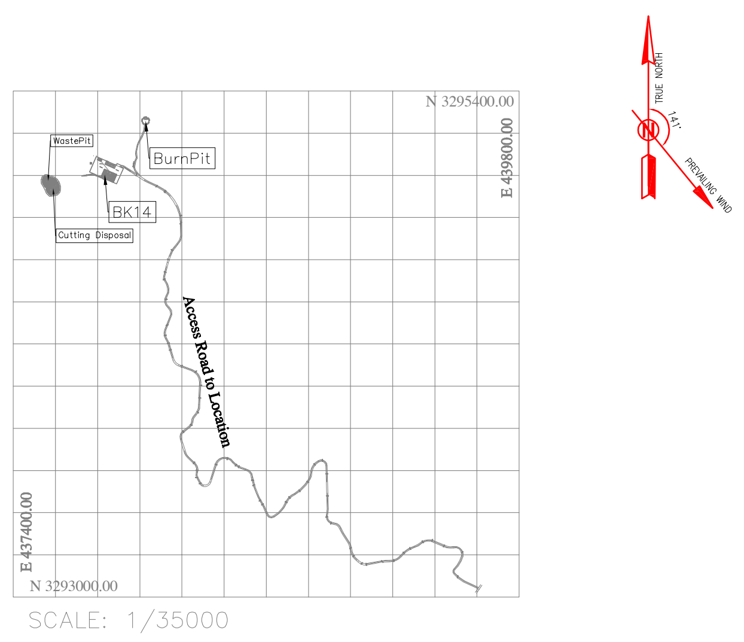
⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
▭	SITE	◄	WATER COURSE
▭	CAMP SITE	60 50	CONTOURS
—	ASPHALT ROAD	99.27	SPOT HEIGHT
—	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD	⇌	BRIDGE
∼	DAYLIGHT	⊣⊢	CULVERT

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.
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
HIRGAN ENERGY — DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE:
CIVIL AND STRUCTURAL DRAWINGS — BK14
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	50 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB—SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

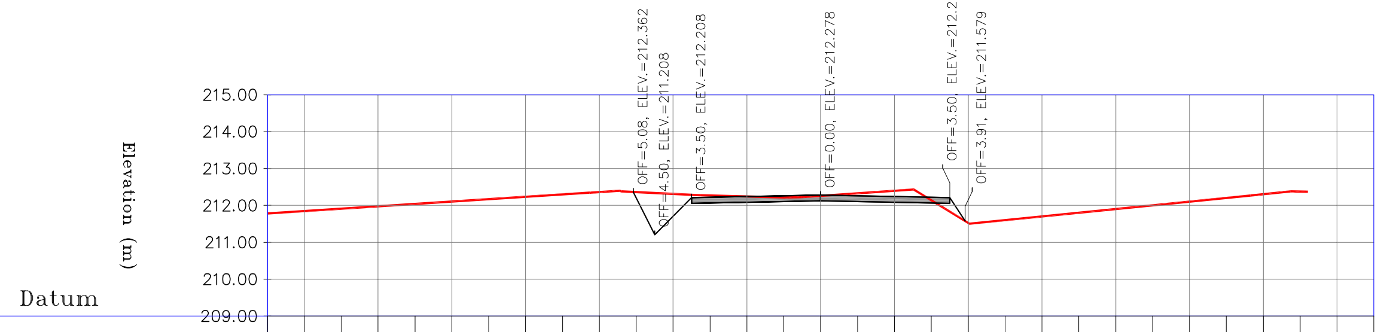
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

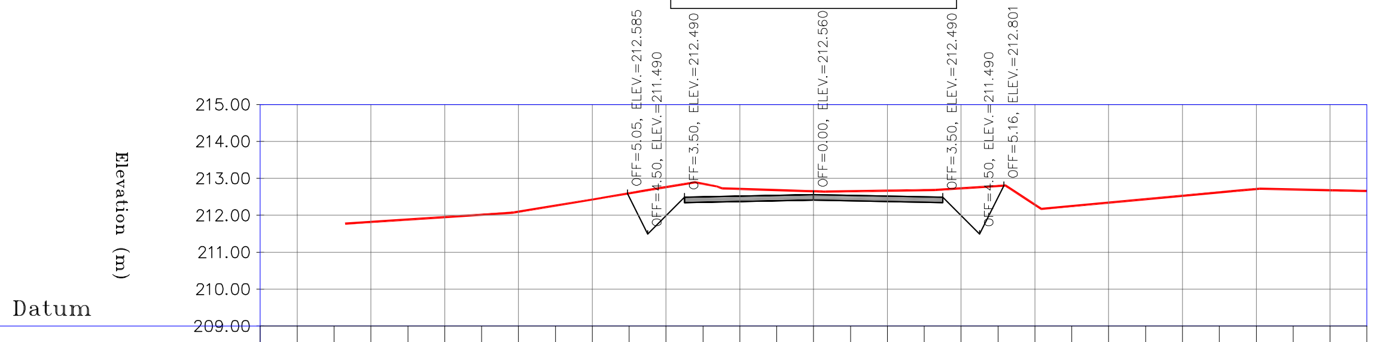
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053—073—9184	F	4	S	708209	50	D02

1+250.00



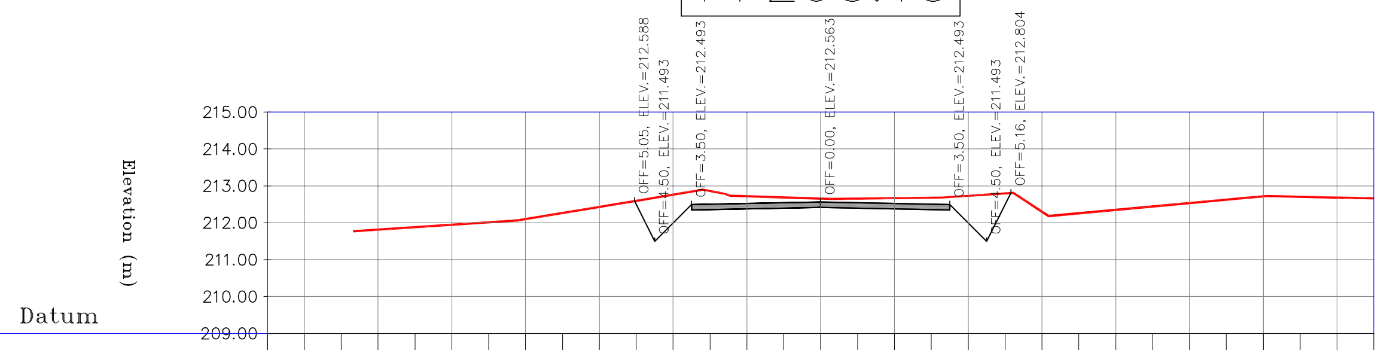
NATURAL GROUND ELEVATION	211.85	211.91	211.98	212.04	212.10	212.17	212.23	212.30	212.36	212.36	212.31	212.27	212.24	212.22	212.26	212.33	212.40	212.14	211.53	211.60	211.70	211.80	211.90	212.00	212.10	212.20	212.30	212.37	
PROJECT ELEVATION										212.21	211.71	212.22	212.24	212.26	212.28	212.26	212.24	212.22											
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

1+260.00



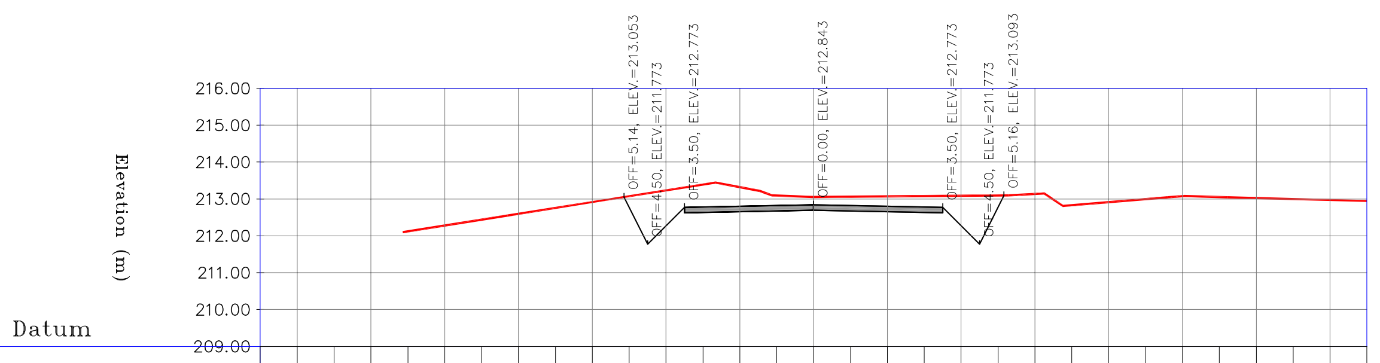
NATURAL GROUND ELEVATION			211.82	211.88	211.95	212.02	212.09	212.26	212.43	212.59	212.76	212.85	212.71	212.68	212.65	212.65	212.66	212.68	212.73	212.79	212.29	212.25	212.34	212.43	212.53	212.62	212.71	212.70	212.68
PROJECT ELEVATION										212.49	211.99	212.50	212.52	212.54	212.56	212.54	212.52	212.50	211.99	212.49									
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

1+260.10



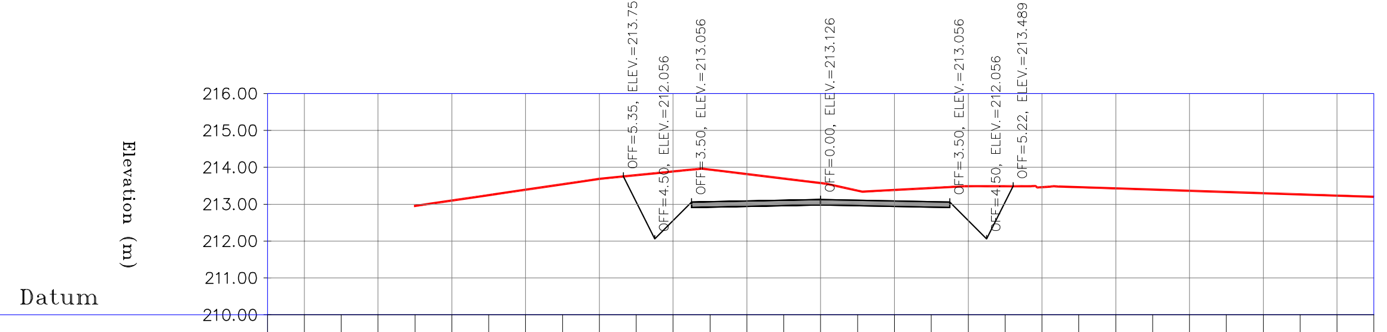
NATURAL GROUND ELEVATION			211.82	211.88	211.95	212.01	212.10	212.26	212.43	212.60	212.76	212.86	212.72	212.69	212.65	212.65	212.67	212.68	212.73	212.79	212.30	212.26	212.35	212.44	212.53	212.62	212.71	212.70	212.68
PROJECT ELEVATION										212.49	211.99	212.50	212.52	212.54	212.56	212.54	212.52	212.50	211.99	212.49									
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

1+270.00



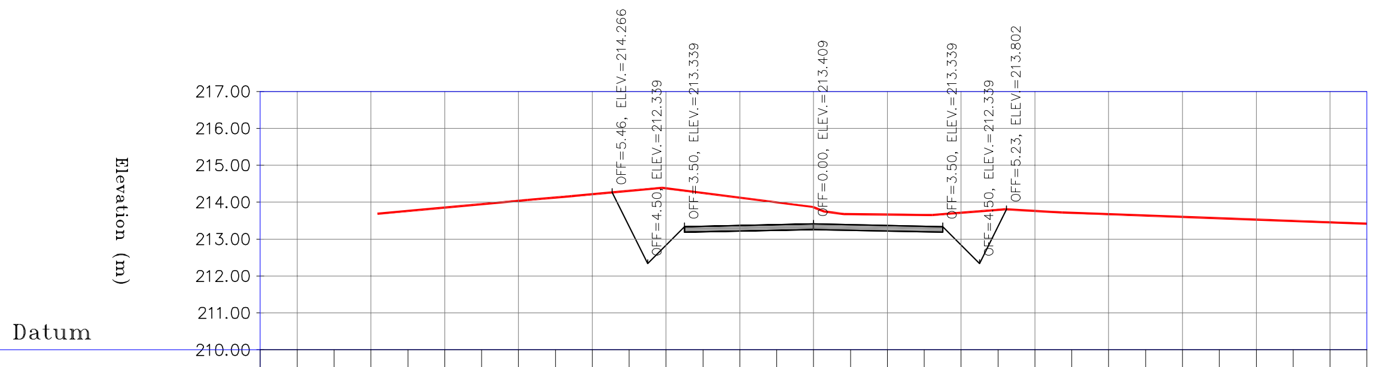
NATURAL GROUND ELEVATION				212.12	212.28	212.44	212.60	212.76	212.92	213.08	213.23	213.39	213.32	213.09	213.06	213.06	213.07	213.08	213.08	213.09	213.14	212.83	212.91	212.99	213.08	213.05	213.03	213.00	212.97
PROJECT ELEVATION										212.77	212.27	212.78	212.80	212.82	212.84	212.82	212.80	212.78	212.27	212.77									
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+280.00



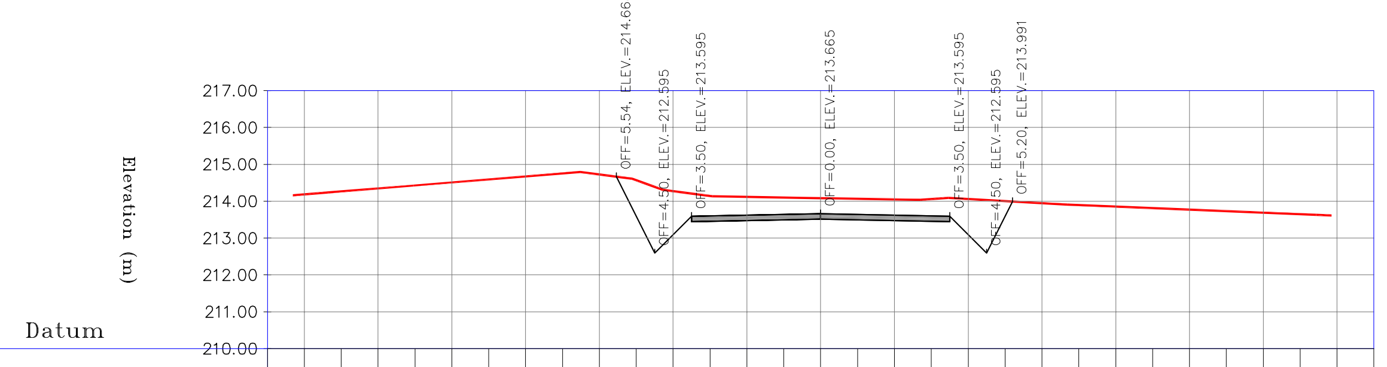
NATURAL GROUND ELEVATION				212.95	213.10	213.25	213.40	213.54	213.69	213.79	213.89	213.94	213.82	213.69	213.57	213.37	213.39	213.44	213.49	213.49	213.46	213.46	213.43	213.39	213.36	213.33	213.30	213.26	213.23
PROJECT ELEVATION										213.06	212.56	213.07	213.09	213.11	213.13	213.11	213.09	213.07	212.56	213.06									
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

1+290.00



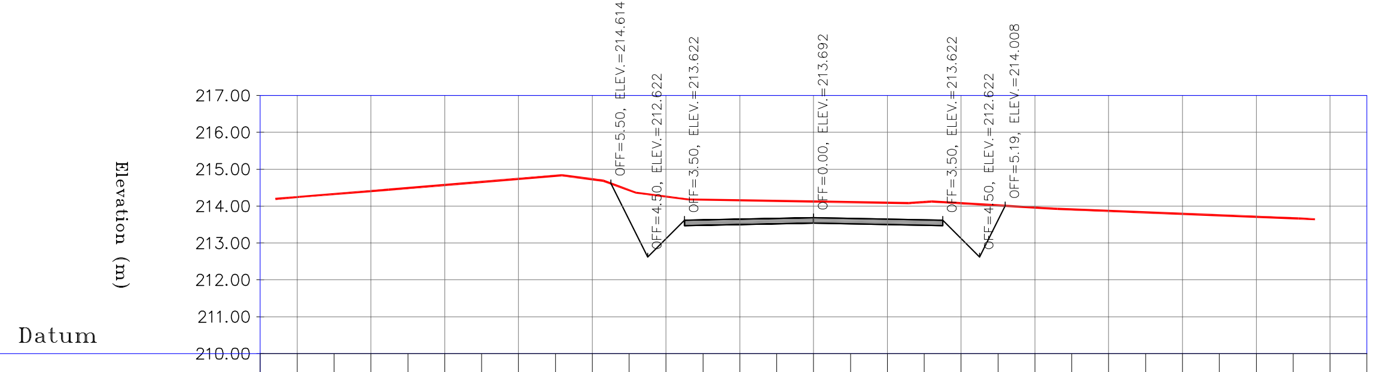
NATURAL GROUND ELEVATION				213.76	213.85	213.94	214.04	214.13	214.22	214.31	214.37	214.25	214.12	214.00	213.86	213.68	213.67	213.66	213.71	213.79	213.76	213.71	213.67	213.64	213.60	213.56	213.53	213.49	213.45
PROJECT ELEVATION										213.34	212.84	213.35	213.37	213.39	213.41	213.39	213.37	213.35	212.84	213.34									
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

1+299.07



NATURAL GROUND ELEVATION	214.18	214.26	214.35	214.43	214.51	214.59	214.67	214.76	214.73	214.57	214.27	214.14	214.12	214.10	214.08	214.07	214.05	214.06	214.06	214.00	213.94	213.89	213.85	213.81	213.77	213.73	213.69	213.65	
PROJECT ELEVATION										213.60	213.10	213.61	213.63	213.65	213.67	213.65	213.63	213.61	213.10	213.60									
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+300.00



NATURAL GROUND ELEVATION	214.25	214.33	214.41	214.49	214.57	214.66	214.74	214.82	214.73	214.43	214.26	214.18	214.16	214.14	214.12	214.11	214.09	214.11	214.08	214.02	213.96	213.91	213.87	213.83	213.79	213.75	213.71	213.67	
PROJECT ELEVATION										213.62	213.12	213.63	213.65	213.67	213.69	213.67	213.65	213.63	213.12	213.62									
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

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

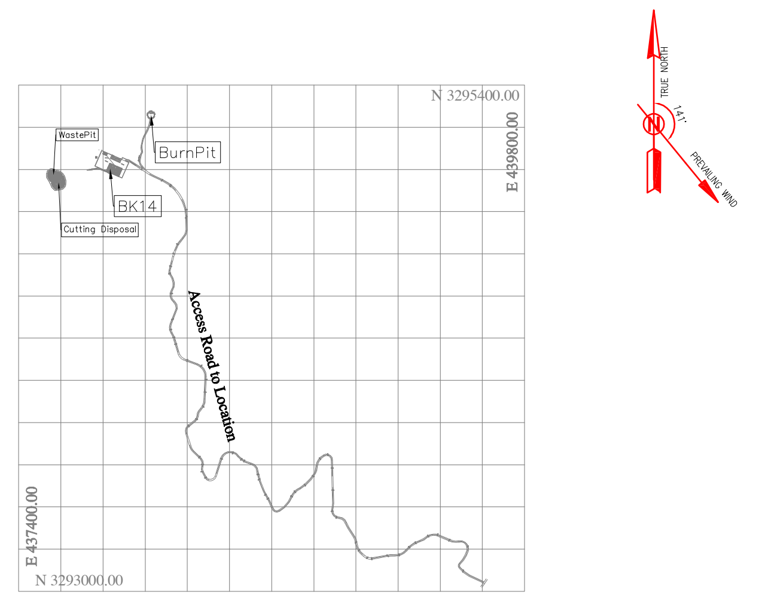
⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
▭	SITE	◄	WATER COURSE
▭	CAMP SITE	≈ 60 50	CONTOURS
—	ASPHALT ROAD	99.27	SPOT HEIGHT
—	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD	═	BRIDGE
~	DAYLIGHT	╫	CULVERT

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

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.	

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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	51 OF 103	D01

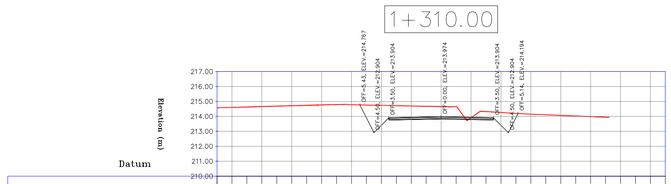
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

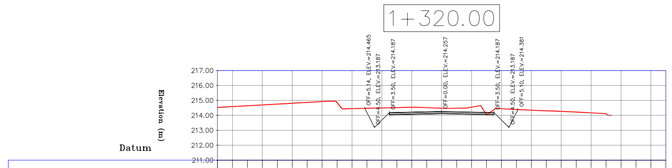
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

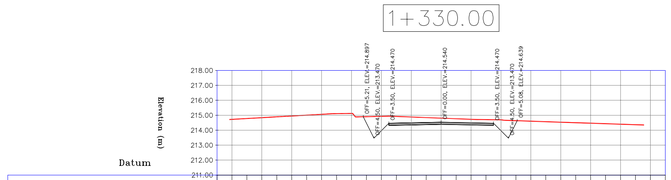
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	51	D02



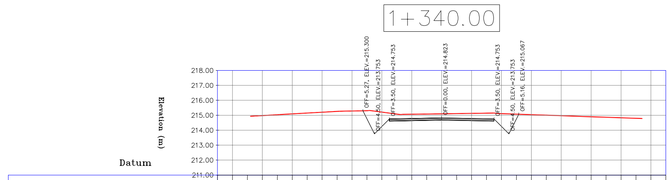
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	214.60	
-13.00	214.63	
-12.00	214.66	
-11.00	214.68	
-10.00	214.71	
-9.00	214.74	
-8.00	214.77	
-7.00	214.79	
-6.00	214.78	
-5.00	214.76	213.90
-4.00	214.74	213.40
-3.00	214.72	213.91
-2.00	214.70	213.93
-1.00	214.68	213.95
0.00	214.66	213.97
1.00	214.66	213.95
2.00	213.91	213.93
3.00	214.32	213.91
4.00	214.26	213.40
5.00	214.20	213.90
6.00	214.15	
7.00	214.11	
8.00	214.07	
9.00	214.03	
10.00	213.99	
11.00	213.95	
12.00		
13.00		
14.00		



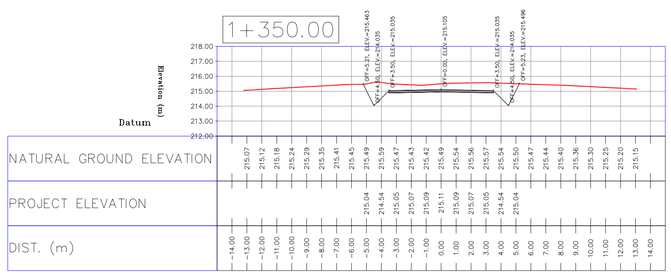
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	214.58	
-13.00	214.64	
-12.00	214.69	
-11.00	214.75	
-10.00	214.81	
-9.00	214.86	
-8.00	214.92	
-7.00	214.84	
-6.00	214.44	
-5.00	214.47	214.19
-4.00	214.49	213.69
-3.00	214.52	214.20
-2.00	214.54	214.22
-1.00	214.51	214.24
0.00	214.47	214.26
1.00	214.48	214.24
2.00	214.55	214.22
3.00	214.03	214.20
4.00	214.44	213.69
5.00	214.39	214.19
6.00	214.34	
7.00	214.30	
8.00	214.26	
9.00	214.22	
10.00	214.17	
11.00	214.10	
12.00		
13.00		
14.00		



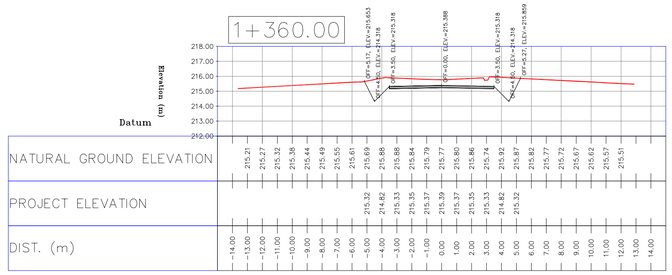
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	214.73	
-13.00	214.76	
-12.00	214.84	
-11.00	214.89	
-10.00	214.95	
-9.00	215.01	
-8.00	215.06	
-7.00	215.11	
-6.00	215.13	
-5.00	214.90	214.47
-4.00	214.93	213.97
-3.00	214.92	214.48
-2.00	214.88	214.50
-1.00	214.84	214.52
0.00	214.81	214.54
1.00	214.77	214.52
2.00	214.73	214.50
3.00	214.71	214.48
4.00	214.69	213.97
5.00	214.64	214.47
6.00	214.61	
7.00	214.57	
8.00	214.54	
9.00	214.51	
10.00	214.47	
11.00	214.44	
12.00	214.40	
13.00	214.37	
14.00		



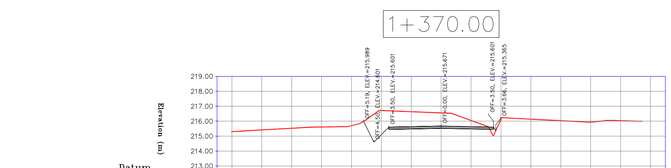
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	214.98	
-13.00	215.04	
-12.00	215.09	
-11.00	215.15	
-10.00	215.21	
-9.00	215.26	
-8.00	215.29	
-7.00	215.30	
-6.00	215.21	
-5.00	215.30	214.75
-4.00	215.21	214.25
-3.00	215.08	214.76
-2.00	215.07	214.78
-1.00	215.08	214.80
0.00	215.10	214.82
1.00	215.11	214.80
2.00	215.13	214.78
3.00	215.14	214.76
4.00	215.11	214.25
5.00	215.07	214.75
6.00	215.04	
7.00	215.00	
8.00	214.97	
9.00	214.94	
10.00	214.90	
11.00	214.87	
12.00	214.84	
13.00	214.80	
14.00		



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.07	
-13.00	215.12	
-12.00	215.18	
-11.00	215.24	
-10.00	215.29	
-9.00	215.35	
-8.00	215.41	
-7.00	215.45	
-6.00	215.49	
-5.00	215.49	215.04
-4.00	215.59	214.54
-3.00	215.47	215.05
-2.00	215.43	215.07
-1.00	215.42	215.09
0.00	215.49	215.11
1.00	215.54	215.09
2.00	215.56	215.07
3.00	215.57	215.05
4.00	215.54	214.54
5.00	215.50	215.04
6.00	215.47	
7.00	215.44	
8.00	215.40	
9.00	215.36	
10.00	215.30	
11.00	215.25	
12.00	215.20	
13.00	215.15	
14.00		



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.21	
-13.00	215.27	
-12.00	215.32	
-11.00	215.38	
-10.00	215.44	
-9.00	215.49	
-8.00	215.55	
-7.00	215.61	
-6.00	215.69	
-5.00	215.88	215.32
-4.00	215.88	214.82
-3.00	215.88	215.33
-2.00	215.84	215.35
-1.00	215.79	215.37
0.00	215.77	215.39
1.00	215.80	215.37
2.00	215.86	215.35
3.00	215.74	215.33
4.00	215.92	214.82
5.00	215.87	215.32
6.00	215.82	
7.00	215.77	
8.00	215.72	
9.00	215.67	
10.00	215.62	
11.00	215.57	
12.00	215.51	
13.00		
14.00		



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.30	
-13.00	215.36	
-12.00	215.41	
-11.00	215.47	
-10.00	215.52	
-9.00	215.58	
-8.00	215.61	
-7.00	215.62	
-6.00	215.70	
-5.00	216.11	215.60
-4.00	216.72	215.10
-3.00	216.67	215.61
-2.00	216.63	215.63
-1.00	216.59	215.65
0.00	216.55	215.67
1.00	216.41	215.65
2.00	216.05	215.63
3.00	215.68	215.61
4.00	216.12	
5.00	216.19	
6.00	216.13	
7.00	216.08	
8.00	216.03	
9.00	215.98	
10.00	215.93	
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12.00	216.03	
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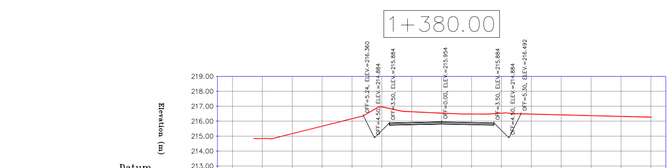
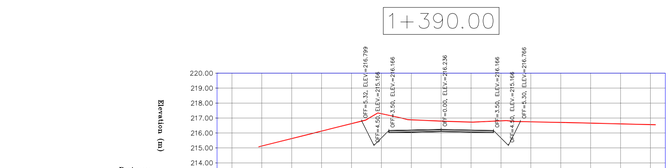
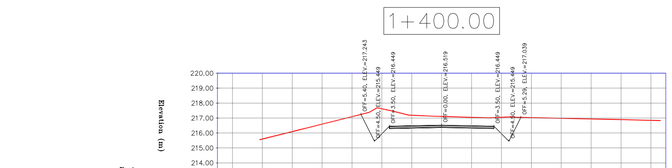


DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	214.84	
-13.00	214.92	
-12.00	215.17	
-11.00	215.41	
-10.00	215.66	
-9.00	215.91	
-8.00	216.16	
-7.00	216.50	
-6.00	216.96	
-5.00	216.96	215.88
-4.00	216.75	215.38
-3.00	216.63	215.89
-2.00	216.58	215.91
-1.00	216.54	215.93
0.00	216.49	215.95
1.00	216.47	215.93
2.00	216.48	215.91
3.00	216.53	215.89
4.00	216.50	215.38
5.00	216.47	215.88
6.00	216.45	
7.00	216.42	
8.00	216.40	
9.00	216.37	
10.00	216.35	
11.00	216.32	
12.00	216.30	
13.00	216.27	
14.00		



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.13	
-13.00	215.38	
-12.00	215.63	
-11.00	215.88	
-10.00	216.13	
-9.00	216.38	
-8.00	216.63	
-7.00	216.90	
-6.00	217.29	
-5.00	217.29	216.17
-4.00	217.08	215.67
-3.00	216.88	216.18
-2.00	216.88	216.20
-1.00	216.84	216.22
0.00	216.80	216.24
1.00	216.76	216.22
2.00	216.73	216.20
3.00	216.77	216.18
4.00	216.81	215.67
5.00	216.77	216.17
6.00	216.75	
7.00	216.73	
8.00	216.71	
9.00	216.69	
10.00	216.66	
11.00	216.64	
12.00	216.61	
13.00	216.58	
14.00	216.56	



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.59	
-13.00	215.84	
-12.00	216.09	
-11.00	216.34	
-10.00	216.59	
-9.00	216.84	
-8.00	217.09	
-7.00	217.34	
-6.00	217.62	
-5.00	217.40	216.45
-4.00	217.19	215.95
-3.00	217.14	216.46
-2.00	217.11	216.48
-1.00	217.08	216.50
0.00	217.05	216.52
1.00	217.08	216.48
2.00	217.02	216.46
3.00	217.05	215.95
4.00	217.05	216.45
5.00	217.02	
6.00	217.00	
7.00	216.98	
8.00	216.96	
9.00	216.94	
10.00	216.92	
11.00	216.90	
12.00	216.87	
13.00	216.85	
14.00		

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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
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.
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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	52 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

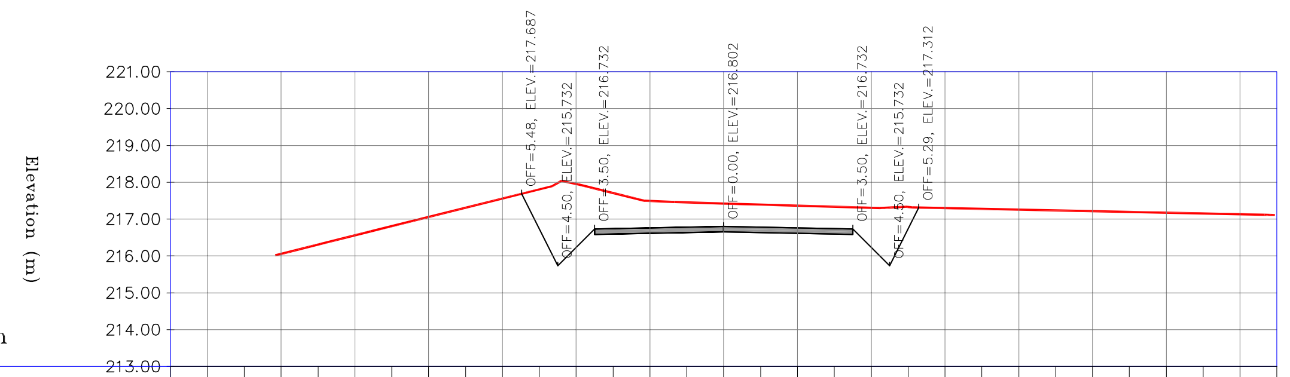
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

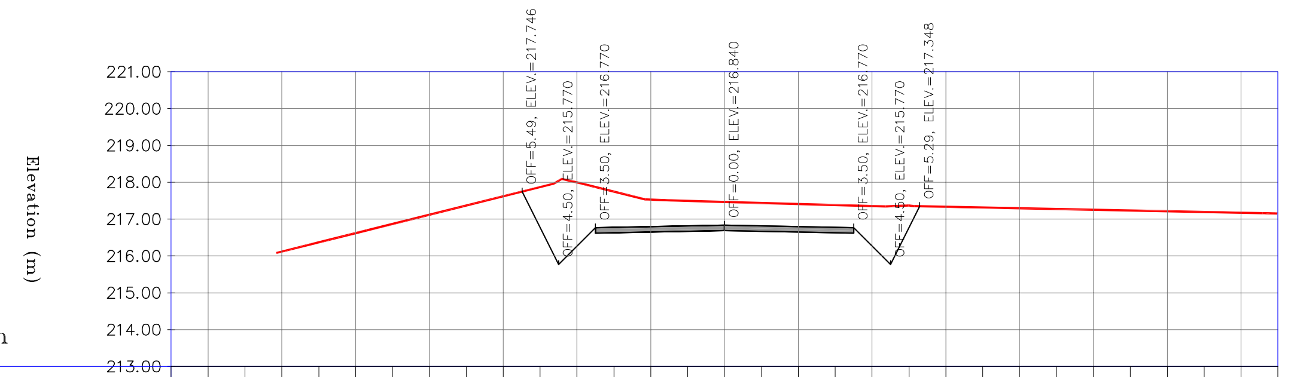
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	52	D02

1+410.00



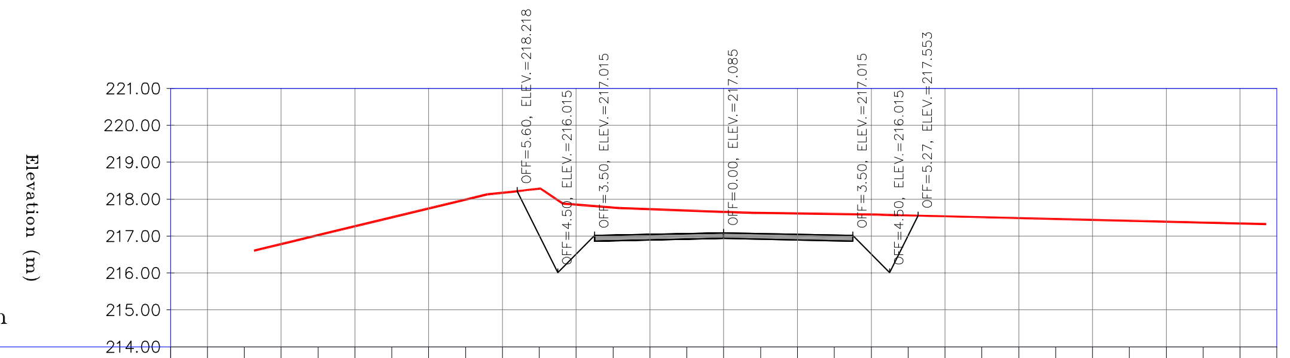
NATURAL GROUND ELEVATION			216.06	216.31	216.56	216.81	217.06	217.31	217.56	217.81	217.95	217.71	217.49	217.45	217.42	217.39	217.37	217.34	217.31	217.33	217.30	217.28	217.26	217.24	217.22	217.20	217.18	217.15	217.13
PROJECT ELEVATION										216.73	216.23	216.74	216.76	216.78	216.80	216.78	216.76	216.74	216.23	216.73									
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+411.33



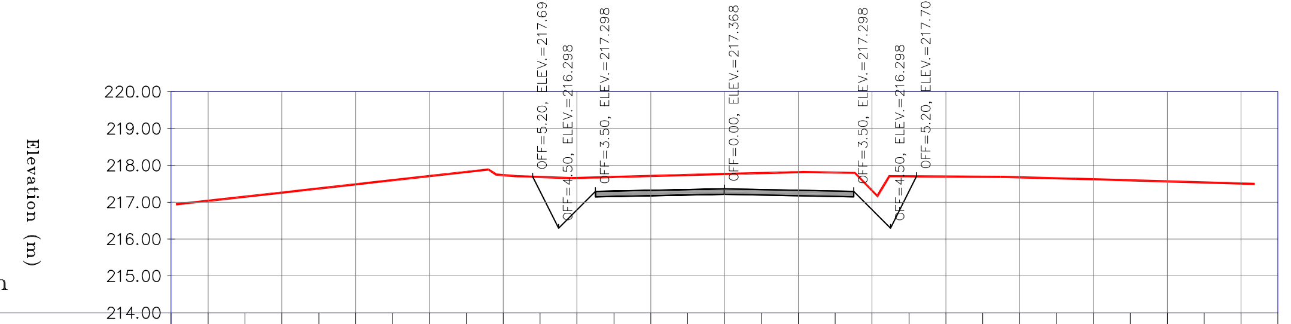
NATURAL GROUND ELEVATION			216.12	216.37	216.62	216.87	217.12	217.37	217.62	217.87	218.00	217.75	217.53	217.49	217.47	217.44	217.41	217.38	217.35	217.36	217.33	217.31	217.29	217.27	217.25	217.23	217.21	217.19	217.17
PROJECT ELEVATION										216.77	216.27	216.78	216.80	216.82	216.84	216.82	216.80	216.78	216.27	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+420.00



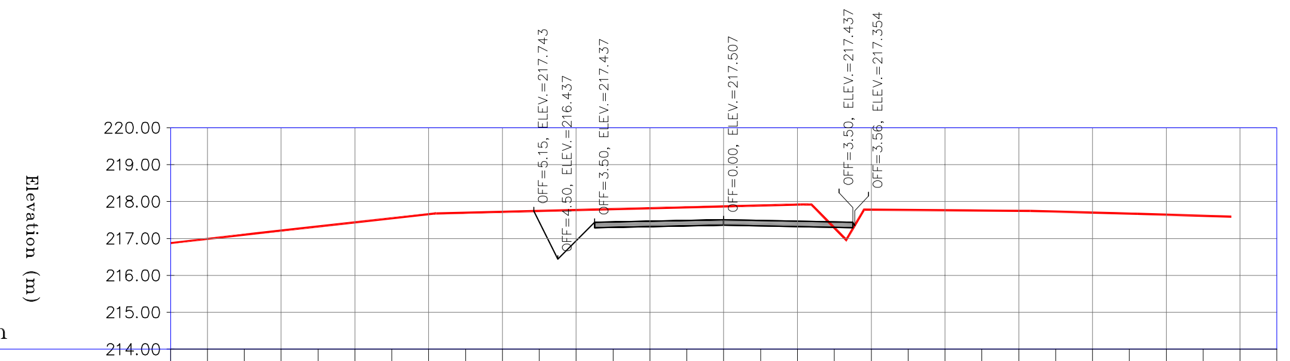
NATURAL GROUND ELEVATION			216.78	217.02	217.26	217.51	217.75	217.99	218.17	218.28	217.85	217.77	217.73	217.69	217.66	217.62	217.61	217.60	217.59	217.56	217.54	217.51	217.49	217.46	217.44	217.41	217.39	217.37	217.34
PROJECT ELEVATION										217.01	216.51	217.02	217.04	217.06	217.08	217.06	217.04	217.02	216.51	217.01									
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

1+430.00



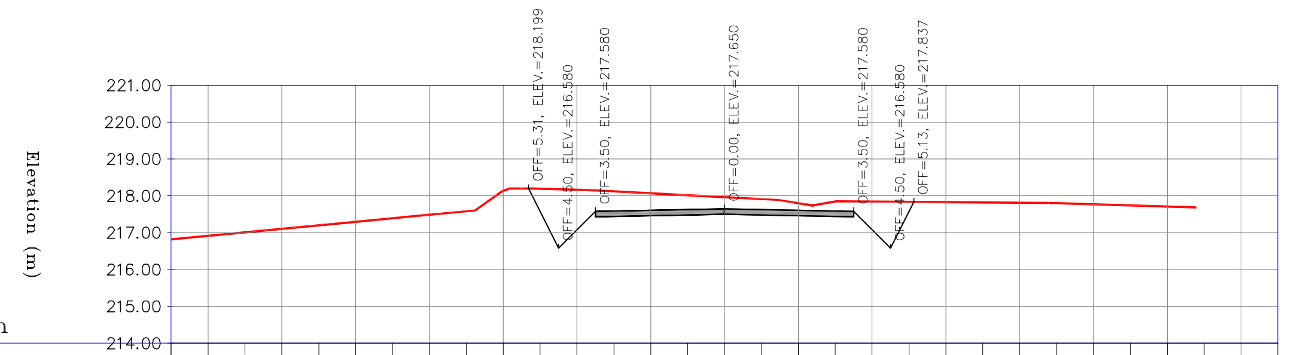
NATURAL GROUND ELEVATION	217.04	217.15	217.26	217.37	217.49	217.60	217.71	217.82	217.73	217.68	217.66	217.69	217.71	217.74	217.76	217.79	217.82	217.81	217.32	217.71	217.70	217.70	217.68	217.65	217.62	217.60	217.57	217.54	217.51
PROJECT ELEVATION										217.30	216.80	217.31	217.33	217.35	217.37	217.35	217.33	217.31	216.80	217.30									
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+434.95



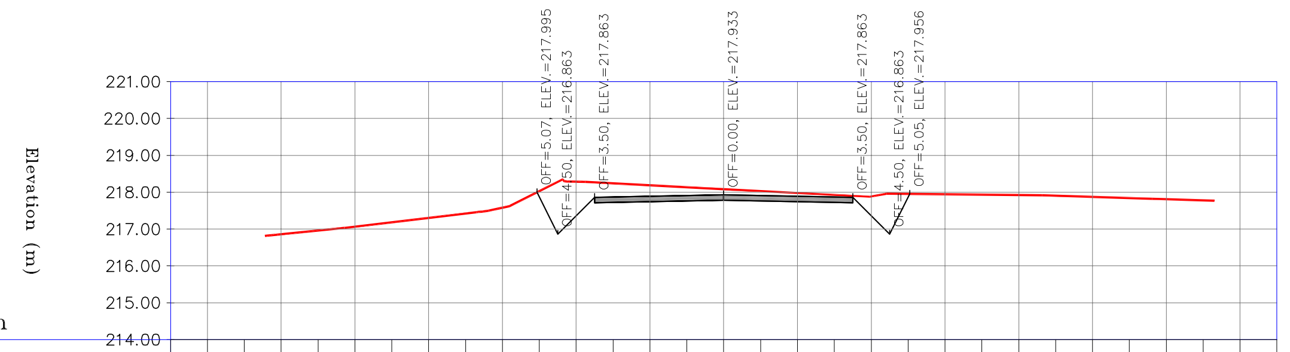
NATURAL GROUND ELEVATION	216.99	217.10	217.21	217.32	217.44	217.55	217.66	217.70	217.72	217.75	217.77	217.80	217.82	217.85	217.87	217.90	217.92	217.29	217.78	217.77	217.77	217.76	217.75	217.73	217.70	217.67	217.64	217.61	
PROJECT ELEVATION										217.44	216.94	217.45	217.47	217.49	217.51	217.49	217.47	217.45											
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+440.00



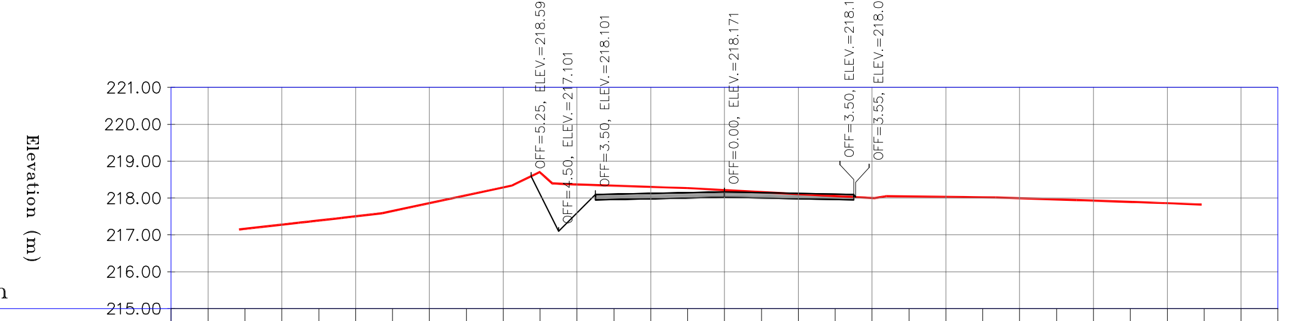
NATURAL GROUND ELEVATION	216.91	217.01	217.10	217.20	217.29	217.39	217.48	217.58	218.13	218.19	218.16	218.12	218.07	218.02	217.96	217.91	217.80	217.85	217.85	217.84	217.83	217.82	217.81	217.80	217.77	217.74	217.71		
PROJECT ELEVATION										217.58	217.08	217.59	217.61	217.63	217.65	217.63	217.61	217.59	217.08	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

1+450.00



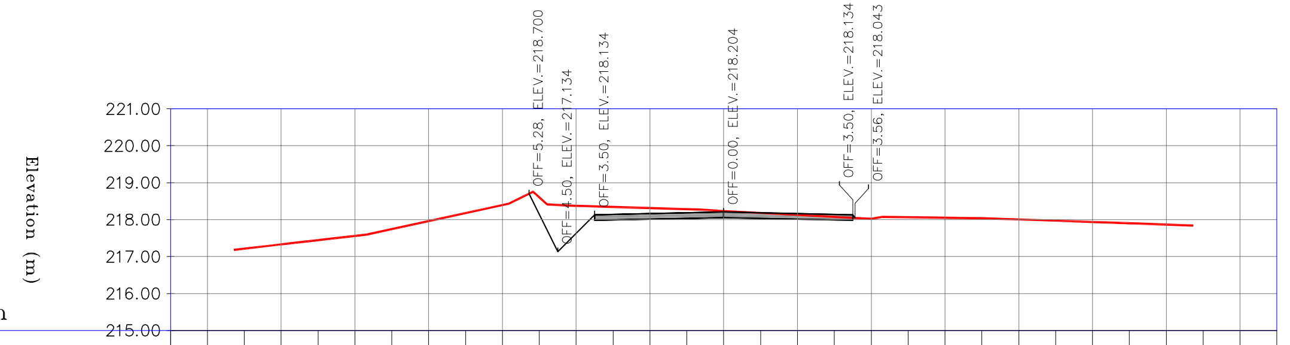
NATURAL GROUND ELEVATION			216.86	216.96	217.06	217.18	217.30	217.42	217.58	218.03	218.29	218.24	218.19	218.14	218.08	218.03	217.98	217.93	217.88	217.96	217.95	217.94	217.93	217.91	217.87	217.84	217.81	217.78	
PROJECT ELEVATION										217.86	217.36	217.87	217.89	217.91	217.93	217.91	217.89	217.87	217.36	217.86									
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+458.57



NATURAL GROUND ELEVATION		217.17	217.28	217.39	217.50	217.64	217.86	218.07	218.29	218.70	218.36	218.33	218.30	218.27	218.22	218.16	218.11	218.05	218.00	218.05	218.03	218.02	218.00	217.96	217.93	217.89	217.86		
PROJECT ELEVATION										218.10	217.60	218.11	218.13	218.15	218.17	218.15	218.13	218.11											
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+460.00



NATURAL GROUND ELEVATION		217.22	217.33	217.45	217.56	217.74	217.96	218.18	218.40	218.61	218.37	218.34	218.31	218.28	218.23	218.18	218.13	218.07	218.02	218.06	218.05	218.04	218.01	217.97	217.94	217.91	217.87		
PROJECT ELEVATION										218.13	217.63	218.14	218.16	218.18	218.20	218.18	218.16	218.14											
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
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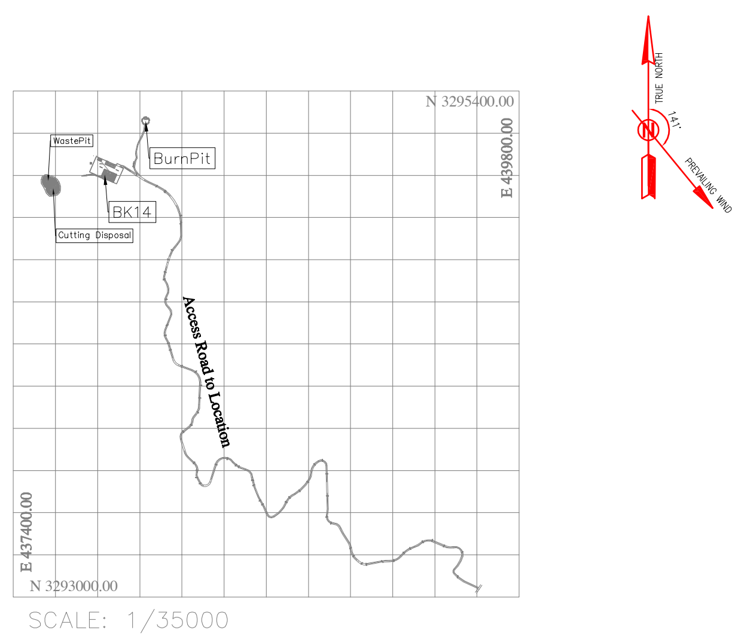
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

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.	

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

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

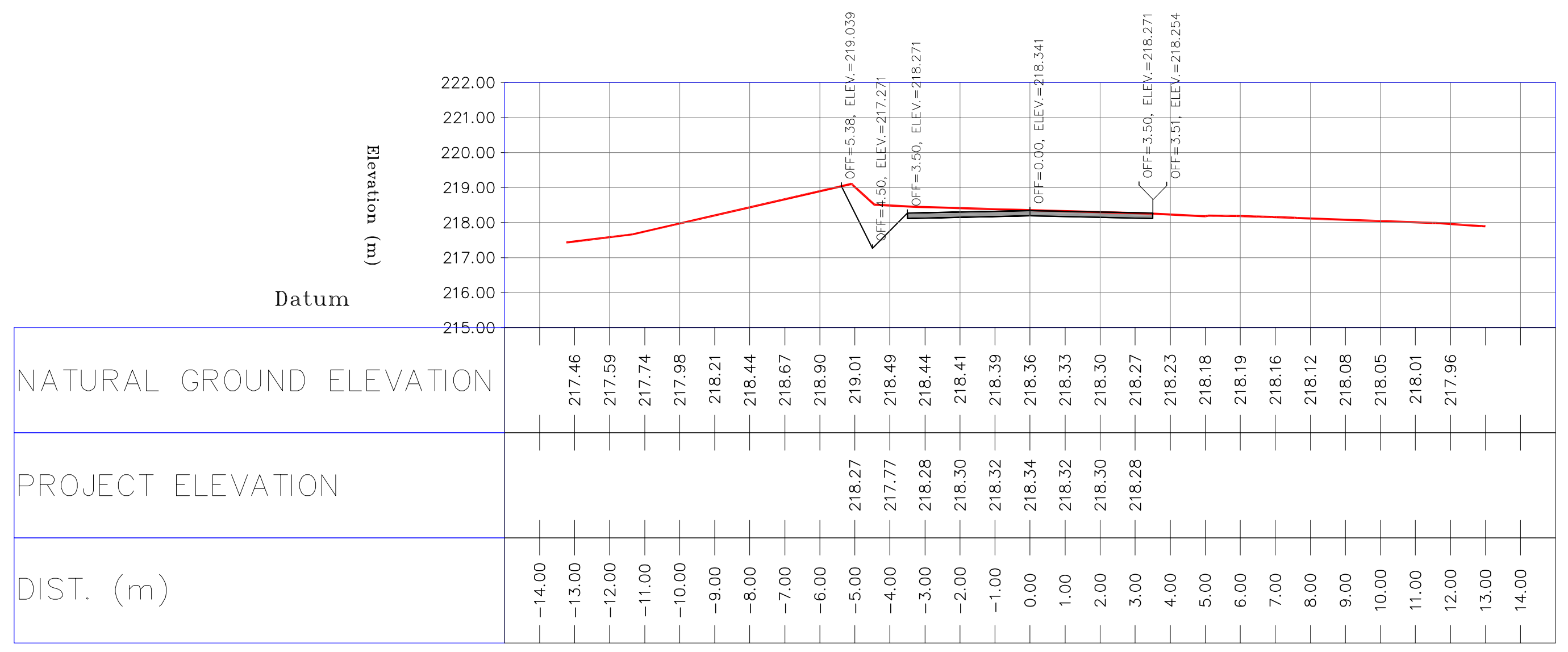
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

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

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	53 OF 103	D01	053-073-9184	F	4	S	708209	53	D02

1+470.00



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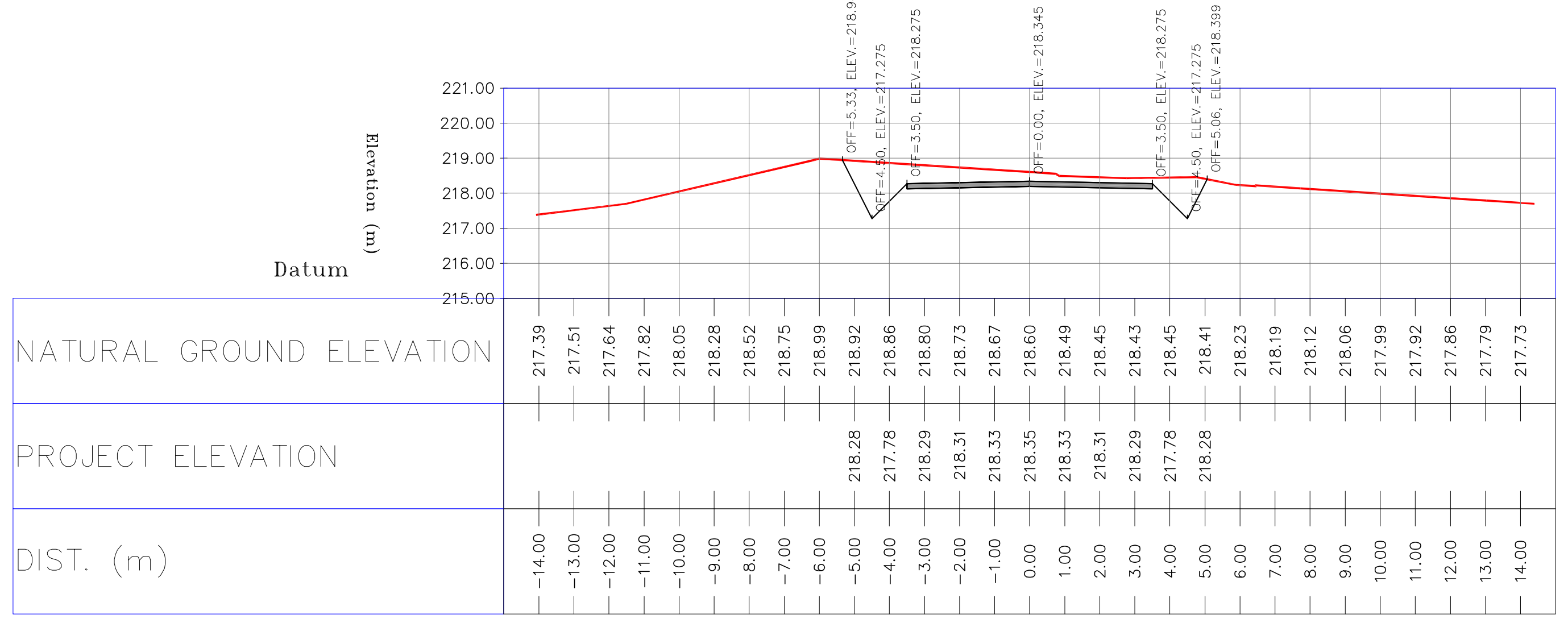

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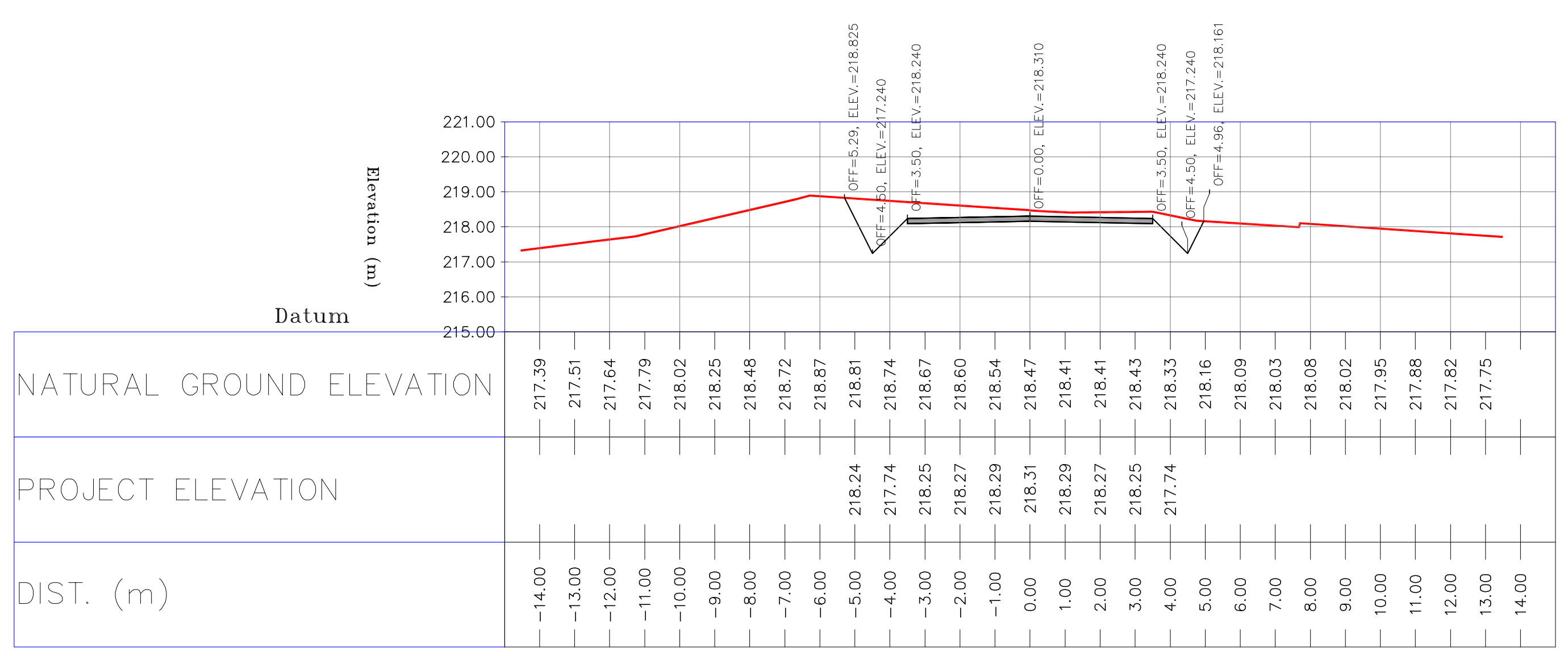
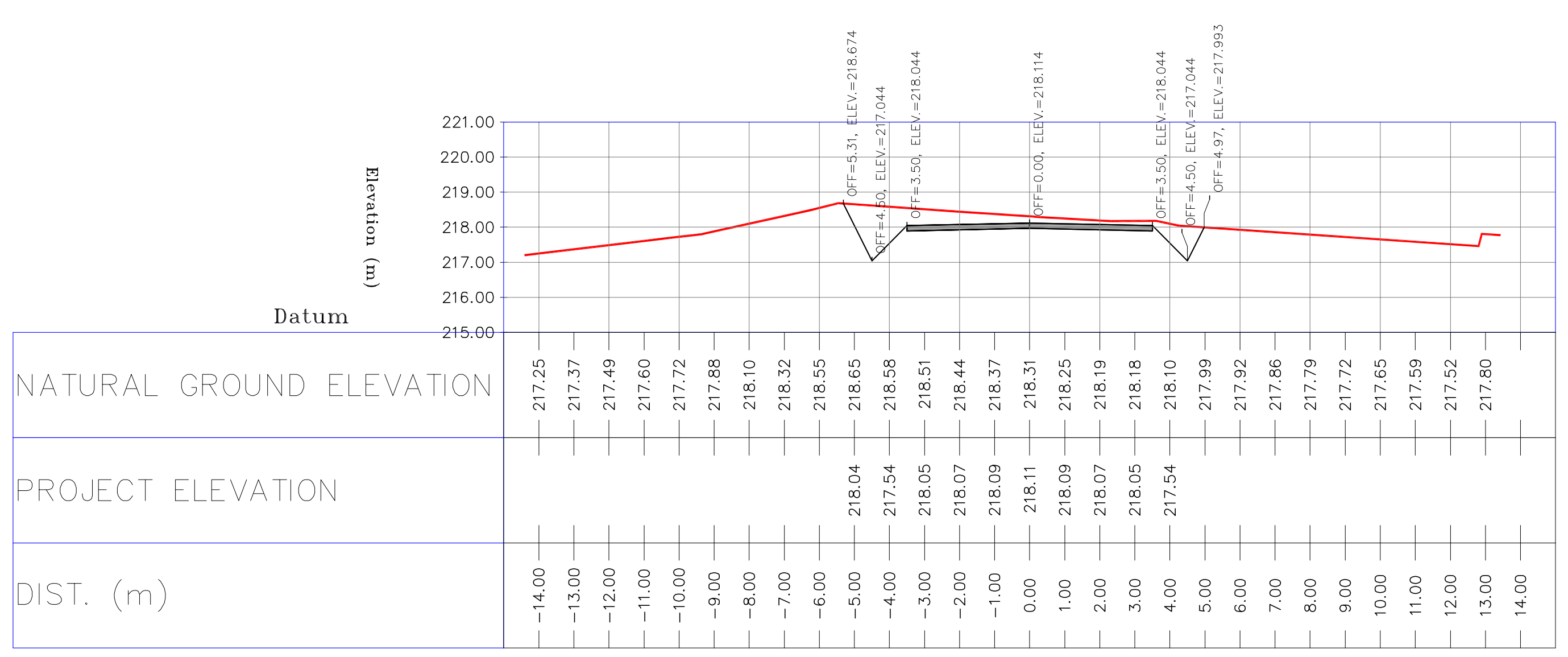
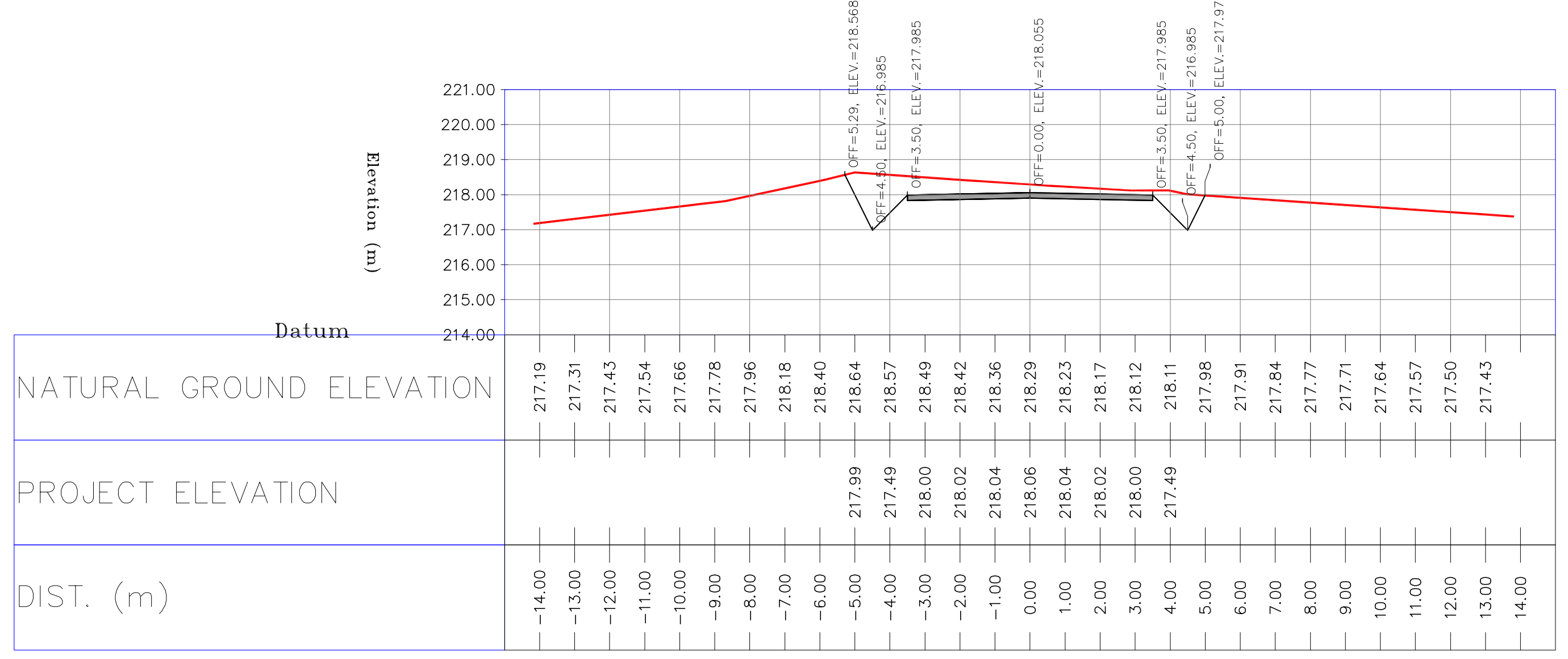


1+490.00



1+492.16



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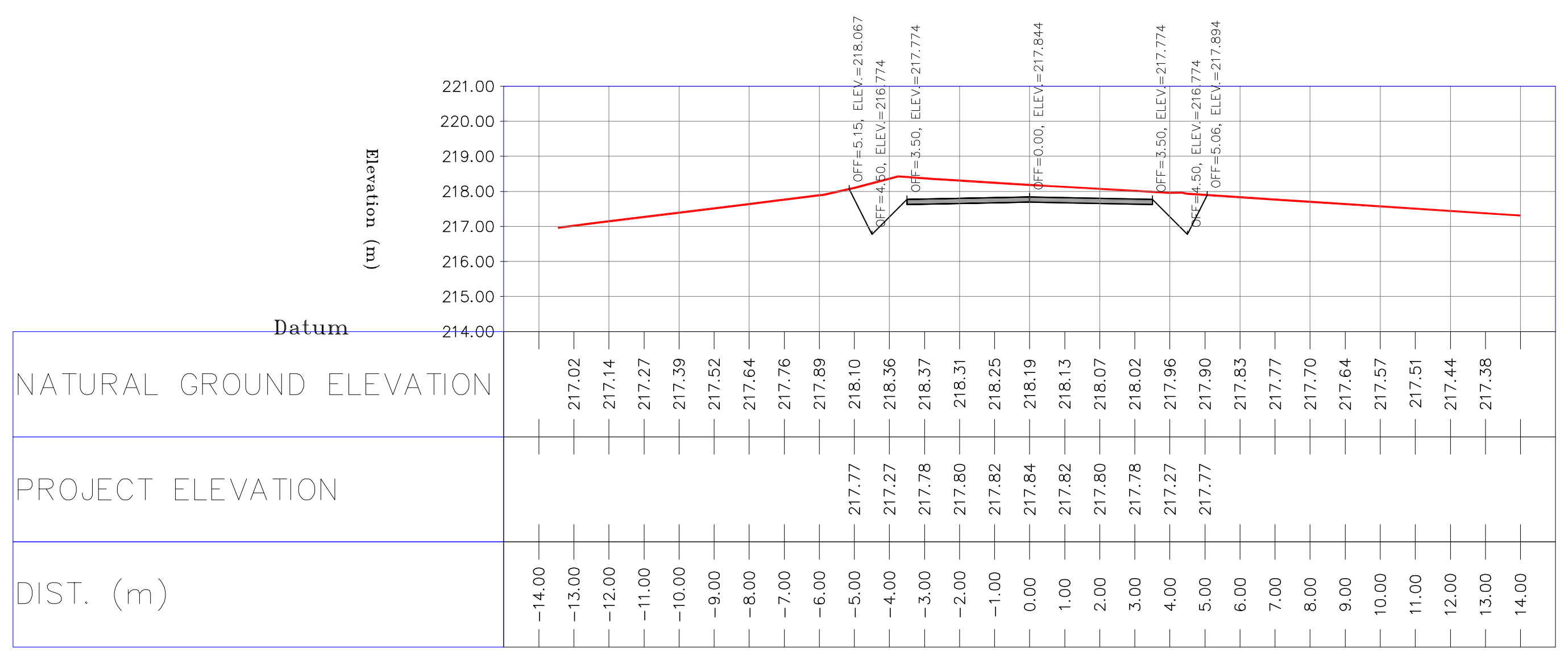

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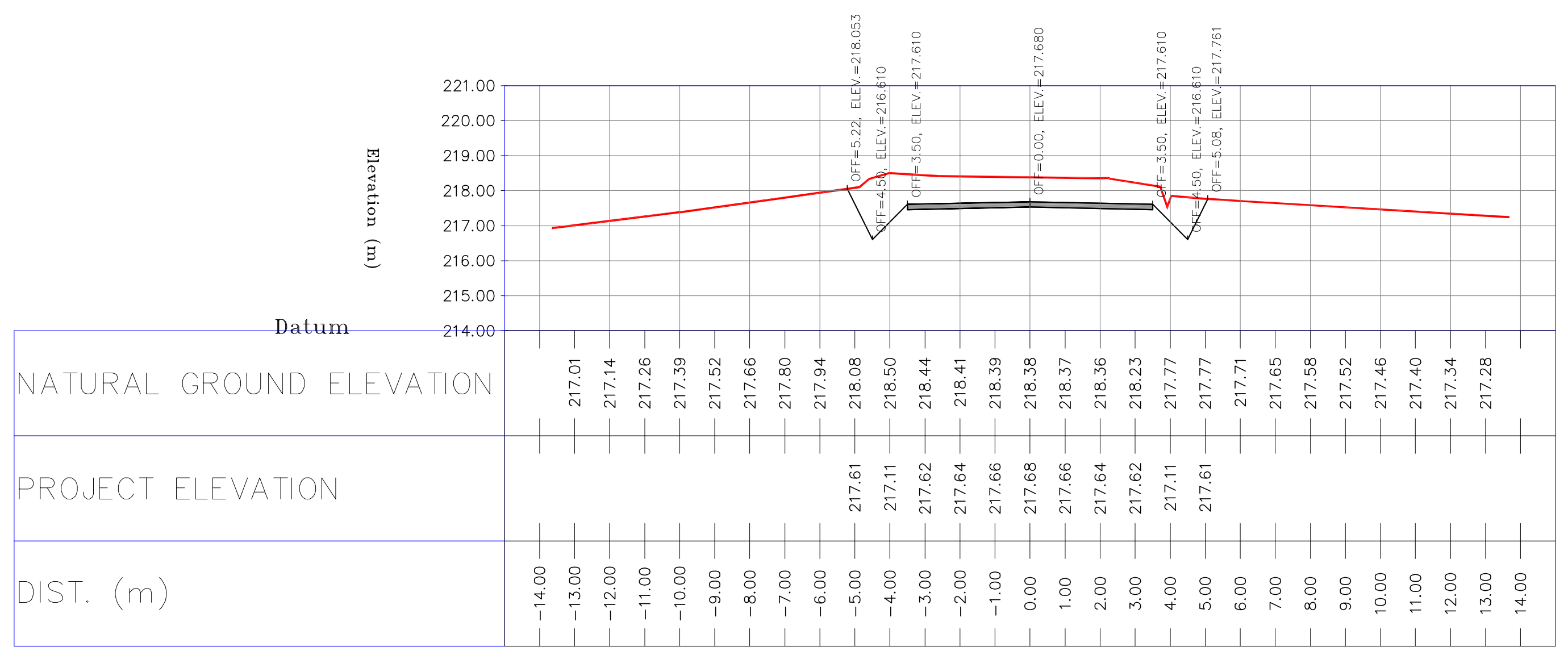
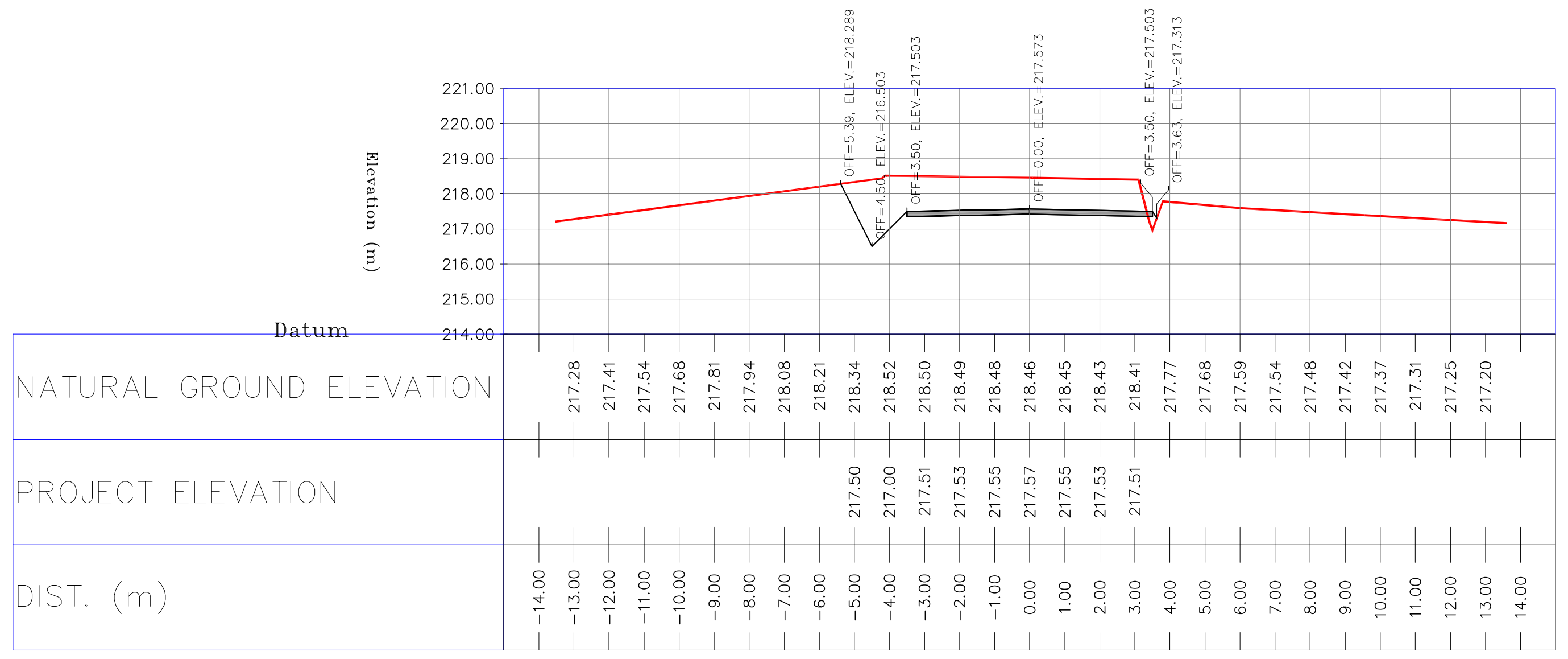


1+510.00



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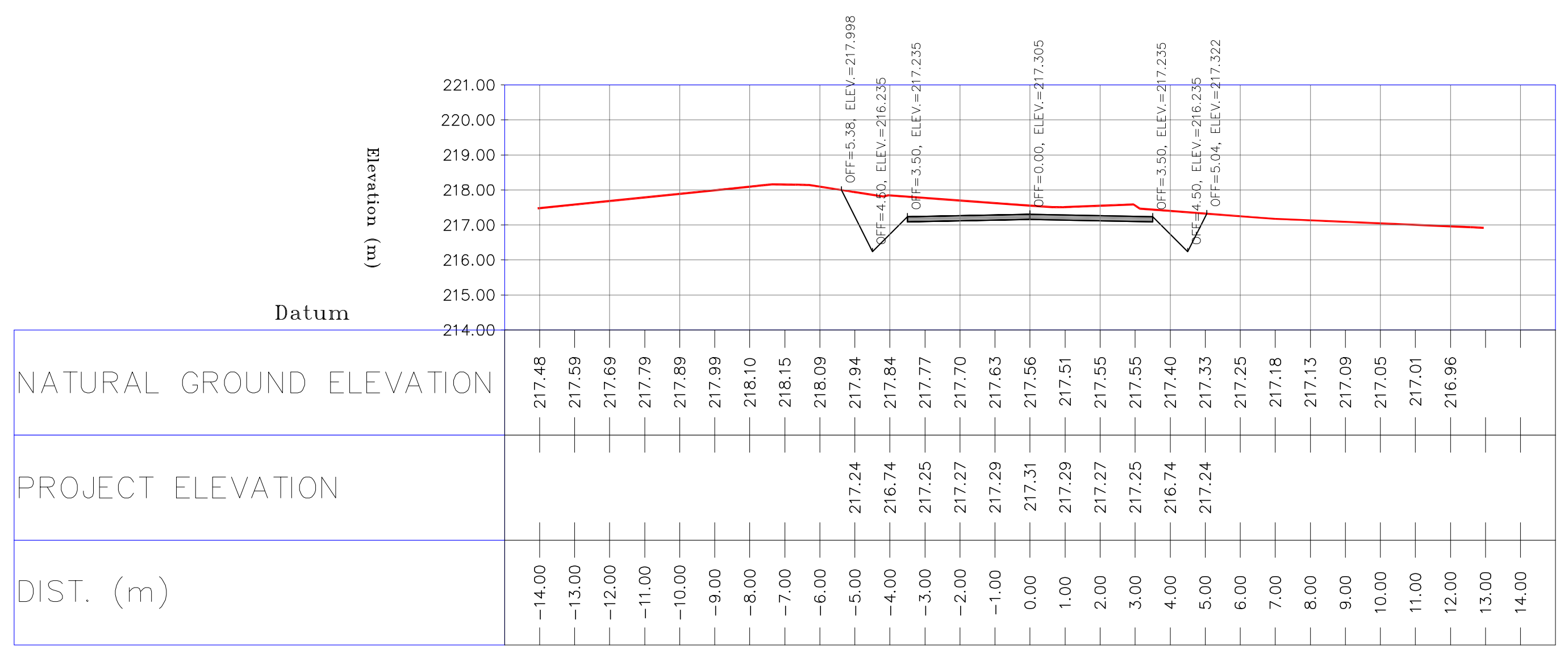
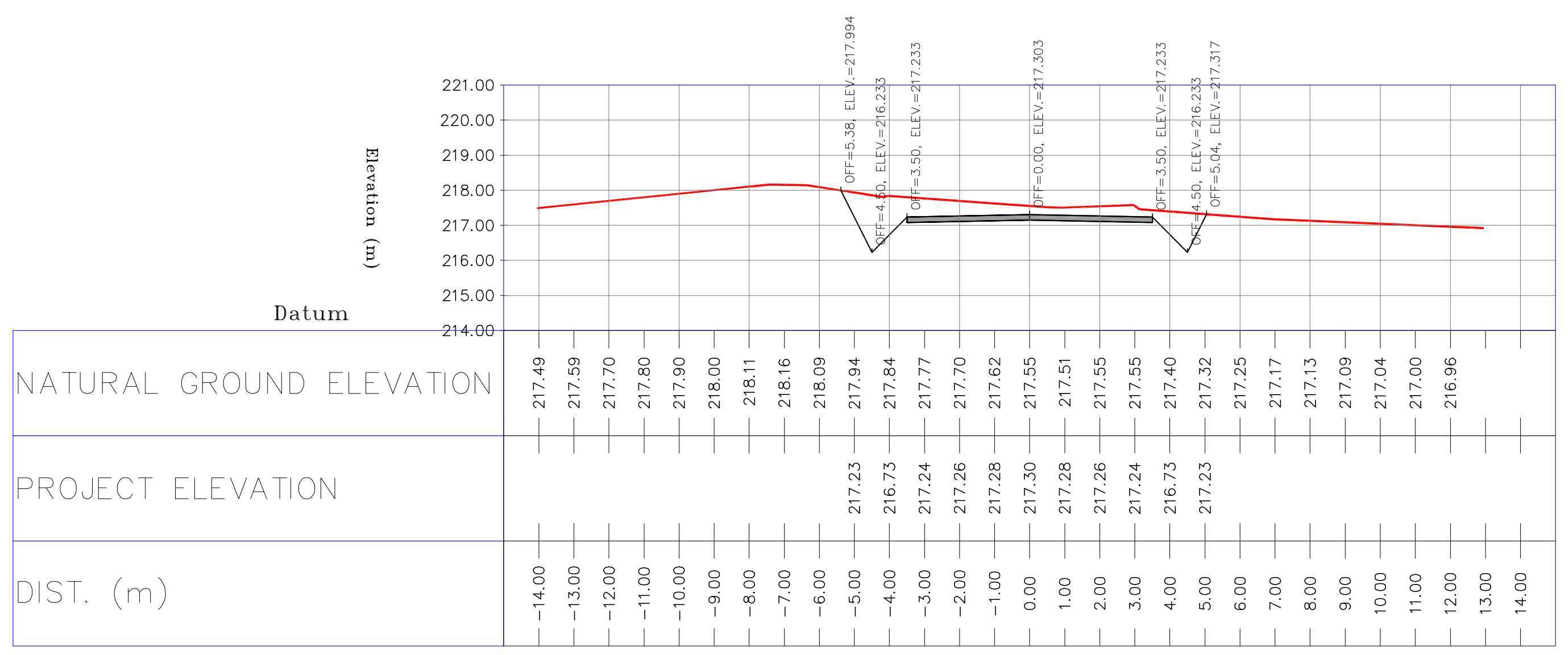


1+520.00



NOTES

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

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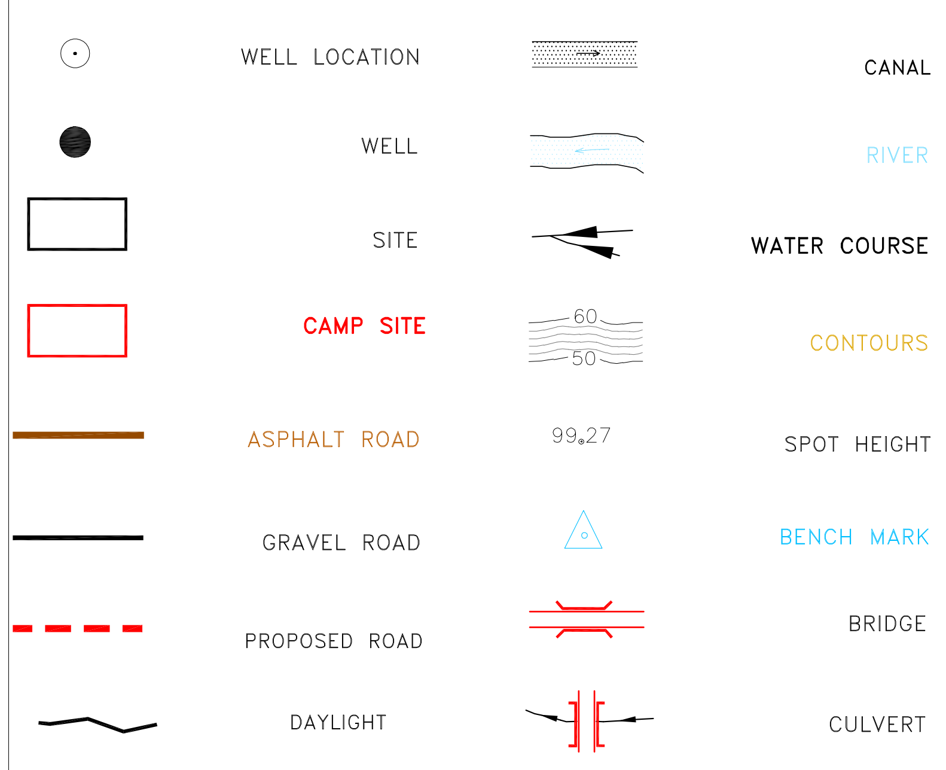
LEGEND



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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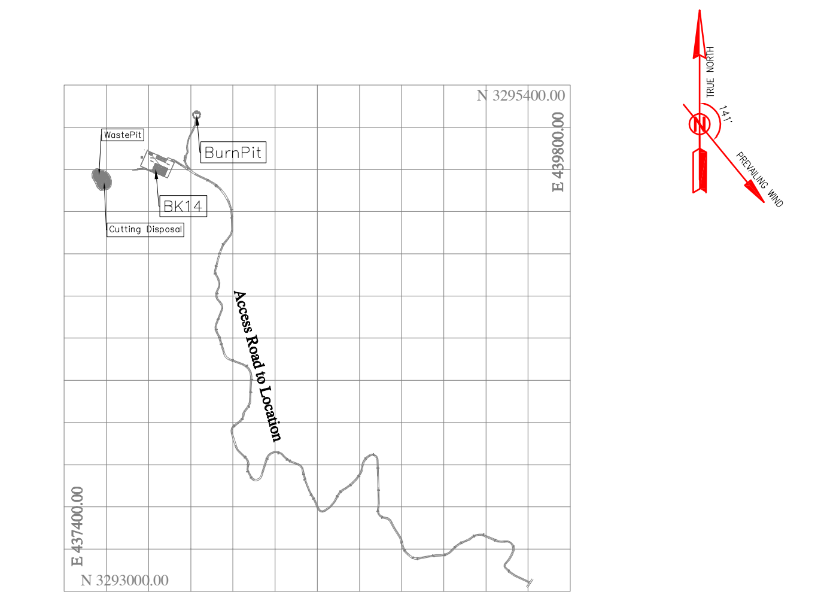
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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
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	54 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

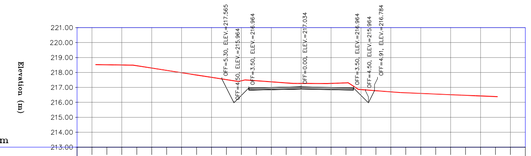
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

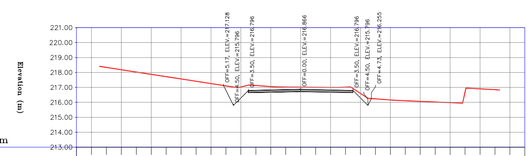
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	54	D02

1+530.00



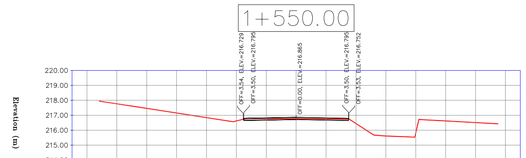
NATURAL GROUND ELEVATION	218.51	218.50	218.44	218.29	218.14	217.98	217.83	217.67	217.52	217.44	217.45	217.37	217.30	217.26	217.26	217.26	217.30	216.85	216.78	216.70	216.64	216.60	216.55	216.51	216.47	216.43	216.38
PROJECT ELEVATION										216.96	216.46	216.97	216.99	217.01	217.03	217.01	216.99	216.97	216.46								
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

1+540.00



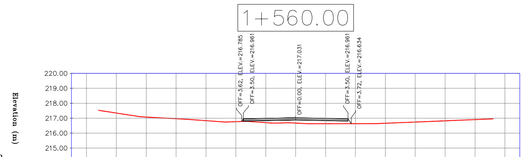
NATURAL GROUND ELEVATION	218.34	218.18	218.03	217.87	217.72	217.57	217.41	217.26	217.10	217.03	217.12	217.05	217.02	217.02	217.01	217.00	217.02	216.60	216.23	216.16	216.11	216.06	216.02	215.98	216.69	216.90	216.84
PROJECT ELEVATION									216.80	216.30	216.81	216.83	216.85	216.87	216.85	216.83	216.81	216.30									
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+550.00



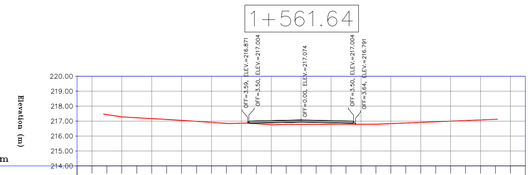
NATURAL GROUND ELEVATION	217.92	217.77	217.61	217.46	217.30	217.15	216.99	216.84	216.69	216.62	216.80	216.78	216.78	216.77	216.76	216.76	216.75	216.45	215.81	215.62	215.57	215.80	215.68	216.62	216.57	216.51	216.46
PROJECT ELEVATION											216.81	216.83	216.85	216.87	216.85	216.83	216.81										
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



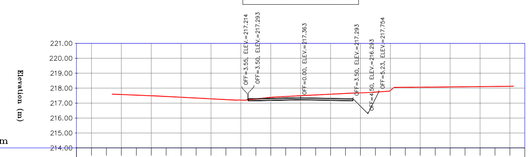
NATURAL GROUND ELEVATION	217.50	217.35	217.19	217.08	216.97	216.91	216.84	216.77	216.77	216.78	216.71	216.68	216.67	216.63	216.63	216.63	216.63	216.64	216.66	216.70	216.74	216.78	216.83	216.87	216.91	216.95	
PROJECT ELEVATION										216.97	216.99	217.01	217.03	217.01	216.99	216.97											
DIST. (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



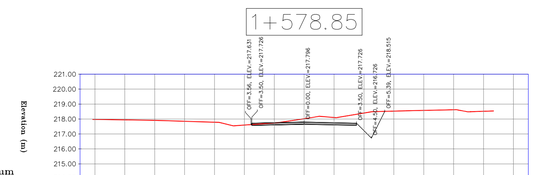
NATURAL GROUND ELEVATION	217.44	217.28	217.22	217.16	217.11	217.05	216.98	216.91	216.85	216.83	216.76	216.79	216.79	216.79	216.79	216.79	216.79	216.83	216.87	216.91	216.95	217.00	217.04	217.08	217.12		
PROJECT ELEVATION											217.01	217.03	217.05	217.07	217.05	217.03	217.01										
DIST. (m)	-14.00	-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



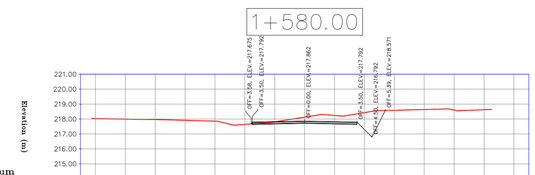
NATURAL GROUND ELEVATION	217.57	217.53	217.49	217.44	217.39	217.34	217.29	217.23	217.20	217.28	217.39	217.44	217.49	217.55	217.60	217.65	217.74	217.84	218.05	218.06	218.07	218.09	218.10	218.11	218.12	218.13	
PROJECT ELEVATION										217.30	217.32	217.34	217.36	217.34	217.32	217.30	216.79	217.29									
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+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	218.55	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	217.23	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+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	217.29	217.79							
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

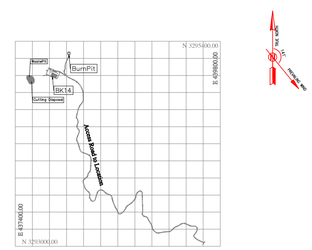
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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
ACCESS ROAD TRANSVERSAL SECTIONS

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

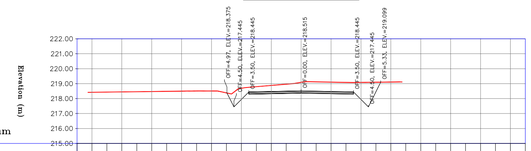
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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	55 OF 103	D01

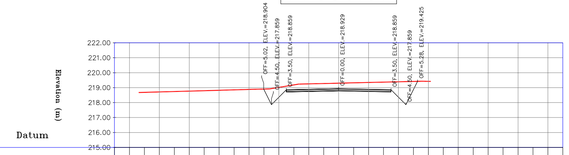
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	55	D02

1+590.00



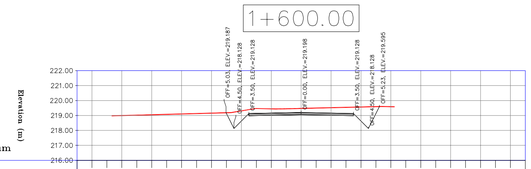
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	218.42	
-13.00	218.43	
-12.00	218.45	
-11.00	218.46	
-10.00	218.47	
-9.00	218.48	
-8.00	218.49	
-7.00	218.51	
-6.00	218.51	
-5.00	218.38	
-4.00	218.69	217.94
-3.00	218.80	218.45
-2.00	218.80	218.47
-1.00	218.97	218.49
0.00	219.09	218.51
1.00	219.12	218.49
2.00	219.10	218.47
3.00	219.08	218.45
4.00	219.08	217.94
5.00	219.09	218.44
6.00	219.11	
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

1+596.07



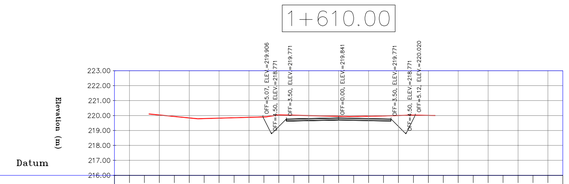
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	218.68	
-13.00	218.71	
-12.00	218.74	
-11.00	218.77	
-10.00	218.79	
-9.00	218.82	
-8.00	218.85	
-7.00	218.88	
-6.00	218.90	
-5.00	219.02	218.86
-4.00	219.18	218.56
-3.00	219.25	218.87
-2.00	219.28	218.89
-1.00	219.30	218.91
0.00	219.30	218.93
1.00	219.32	218.91
2.00	219.33	218.89
3.00	219.37	218.87
4.00	219.39	218.56
5.00	219.42	218.86
6.00	219.42	
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

1+600.00



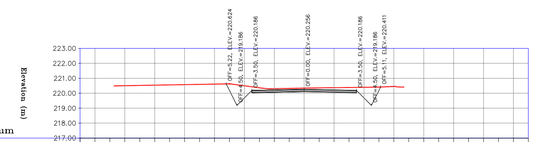
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	218.99	
-13.00	219.02	
-12.00	219.05	
-11.00	219.08	
-10.00	219.10	
-9.00	219.13	
-8.00	219.16	
-7.00	219.19	
-6.00	219.19	
-5.00	219.31	219.13
-4.00	219.47	218.63
-3.00	219.44	219.14
-2.00	219.45	219.16
-1.00	219.47	219.18
0.00	219.49	219.20
1.00	219.52	219.18
2.00	219.54	219.16
3.00	219.54	219.14
4.00	219.57	218.63
5.00	219.59	219.13
6.00	219.59	
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

1+610.00



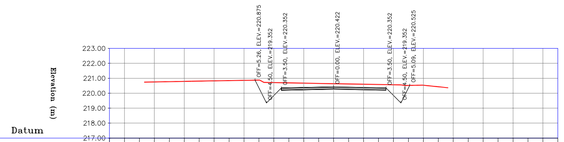
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	220.03	
-13.00	219.94	
-12.00	219.84	
-11.00	219.80	
-10.00	219.82	
-9.00	219.85	
-8.00	219.88	
-7.00	219.91	
-6.00	220.05	
-5.00	219.77	219.77
-4.00	219.27	219.27
-3.00	219.78	220.02
-2.00	219.80	220.00
-1.00	219.82	219.98
0.00	219.84	219.95
1.00	219.82	219.94
2.00	219.80	219.96
3.00	219.78	219.98
4.00	219.27	220.00
5.00	219.77	220.02
6.00		220.00
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

1+620.00



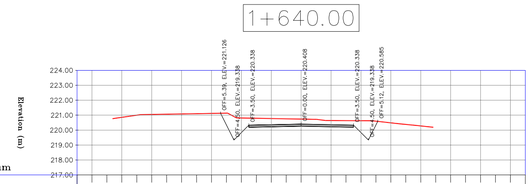
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	220.50	
-13.00	220.52	
-12.00	220.54	
-11.00	220.56	
-10.00	220.57	
-9.00	220.59	
-8.00	220.61	
-7.00	220.63	
-6.00	220.63	
-5.00	220.50	220.19
-4.00	220.50	219.69
-3.00	220.36	220.20
-2.00	220.30	220.22
-1.00	220.32	220.24
0.00	220.34	220.26
1.00	220.35	220.24
2.00	220.37	220.22
3.00	220.38	220.20
4.00	220.39	219.69
5.00	220.41	220.19
6.00	220.45	
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

1+630.00



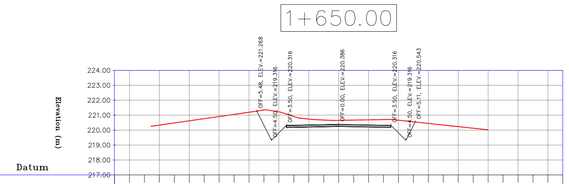
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	220.76	
-13.00	220.77	
-12.00	220.79	
-11.00	220.81	
-10.00	220.83	
-9.00	220.84	
-8.00	220.86	
-7.00	220.88	
-6.00	220.88	
-5.00	220.71	220.35
-4.00	220.69	219.85
-3.00	220.68	220.36
-2.00	220.66	220.38
-1.00	220.64	220.40
0.00	220.62	220.42
1.00	220.60	220.40
2.00	220.59	220.38
3.00	220.57	220.36
4.00	220.52	219.85
5.00	220.53	220.35
6.00	220.43	
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

1+640.00



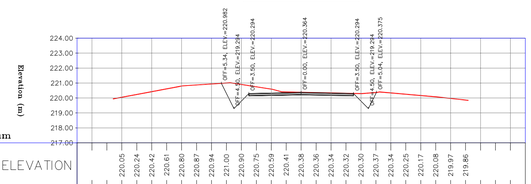
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	220.85	
-13.00	221.00	
-12.00	221.04	
-11.00	221.06	
-10.00	221.08	
-9.00	221.10	
-8.00	221.11	
-7.00	221.11	
-6.00	221.13	
-5.00	220.81	220.34
-4.00	220.79	219.84
-3.00	220.78	220.35
-2.00	220.76	220.37
-1.00	220.74	220.39
0.00	220.72	220.41
1.00	220.64	220.39
2.00	220.64	220.37
3.00	220.63	220.35
4.00	220.60	219.84
5.00	220.49	220.34
6.00	220.38	
7.00	220.28	
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

1+650.00



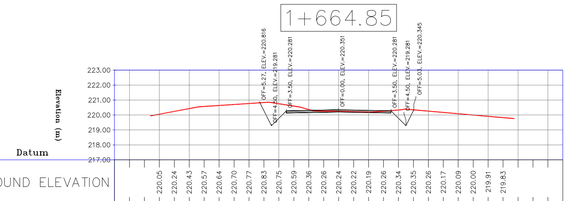
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	220.34	
-13.00	220.48	
-12.00	220.62	
-11.00	220.77	
-10.00	220.91	
-9.00	221.05	
-8.00	221.20	
-7.00	221.36	
-6.00	221.23	
-5.00	220.91	220.32
-4.00	220.74	219.82
-3.00	220.67	220.33
-2.00	220.67	220.35
-1.00	220.67	220.37
0.00	220.67	220.39
1.00	220.69	220.37
2.00	220.71	220.35
3.00	220.66	220.33
4.00	220.56	219.82
5.00	220.45	220.32
6.00	220.34	
7.00	220.23	
8.00	220.13	
9.00	220.02	
10.00		
11.00		
12.00		
13.00		
14.00		

1+660.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	220.05	
-13.00	220.24	
-12.00	220.42	
-11.00	220.61	
-10.00	220.80	
-9.00	220.87	
-8.00	220.94	
-7.00	221.00	
-6.00	220.90	
-5.00	220.75	220.29
-4.00	219.79	219.79
-3.00	220.59	220.30
-2.00	220.41	220.32
-1.00	220.38	220.34
0.00	220.36	220.36
1.00	220.34	220.34
2.00	220.32	220.32
3.00	220.30	220.30
4.00	220.37	219.79
5.00	220.34	220.29
6.00	220.25	
7.00	220.17	
8.00	220.08	
9.00	219.97	
10.00	219.86	
11.00		
12.00		
13.00		
14.00		

1+664.85



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	220.05	
-13.00	220.24	
-12.00	220.43	
-11.00	220.57	
-10.00	220.64	
-9.00	220.70	
-8.00	220.77	
-7.00	220.83	
-6.00	220.75	
-5.00	220.28	220.35
-4.00	219.78	219.85
-3.00	220.59	220.36
-2.00	220.35	220.38
-1.00	220.26	220.40
0.00	220.24	220.42
1.00	220.22	220.40
2.00	220.19	220.38
3.00	220.26	220.36
4.00	220.34	219.85
5.00	220.35	220.35
6.00	220.26	
7.00	220.17	
8.00	220.09	
9.00	220.00	
10.00	219.91	
11.00	219.83	
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

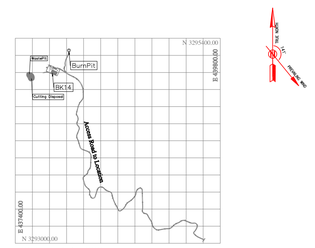
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60, 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT

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.
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 TRANSVERSAL SECTIONS

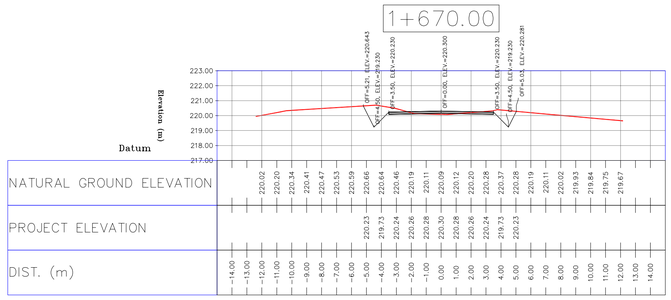
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	56 OF 103	D01

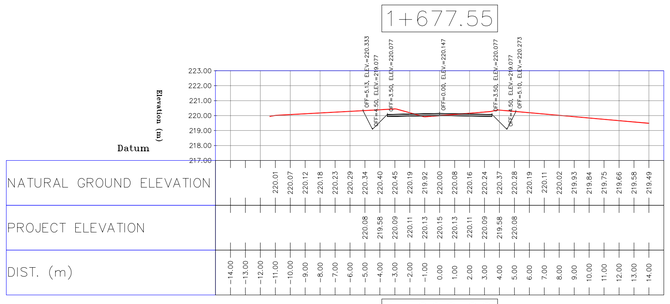
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

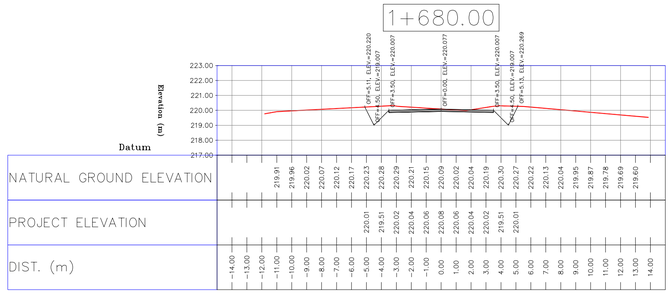
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

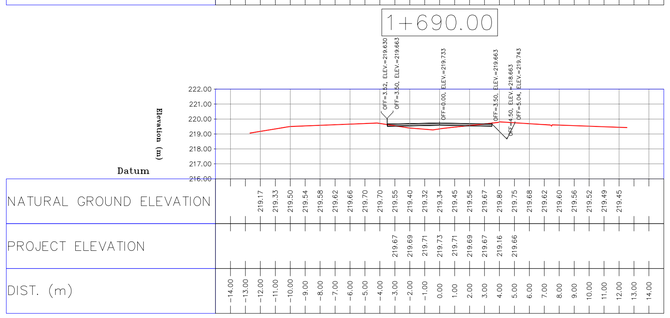
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:

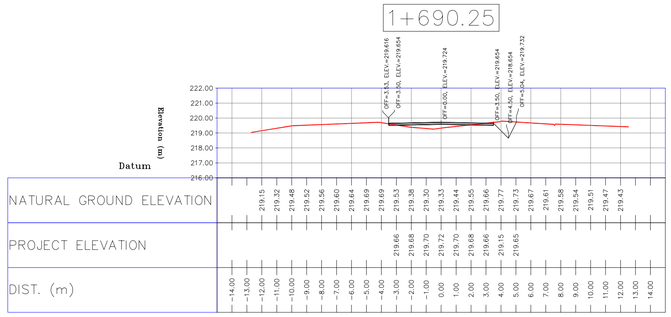
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	56	D02

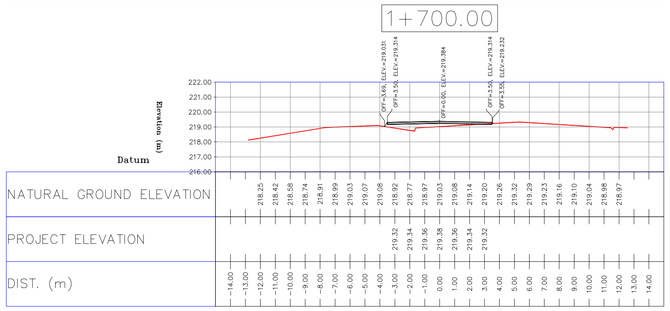


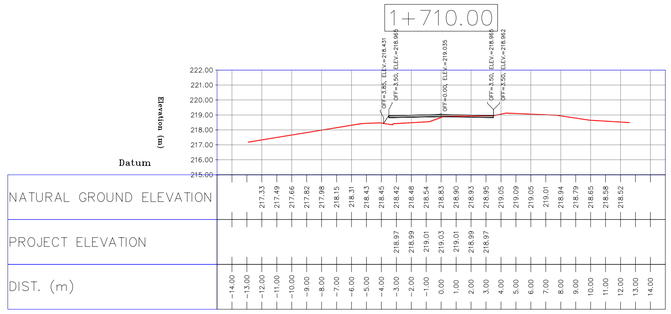


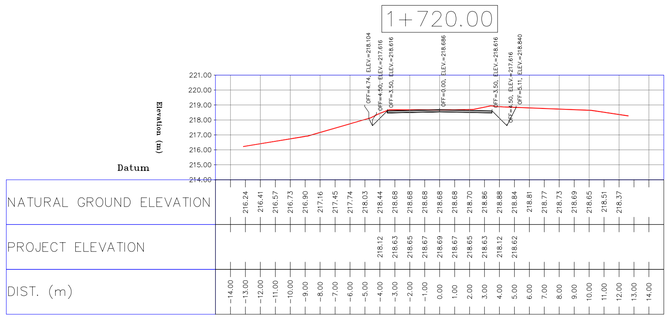


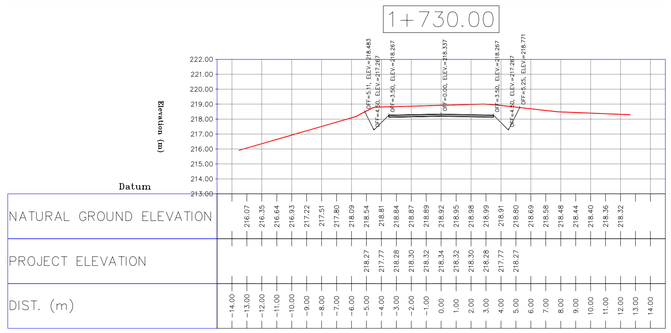


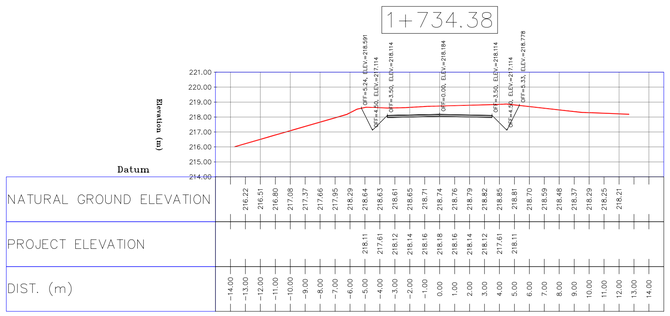












NOTES

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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".
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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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BVCE= BEGIN OF VERTICAL CURVE ELEVATION
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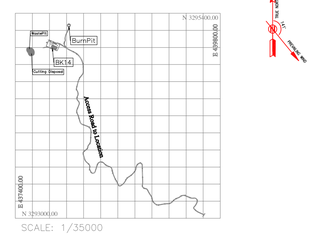
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 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	57 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

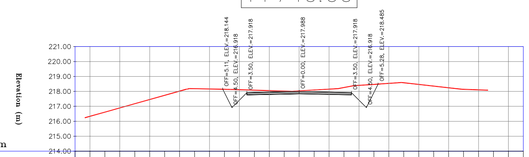
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

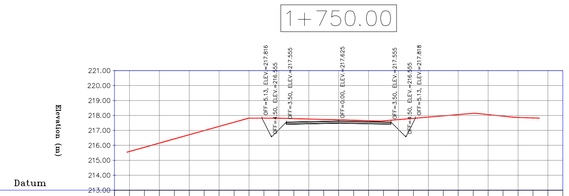
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	57	D02

1+740.00



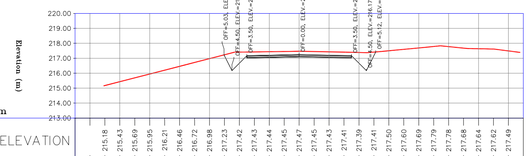
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	216.33	
-13.00	216.61	
-12.00	216.89	
-11.00	217.18	
-10.00	217.46	
-9.00	217.74	
-8.00	218.02	
-7.00	218.18	
-6.00	218.16	
-5.00	218.14	217.92
-4.00	218.11	217.42
-3.00	218.08	217.93
-2.00	218.05	217.95
-1.00	218.02	217.97
0.00	218.04	217.99
1.00	218.09	217.97
2.00	218.15	217.95
3.00	218.26	217.93
4.00	218.40	217.42
5.00	218.47	217.92
6.00	218.53	
7.00	218.57	
8.00	218.46	
9.00	218.35	
10.00	218.24	
11.00	218.14	
12.00	218.10	
13.00		
14.00		

1+750.00



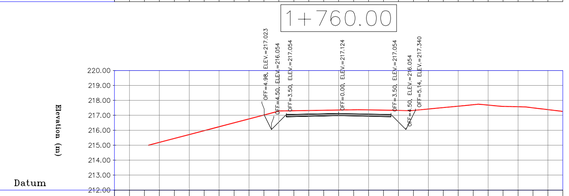
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.59	
-13.00	215.87	
-12.00	216.15	
-11.00	216.43	
-10.00	216.71	
-9.00	216.99	
-8.00	217.27	
-7.00	217.55	
-6.00	217.82	
-5.00	217.81	217.55
-4.00	217.81	217.05
-3.00	217.79	217.56
-2.00	217.76	217.58
-1.00	217.74	217.60
0.00	217.71	217.62
1.00	217.68	217.60
2.00	217.65	217.58
3.00	217.64	217.56
4.00	217.72	217.05
5.00	217.81	217.55
6.00	217.89	
7.00	217.97	
8.00	218.06	
9.00	218.14	
10.00	218.06	
11.00	217.95	
12.00	217.86	
13.00	217.84	
14.00		

1+757.88



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.18	
-13.00	215.43	
-12.00	215.69	
-11.00	215.95	
-10.00	216.21	
-9.00	216.46	
-8.00	216.72	
-7.00	216.98	
-6.00	217.23	
-5.00	217.42	217.17
-4.00	217.42	216.67
-3.00	217.43	217.18
-2.00	217.44	217.20
-1.00	217.45	217.22
0.00	217.47	217.24
1.00	217.45	217.22
2.00	217.45	217.20
3.00	217.41	217.18
4.00	217.39	216.67
5.00	217.41	217.17
6.00	217.50	
7.00	217.60	
8.00	217.69	
9.00	217.79	
10.00	217.78	
11.00	217.68	
12.00	217.64	
13.00	217.62	
14.00	217.49	

1+760.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.19	
-13.00	215.45	
-12.00	215.71	
-11.00	215.97	
-10.00	216.23	
-9.00	216.50	
-8.00	216.76	
-7.00	217.02	
-6.00	217.28	
-5.00	216.55	
-4.00	217.31	
-3.00	217.32	
-2.00	217.34	
-1.00	217.36	
0.00	217.37	
1.00	217.36	
2.00	217.35	
3.00	217.33	
4.00	217.33	
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6.00	217.52	
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8.00	217.71	
9.00	217.68	
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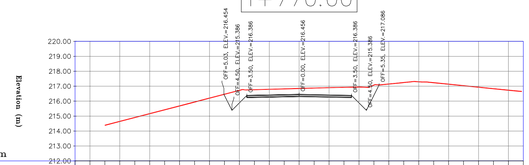
12.00	217.50	
13.00	217.38	
14.00		

1+770.00

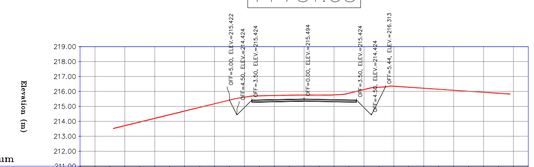


DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	214.38	
-13.00	214.64	
-12.00	214.90	
-11.00	215.16	
-10.00	215.42	
-9.00	215.68	
-8.00	215.94	
-7.00	216.20	
-6.00	216.46	
-5.00	216.72	
-4.00	216.98	216.39
-3.00	216.79	216.40
-2.00	216.82	216.42
-1.00	216.85	216.44
0.00	216.88	216.46
1.00	216.90	216.44
2.00	216.92	216.42
3.00	216.94	216.40
4.00	217.08	215.89
5.00	217.15	216.39
6.00	217.25	
7.00	217.29	
8.00	217.24	
9.00	217.14	
10.00	217.04	
11.00	216.94	
12.00	216.84	
13.00	216.74	
14.00		

1+780.00

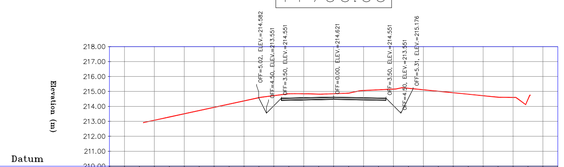
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	213.87	
-13.00	214.11	
-12.00	214.35	
-11.00	214.59	
-10.00	214.83	
-9.00	215.07	
-8.00	215.32	
-7.00	215.56	
-6.00	215.77	
-5.00	215.88	
-4.00	215.88	215.55
-3.00	215.90	215.05
-2.00	215.91	215.56
-1.00	215.91	215.58
0.00	215.91	215.60
1.00	215.91	215.62
2.00	215.91	215.60
3.00	215.94	215.58
4.00	216.17	215.56
5.00	216.40	215.05
6.00	216.49	215.55
7.00	216.43	
8.00	216.36	
9.00	216.29	
10.00	216.22	
11.00	216.15	
12.00	216.07	
13.00	216.00	
14.00		

1+781.38



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

1+790.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	213.07	
-13.00	213.29	
-12.00	213.50	
-11.00	213.72	
-10.00	213.94	
-9.00	214.15	
-8.00	214.37	
-7.00	214.59	
-6.00	214.72	
-5.00	214.55	
-4.00	214.05	
-3.00	214.56	
-2.00	214.85	
-1.00	214.58	
0.00	214.84	
1.00	214.82	
2.00	214.85	
3.00	214.88	
4.00	215.06	
5.00	215.11	
6.00	215.16	
7.00	215.21	
8.00	215.11	
9.00	215.01	
10.00	214.91	
11.00	214.82	
12.00	214.72	
13.00	214.62	
14.00	214.60	
	214.47	

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

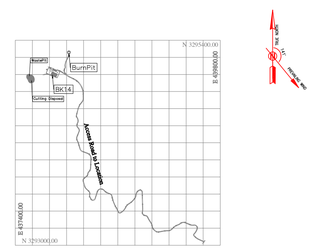
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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. BY	REV. 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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	58 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

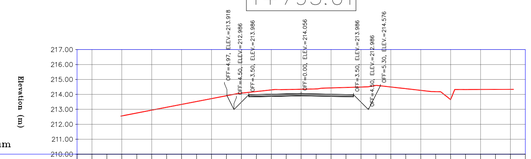
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

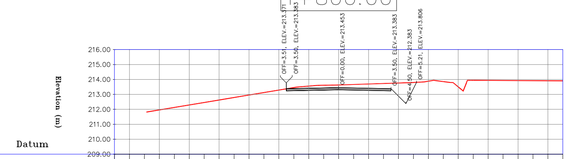
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	58	D02

1+795.01



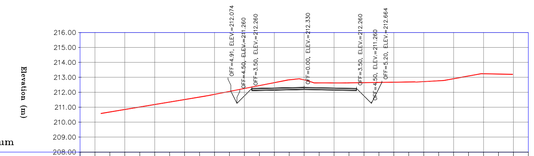
NATURAL GROUND ELEVATION	212.56	212.75	212.95	213.14	213.33	213.53	213.72	213.91	214.08	214.19	214.30	214.32	214.34	214.36	214.43	214.46	214.49	214.50	214.38	214.27	214.18	213.65	214.33	214.33	214.34
PROJECT ELEVATION	213.49	214.00	214.02	214.04	214.06	214.04	214.02	214.00	213.49	213.99															
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+800.00



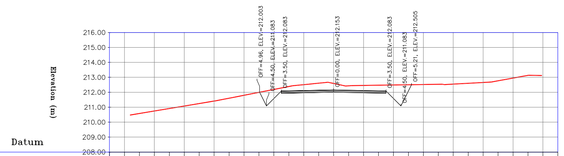
NATURAL GROUND ELEVATION	211.96	212.12	212.29	212.46	212.62	212.79	212.96	213.12	213.29	213.46	213.55	213.61	213.63	213.66	213.69	213.73	213.76	213.79	213.86	213.86	213.50	213.94	213.93	213.93	213.92	213.92	213.91			
PROJECT ELEVATION	213.39	213.41	213.43	213.45	213.43	213.41	213.39	212.88	213.38																					
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	

1+808.65



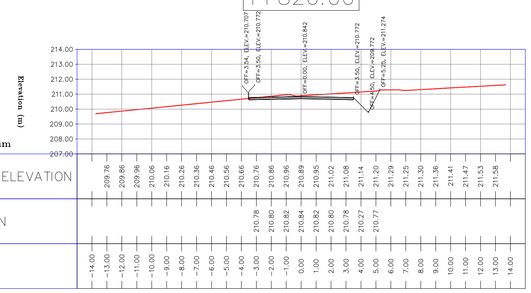
NATURAL GROUND ELEVATION	210.68	210.85	211.02	211.18	211.35	211.52	211.68	211.86	212.06	212.25	212.45	212.64	212.83	212.83	212.63	212.63	212.63	212.65	212.66	212.68	212.69	212.71	212.77	212.90	213.09	213.24	213.22			
PROJECT ELEVATION	211.76	212.27	212.29	212.31	212.33	212.31	212.29	211.76	212.26																					
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	

1+810.00



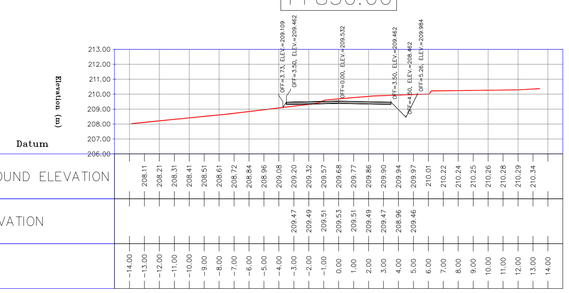
NATURAL GROUND ELEVATION	210.58	210.74	210.91	211.08	211.25	211.41	211.60	211.80	212.00	212.19	212.39	212.51	212.61	212.59	212.43	212.46	212.47	212.49	212.50	212.52	212.53	212.54	212.60	212.66	212.77	212.95	213.13			
PROJECT ELEVATION	211.58	212.09	212.11	212.13	212.15	212.13	212.11	211.58	212.88																					
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	

1+820.00



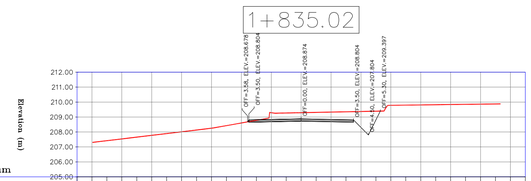
NATURAL GROUND ELEVATION	209.76	209.89	209.99	210.06	210.16	210.26	210.36	210.46	210.56	210.66	210.76	210.86	210.86	210.89	210.95	211.02	211.08	211.14	211.20	211.29	211.25	211.30	211.36	211.41	211.47	211.53	211.58			
PROJECT ELEVATION	210.78	210.80	210.82	210.84	210.82	210.80	210.78	210.27	210.77																					
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+830.00



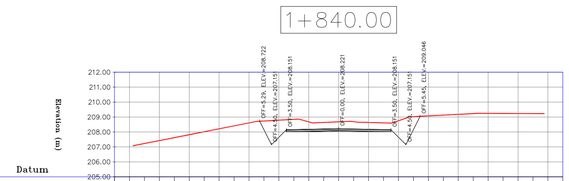
NATURAL GROUND ELEVATION	208.11	208.21	208.31	208.41	208.51	208.61	208.72	208.84	208.96	209.08	209.20	209.32	209.57	209.68	209.77	209.85	209.90	209.94	209.97	210.01	210.22	210.24	210.25	210.26	210.28	210.29	210.34			
PROJECT ELEVATION	209.47	209.49	209.51	209.53	209.51	209.49	209.47	208.96	209.46																					
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	

1+835.02



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	209.29	209.27	209.29	209.33	209.35	209.37	209.39	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	208.30	208.80																					
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	

1+840.00



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	208.64	208.69	208.64	208.61	208.75	209.02	209.07	209.13	209.18	209.23	209.24	209.24	209.24	209.23			
PROJECT ELEVATION	208.15	207.65	208.16	208.18	208.20	208.22	208.20	208.16	207.65	208.15																				
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	

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

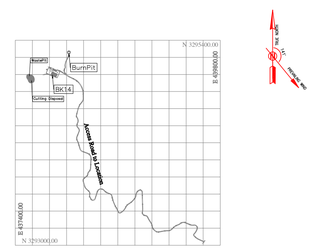
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	59 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

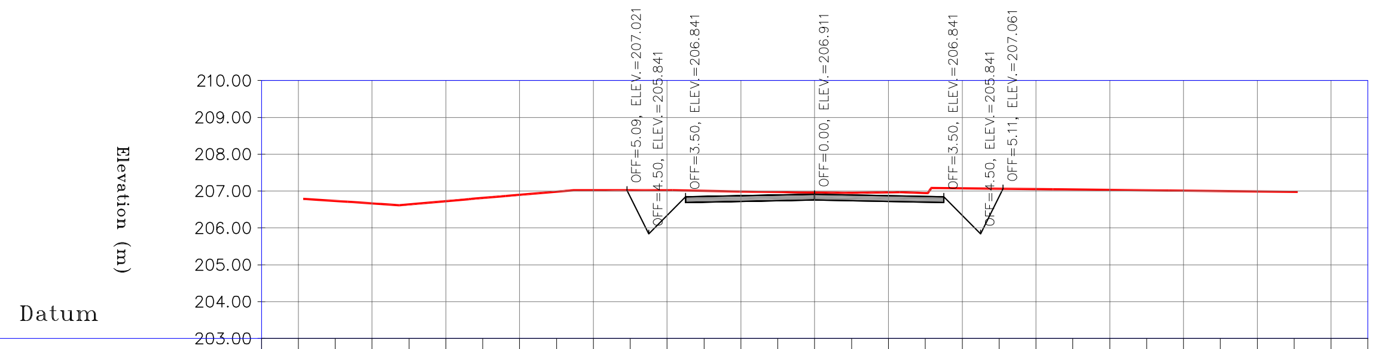
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

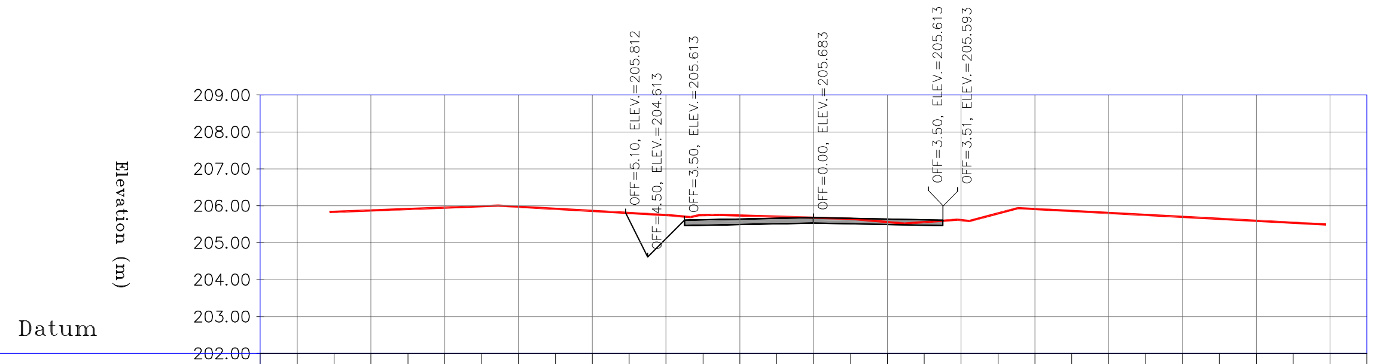
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	59	D02

1+850.00



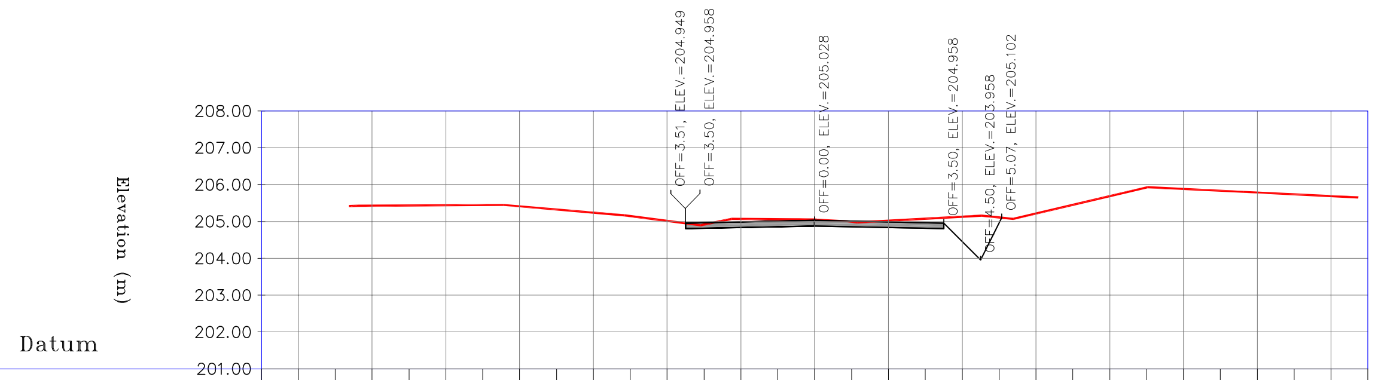
NATURAL GROUND ELEVATION		206.73	206.67	206.64	206.73	206.81	206.90	206.98	207.02	207.02	207.02	207.01	206.99	206.98	206.96	206.95	206.97	206.94	207.07	207.06	207.05	207.04	207.03	207.02	207.01	207.00	206.99	206.98	
PROJECT ELEVATION										206.84	206.34	206.85	206.87	206.89	206.91	206.89	206.87	206.85	206.34	206.84									
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

1+860.00



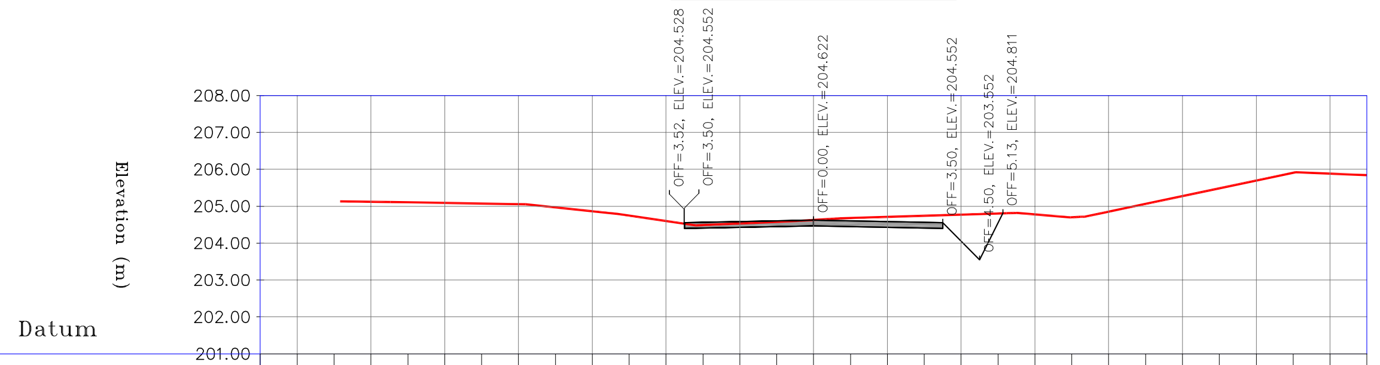
NATURAL GROUND ELEVATION		205.84	205.88	205.91	205.95	205.99	205.97	205.92	205.86	205.81	205.75	205.75	205.74	205.71	205.68	205.64	205.56	205.56	205.61	205.79	205.91	205.86	205.80	205.75	205.70	205.64	205.59	205.54	
PROJECT ELEVATION										205.61	205.11	205.62	205.64	205.66	205.68	205.66	205.64	205.62											
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

1+865.99



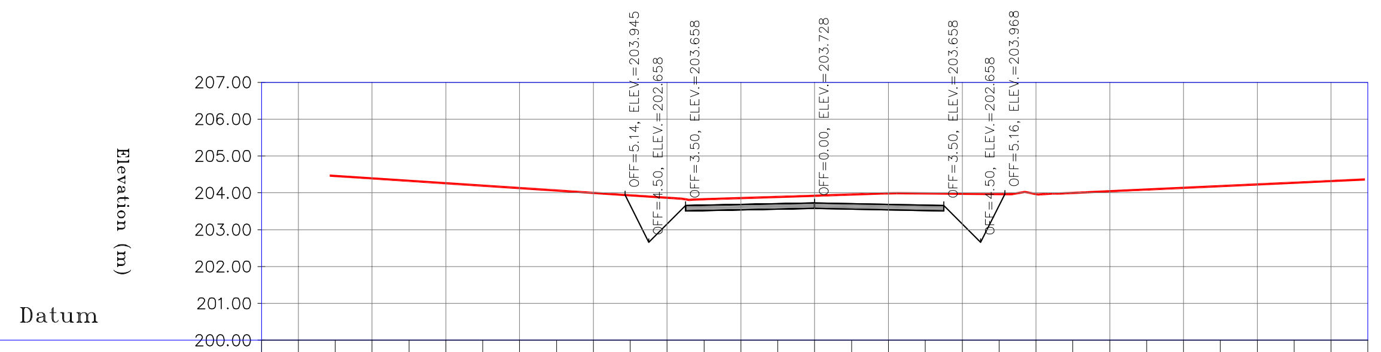
NATURAL GROUND ELEVATION			205.43	205.43	205.44	205.44	205.41	205.32	205.24	205.14	205.01	204.91	205.07	205.06	205.05	204.99	205.02	205.07	205.13	205.11	205.22	205.45	205.69	205.92	205.88	205.83	205.79	205.74	205.69
PROJECT ELEVATION												204.97	204.99	205.01	205.03	205.01	204.99	204.97	204.46	204.96									
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

1+870.00



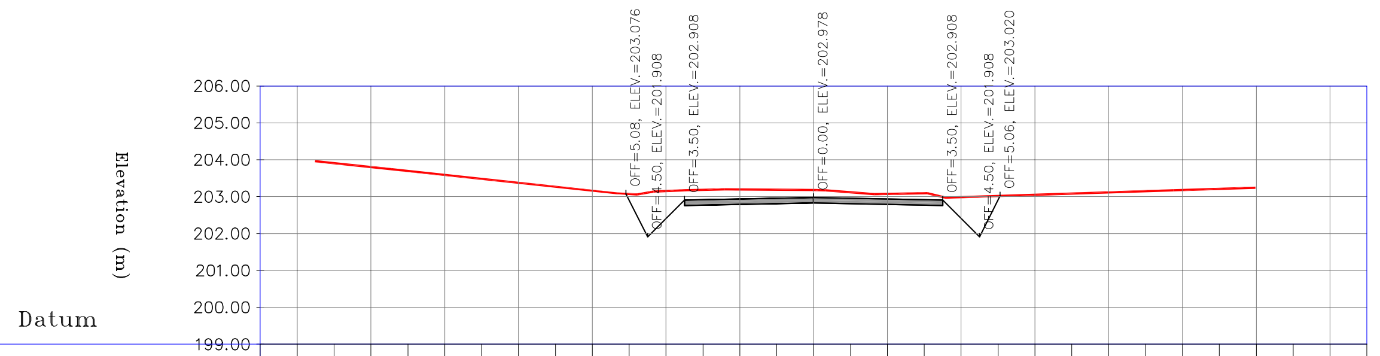
NATURAL GROUND ELEVATION			205.12	205.10	205.09	205.07	205.06	204.97	204.87	204.75	204.60	204.49	204.53	204.58	204.63	204.68	204.71	204.74	204.78	204.81	204.78	204.70	204.86	205.07	205.28	205.49	205.70	205.91	205.88
PROJECT ELEVATION												204.56	204.58	204.60	204.62	204.60	204.58	204.56	204.05	204.55									
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+880.00



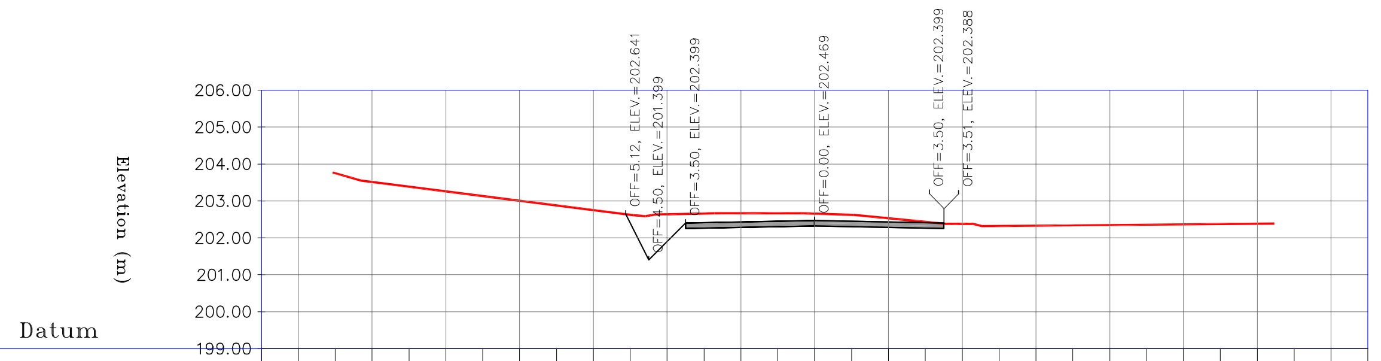
NATURAL GROUND ELEVATION		204.46	204.39	204.33	204.26	204.20	204.13	204.07	204.00	203.94	203.87	203.82	203.86	203.89	203.92	203.96	203.98	203.98	203.97	203.97	203.97	204.00	204.04	204.09	204.14	204.18	204.23	204.27	204.32
PROJECT ELEVATION										203.66	203.16	203.67	203.69	203.71	203.73	203.71	203.69	203.67	203.16	203.66									
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+890.00



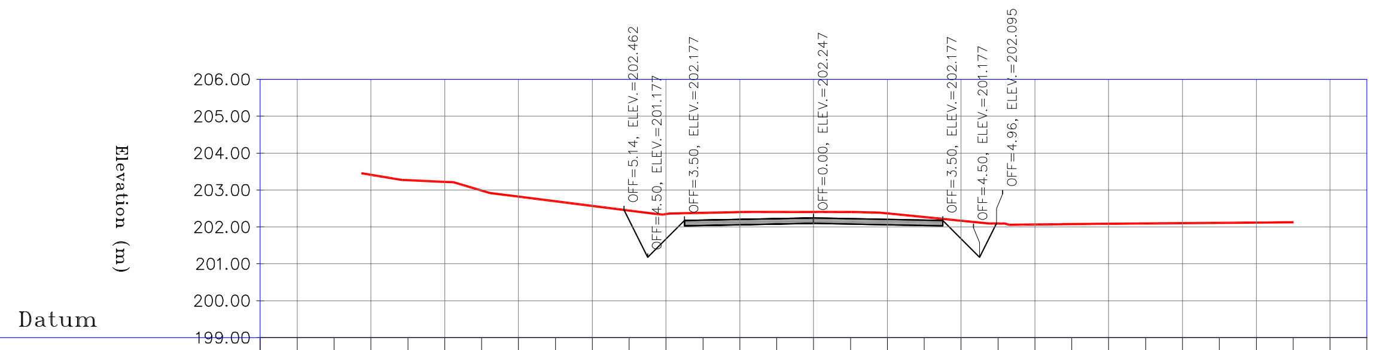
NATURAL GROUND ELEVATION		203.91	203.80	203.69	203.59	203.48	203.37	203.27	203.16	203.07	203.15	203.19	203.20	203.19	203.18	203.12	203.08	203.09	202.99	203.02	203.05	203.08	203.11	203.14	203.18	203.21			
PROJECT ELEVATION										202.91	202.41	202.92	202.94	202.96	202.98	202.96	202.94	202.92	202.41	202.91									
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

1+896.96



NATURAL GROUND ELEVATION		203.75	203.51	203.39	203.26	203.13	203.01	202.88	202.75	202.63	202.64	202.66	202.67	202.67	202.66	202.63	202.53	202.44	202.38	202.32	202.33	202.34	202.35	202.36	202.37	202.37	202.38		
PROJECT ELEVATION										202.40	201.90	202.41	202.43	202.45	202.47	202.45	202.43	202.41											
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+900.00



NATURAL GROUND ELEVATION			203.41	203.26	203.22	202.99	202.82	202.70	202.57	202.44	202.35	202.38	202.40	202.41	202.41	202.41	202.37	202.27	202.17	202.09	202.07	202.07	202.08	202.09	202.10	202.11	202.12	202.13	
PROJECT ELEVATION										202.18	201.68	202.19	202.21	202.23	202.25	202.23	202.21	202.19	201.68										
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

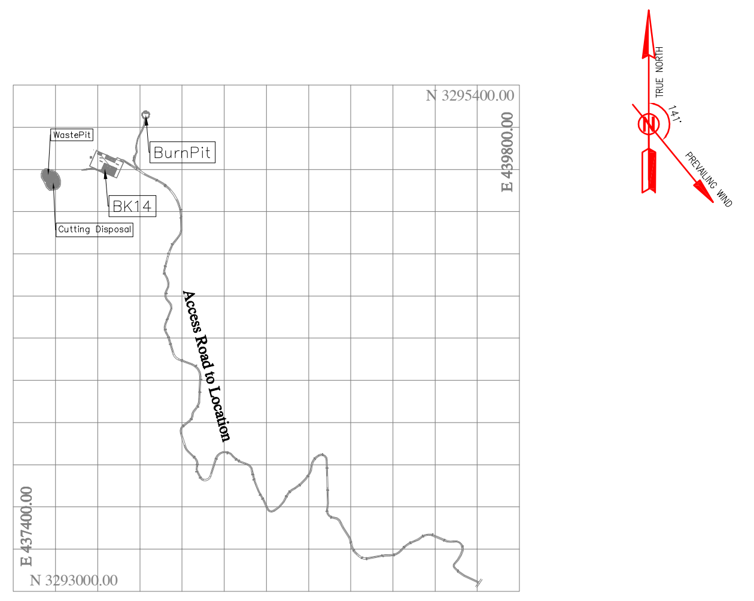
⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
🟥	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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.	

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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	60 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

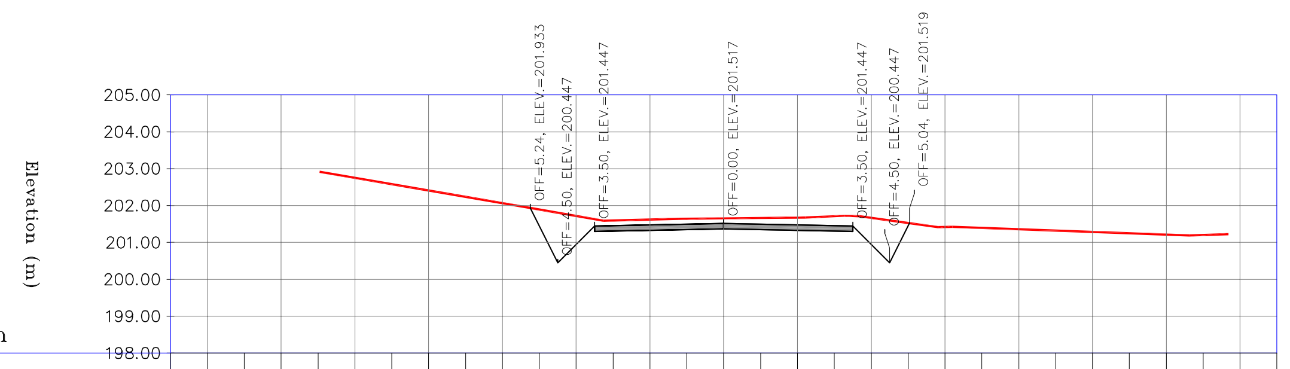
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

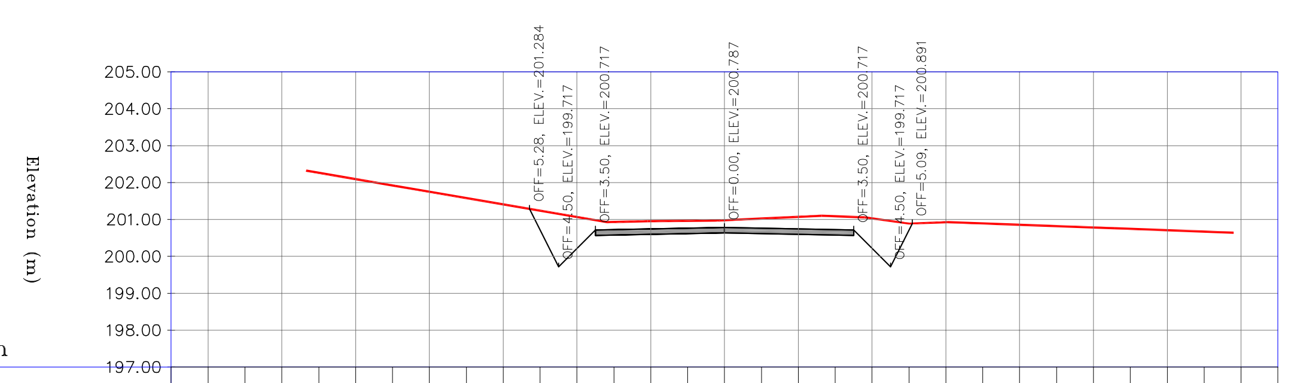
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	60	D02

1+910.00



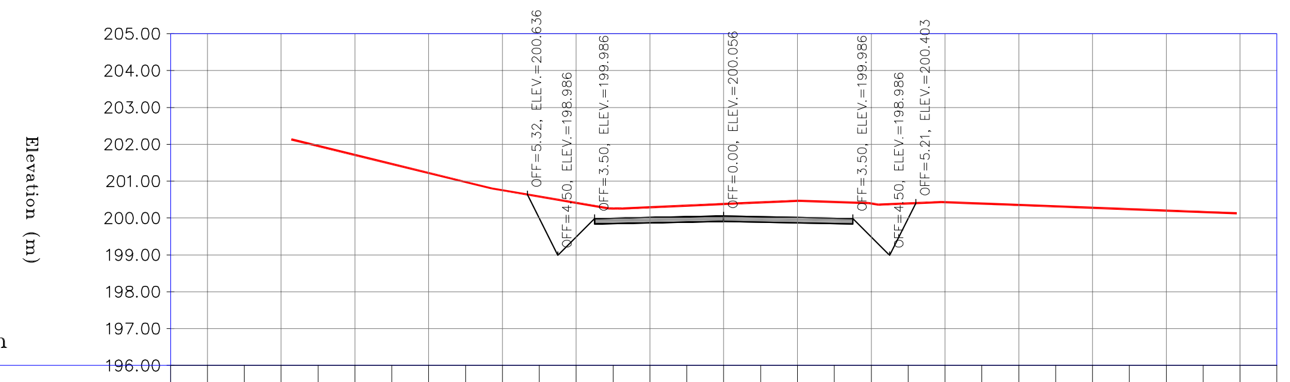
NATURAL GROUND ELEVATION					202.75	202.58	202.41	202.23	202.06	201.89	201.72	201.60	201.62	201.64	201.65	201.66	201.67	201.71	201.66	201.52	201.42	201.40	201.36	201.32	201.28	201.25	201.21	201.20	
PROJECT ELEVATION										201.45	200.95	201.46	201.48	201.50	201.52	201.50	201.48	201.46	200.95	201.45									
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+920.00



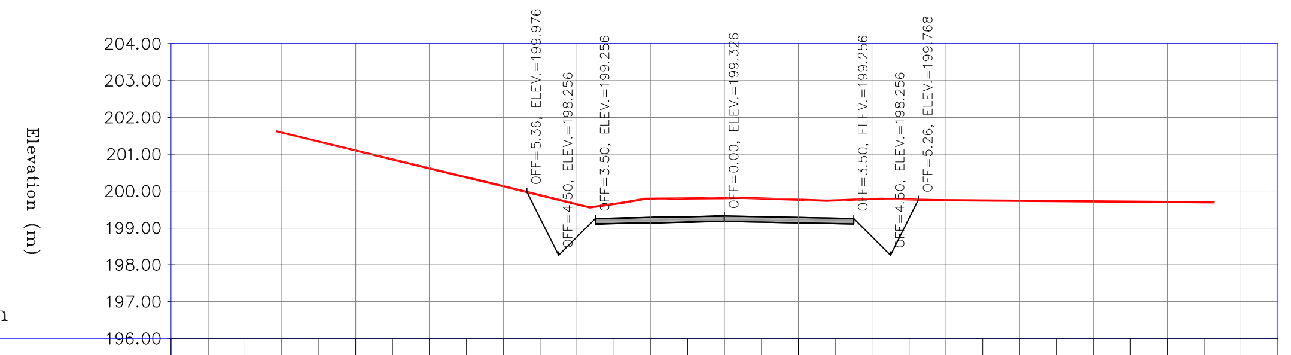
NATURAL GROUND ELEVATION				202.27	202.09	201.92	201.75	201.58	201.41	201.24	201.06	200.93	200.95	200.96	200.98	201.02	201.07	201.08	201.03	200.89	200.93	200.89	200.86	200.82	200.78	200.74	200.71	200.67	
PROJECT ELEVATION										200.72	200.22	200.73	200.75	200.77	200.79	200.77	200.75	200.73	200.22	200.72									
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+930.00



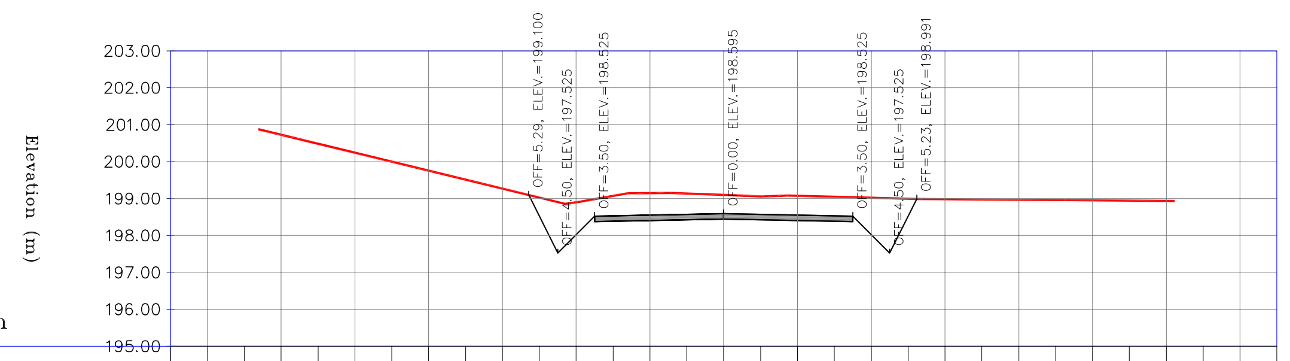
NATURAL GROUND ELEVATION				201.95	201.71	201.47	201.22	200.98	200.75	200.58	200.41	200.26	200.29	200.34	200.38	200.43	200.47	200.44	200.39	200.40	200.43	200.39	200.35	200.31	200.28	200.24	200.20	200.16	
PROJECT ELEVATION										199.99	199.49	200.00	200.02	200.04	200.06	200.04	200.02	200.00	199.49	199.99									
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+940.00



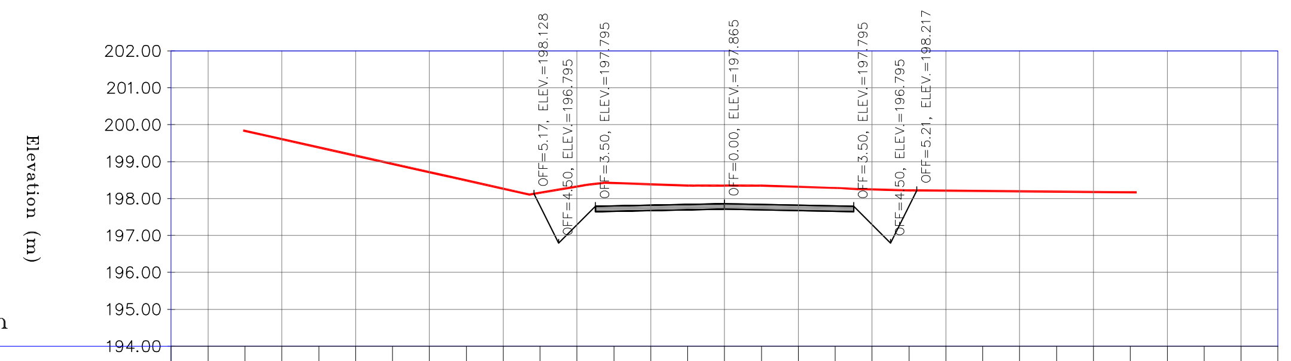
NATURAL GROUND ELEVATION			201.59	201.34	201.10	200.86	200.62	200.37	200.13	199.89	199.65	199.65	199.79	199.80	199.81	199.80	199.77	199.74	199.78	199.77	199.75	199.75	199.74	199.73	199.72	199.71	199.71	199.70	
PROJECT ELEVATION										199.26	198.76	199.27	199.29	199.31	199.33	199.31	199.29	199.27	198.76	199.26									
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

1+950.00



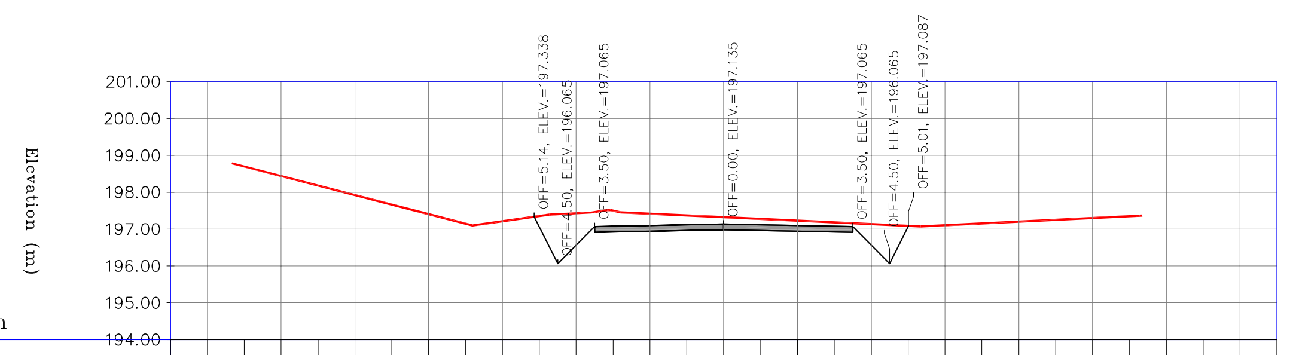
NATURAL GROUND ELEVATION			200.73	200.48	200.24	200.00	199.76	199.51	199.27	199.03	198.90	199.07	199.15	199.14	199.10	199.06	199.07	199.05	199.02	199.00	198.98	198.97	198.97	198.96	198.95	198.94	198.93		
PROJECT ELEVATION										198.53	198.03	198.54	198.56	198.58	198.60	198.58	198.56	198.54	198.03	198.53									
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+960.00



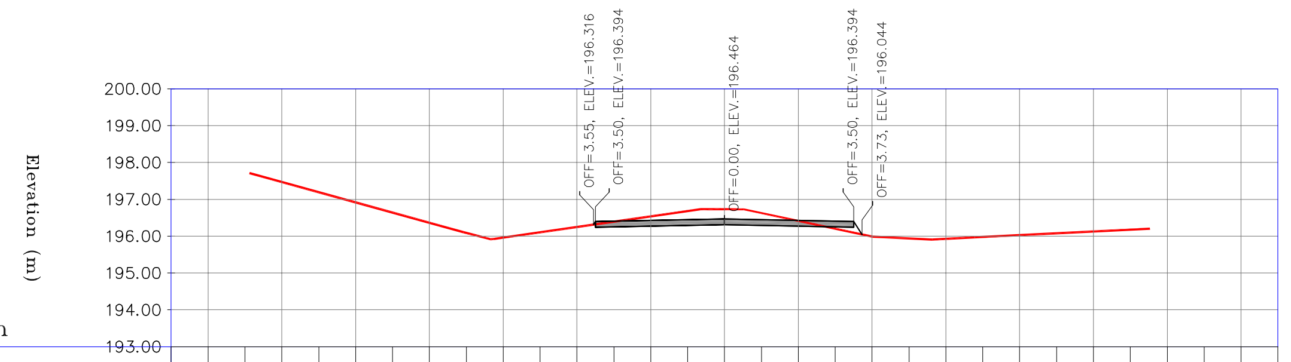
NATURAL GROUND ELEVATION		199.83	199.61	199.39	199.16	198.94	198.71	198.49	198.27	198.16	198.33	198.42	198.38	198.35	198.35	198.35	198.32	198.29	198.25	198.22	198.21	198.20	198.19	198.19	198.18	198.17			
PROJECT ELEVATION										197.79	197.29	197.80	197.82	197.84	197.86	197.84	197.82	197.80	197.29	197.79									
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+970.00



NATURAL GROUND ELEVATION		198.70	198.44	198.18	197.92	197.67	197.41	197.15	197.22	197.36	197.43	197.50	197.42	197.37	197.32	197.28	197.23	197.18	197.13	197.09	197.10	197.15	197.20	197.25	197.30	197.35			
PROJECT ELEVATION										197.06	196.56	197.07	197.09	197.11	197.13	197.11	197.09	197.07	196.56	197.06									
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

1+980.00



NATURAL GROUND ELEVATION			197.47	197.19	196.92	196.64	196.36	196.09	195.96	196.11	196.25	196.39	196.54	196.68	196.73	196.63	196.41	196.20	195.99	195.94	195.93	195.98	196.02	196.07	196.12	196.17			
PROJECT ELEVATION												196.40	196.42	196.44	196.46	196.44	196.42	196.40											
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.

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

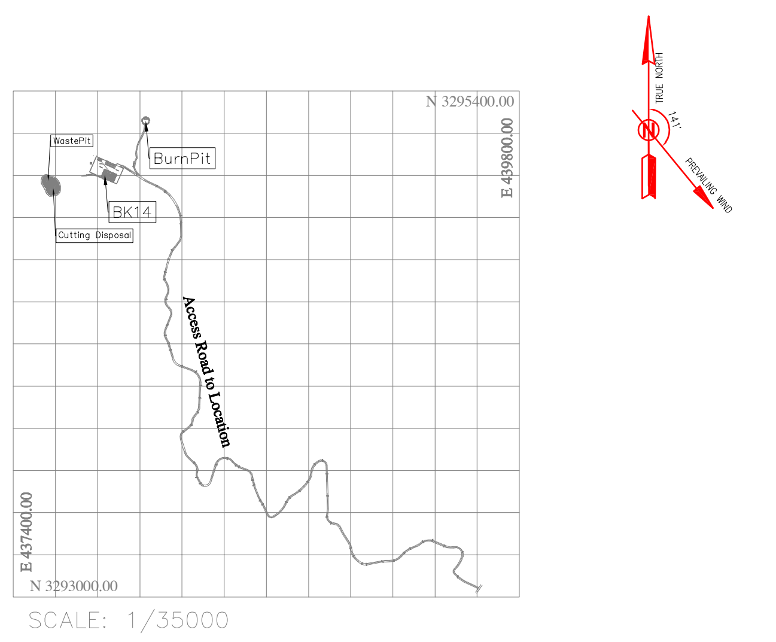
⊙ WELL LOCATION	CANAL
● WELL	RIVER
▭ SITE	WATER COURSE
🟥 CAMP SITE	CONTOURS
ASPHALT ROAD	99.27 SPOT HEIGHT
GRAVEL ROAD	BENCH MARK
PROPOSED ROAD	BRIDGE
DAYLIGHT	CULVERT

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

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.	

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):
PEDCO
PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

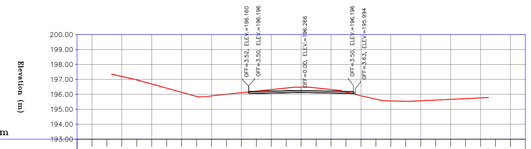
DRAWING TITLE:
CIVIL AND STRUCTURAL DRAWINGS – BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

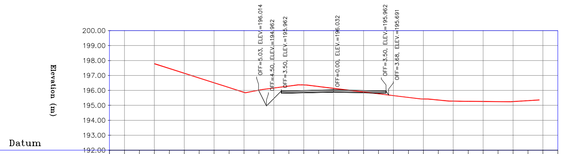
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	61 OF 103	D01	053–073–9184	F	4	S	708209	61	D02

1+983.89



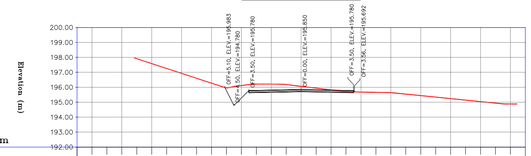
NATURAL GROUND ELEVATION	197.20, 196.97, 196.69, 196.41, 196.14, 195.86, 195.90, 196.01, 196.11, 196.21, 196.32, 196.42, 196.48, 196.43, 196.32, 196.15, 195.90, 195.68, 195.55, 195.53, 195.57, 195.62, 195.67, 195.71, 195.76
PROJECT ELEVATION	196.21, 196.23, 196.25, 196.27, 196.25, 196.23, 196.21
DIST. (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+990.00



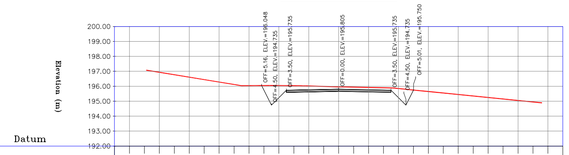
NATURAL GROUND ELEVATION	197.47, 197.15, 196.83, 196.51, 196.19, 195.87, 196.02, 196.16, 196.29, 196.36, 196.26, 196.14, 196.02, 195.90, 195.77, 195.65, 195.53, 195.42, 195.35, 195.28, 195.27, 195.26, 195.25, 195.25, 195.32
PROJECT ELEVATION	195.96, 195.46, 195.97, 195.99, 196.01, 196.03, 196.01, 195.99, 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

2+000.00



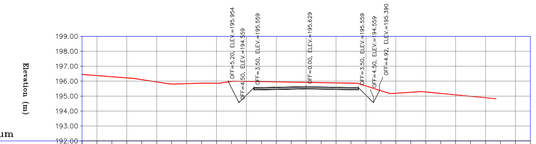
NATURAL GROUND ELEVATION	197.91, 197.58, 197.26, 196.93, 196.60, 196.28, 195.95, 196.11, 196.21, 196.18, 196.06, 195.94, 195.82, 195.71, 195.68, 195.66, 195.65, 195.55, 195.45, 195.35, 195.25, 195.15, 195.04, 194.94, 194.88
PROJECT ELEVATION	195.78, 195.28, 195.79, 195.81, 195.83, 195.85, 195.83, 195.81, 195.79
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+010.00



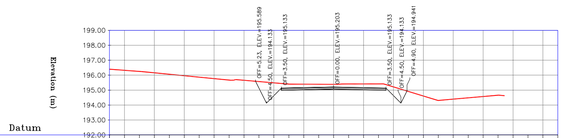
NATURAL GROUND ELEVATION	196.93, 196.77, 196.61, 196.45, 196.28, 196.12, 196.04, 196.05, 196.04, 196.02, 195.99, 195.96, 195.94, 195.92, 195.90, 195.85, 195.75, 195.65, 195.55, 195.45, 195.35, 195.25, 195.15, 195.05, 194.95
PROJECT ELEVATION	195.74, 195.24, 195.75, 195.77, 195.79, 195.81, 195.79, 195.77, 195.75, 195.24, 195.74
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+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, 195.97, 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	195.56, 195.06, 195.57, 195.59, 195.61, 195.63, 195.61, 195.59, 195.57, 195.06
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

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, 195.40, 195.39, 195.39, 195.41, 195.41, 195.42, 195.31, 194.91, 194.61, 194.31, 194.40, 194.49, 194.57, 194.66
PROJECT ELEVATION	195.13, 194.63, 195.14, 195.16, 195.18, 195.20, 195.18, 195.16, 195.14, 194.63
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

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, 194.86, 194.84, 194.84, 194.86, 194.69, 194.39, 194.09, 194.17, 194.27, 194.36, 194.46, 194.47
PROJECT ELEVATION	194.97, 194.47, 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, 193.98
PROJECT ELEVATION	194.50, 194.00, 194.51, 194.53, 194.55, 194.57, 194.55, 194.53, 194.51, 193.74
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

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 (60, 50)
SPOT HEIGHT (99.27)
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.
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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	62 OF 103	D01

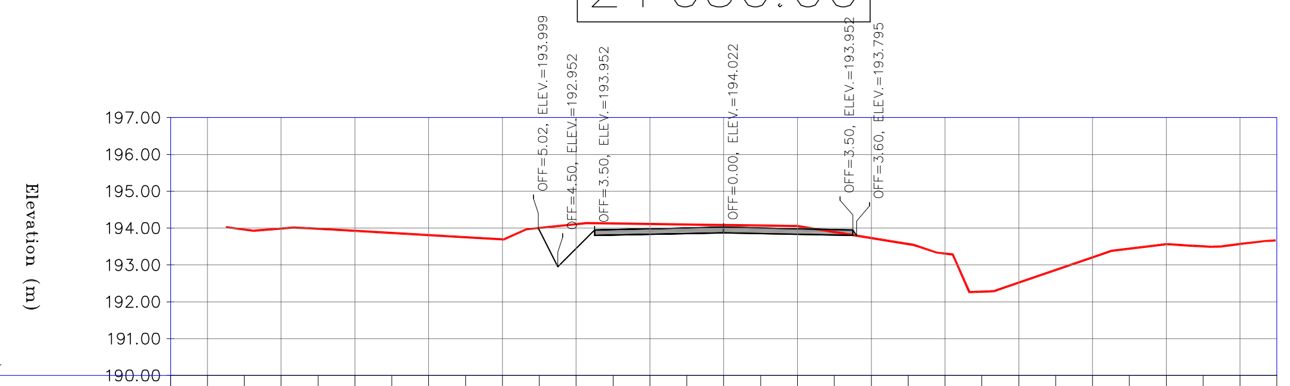
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

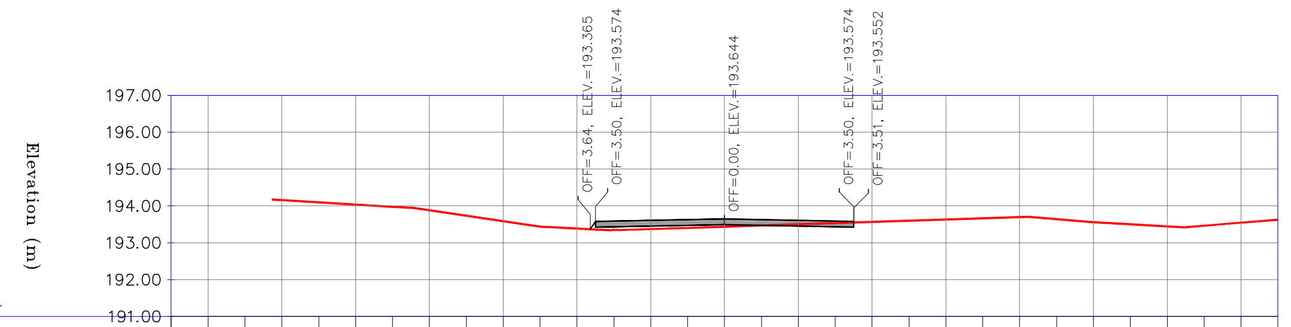
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	62	D02

2+050.00



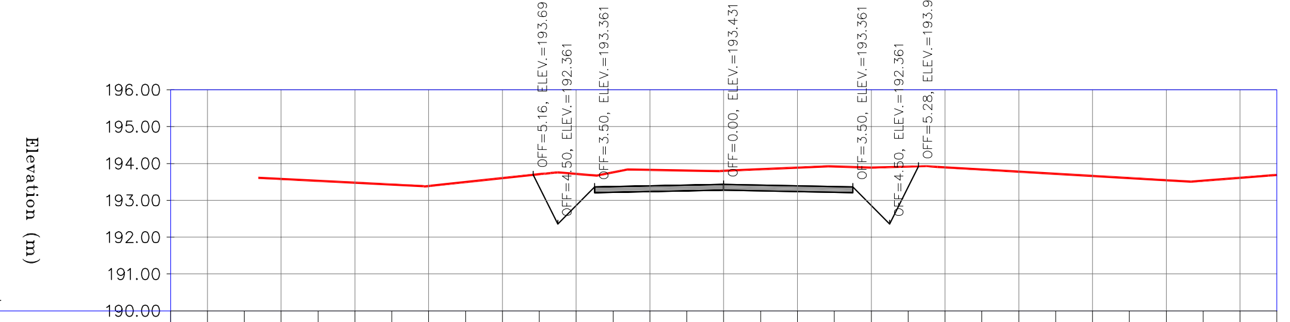
NATURAL GROUND ELEVATION		193.96	193.98	193.98	193.92	193.87	193.81	193.75	193.69	194.00	194.11	194.12	194.11	194.10	194.08	194.07	194.05	193.89	193.73	193.57	193.31	192.28	192.52	192.86	193.21	193.44	193.56	193.51	193.57
PROJECT ELEVATION										193.95	193.45	193.96	193.98	194.00	194.02	194.00	193.98	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



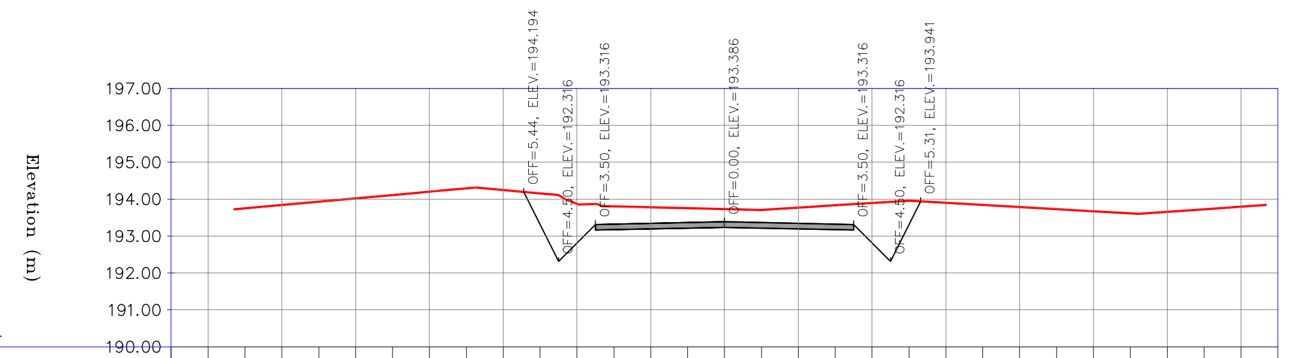
NATURAL GROUND ELEVATION			194.16	194.10	194.04	193.98	193.88	193.73	193.58	193.43	193.38	193.35	193.37	193.40	193.44	193.47	193.50	193.53	193.57	193.60	193.63	193.67	193.70	193.64	193.55	193.50	193.45	193.46	193.54
PROJECT ELEVATION												193.58	193.60	193.62	193.64	193.62	193.60	193.58											
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



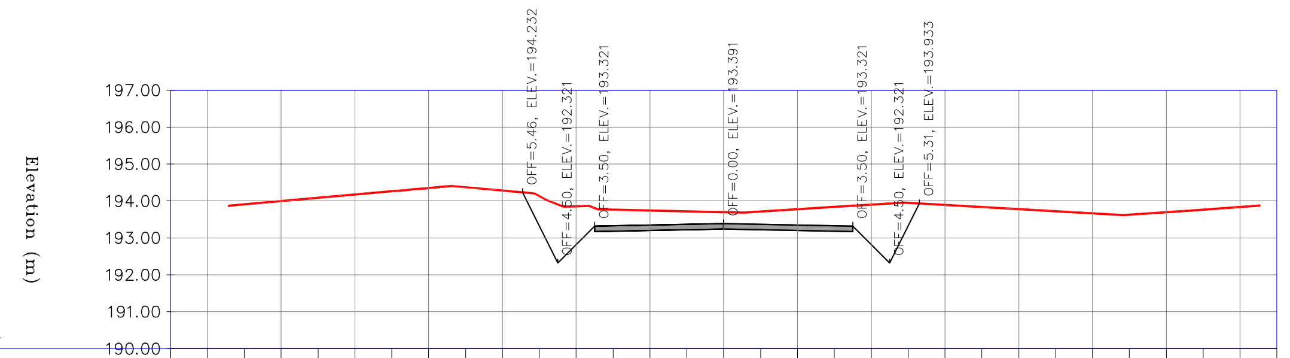
NATURAL GROUND ELEVATION			193.58	193.53	193.48	193.43	193.39	193.50	193.60	193.71	193.72	193.76	193.83	193.81	193.80	193.85	193.89	193.92	193.89	193.92	193.89	193.83	193.78	193.72	193.66	193.60	193.55	193.53	193.61
PROJECT ELEVATION										193.36	192.86	193.37	193.39	193.41	193.43	193.41	193.39	193.37	192.86	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+080.00



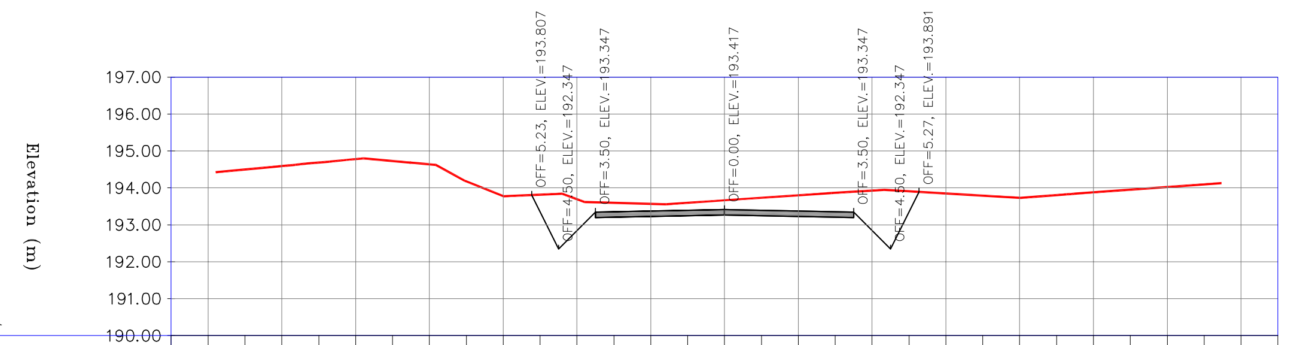
NATURAL GROUND ELEVATION		193.75	193.84	193.93	194.02	194.11	194.20	194.29	194.24	194.16	193.88	193.80	193.78	193.75	193.73	193.70	193.77	193.84	193.90	193.96	193.90	193.84	193.79	193.73	193.67	193.61	193.66	193.73	193.80
PROJECT ELEVATION										193.32	192.82	193.33	193.35	193.37	193.39	193.37	193.35	193.33	192.82	193.32									
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+081.55



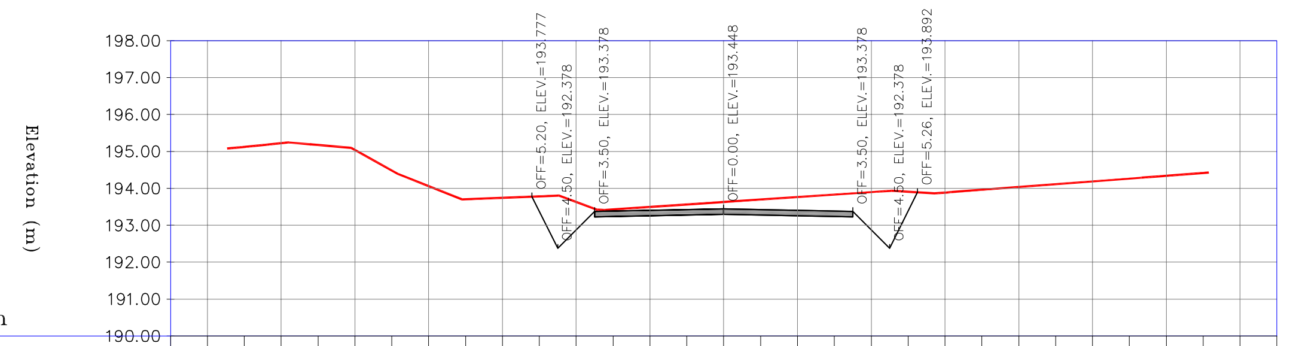
NATURAL GROUND ELEVATION		193.91	194.00	194.09	194.17	194.26	194.35	194.37	194.28	194.13	193.86	193.77	193.74	193.72	193.70	193.71	193.78	193.84	193.90	193.95	193.89	193.84	193.78	193.72	193.66	193.63	193.70	193.77	193.84
PROJECT ELEVATION										193.32	192.82	193.33	193.35	193.37	193.39	193.37	193.35	193.33	192.82	193.32									
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+090.00



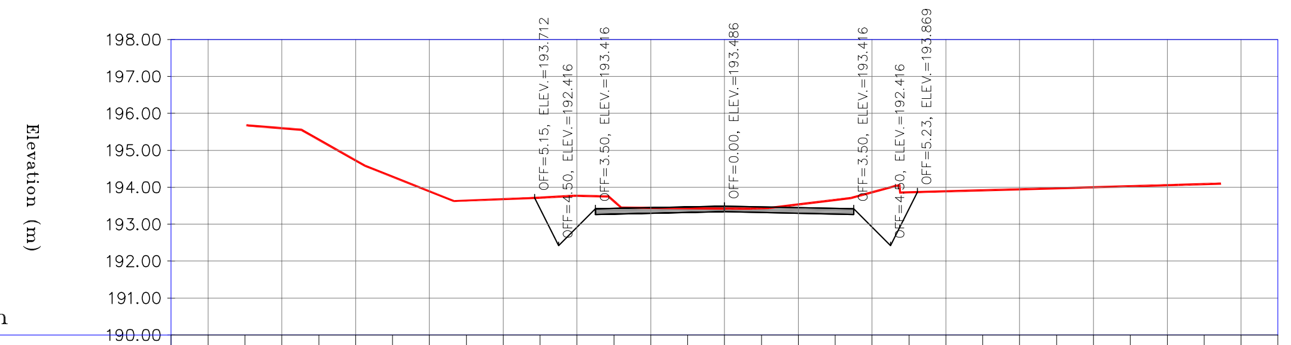
NATURAL GROUND ELEVATION		194.50	194.59	194.69	194.78	194.73	194.64	194.17	193.78	193.82	193.69	193.59	193.57	193.60	193.66	193.73	193.80	193.86	193.93	193.91	193.85	193.79	193.73	193.80	193.88	193.95	194.02	194.09	
PROJECT ELEVATION										193.35	192.85	193.36	193.38	193.40	193.42	193.40	193.38	193.36	192.85	193.35									
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+100.00



NATURAL GROUND ELEVATION		195.13	195.23	195.18	195.04	194.48	194.06	193.70	193.74	193.78	193.63	193.43	193.50	193.57	193.63	193.70	193.77	193.83	193.90	193.91	193.89	193.96	194.04	194.11	194.19	194.26	194.34	194.42	
PROJECT ELEVATION										193.38	192.88	193.39	193.41	193.43	193.45	193.43	193.41	193.39	192.88	193.38									
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

2+110.00



NATURAL GROUND ELEVATION			195.60	195.29	194.73	194.29	193.89	193.64	193.68	193.72	193.77	193.62	193.44	193.43	193.43	193.43	193.54	193.66	193.86	193.86	193.89	193.92	193.95	193.97	194.00	194.03	194.06	194.09	
PROJECT ELEVATION										193.42	192.92	193.43	193.45	193.47	193.49	193.47	193.45	193.43	192.92	193.42									
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

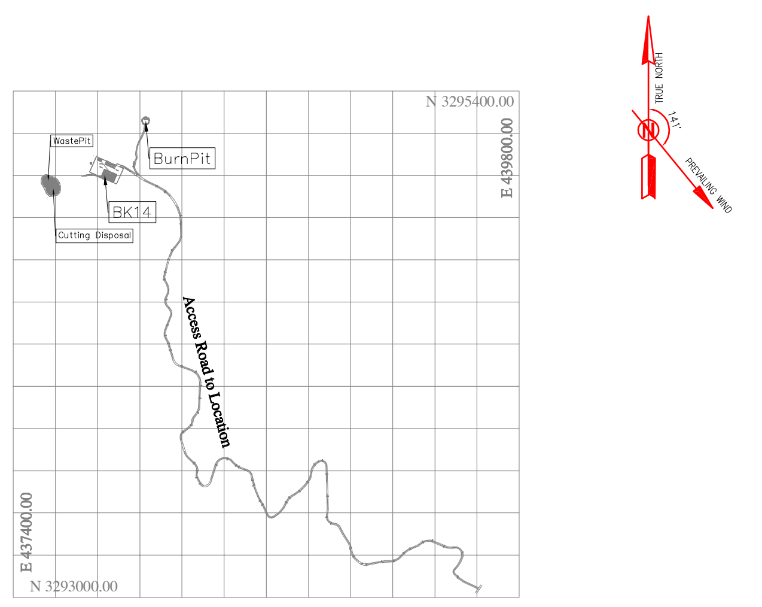
⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
🟥	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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
***	**********	**.**	***.****	**.**	***.****

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

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):
PEDCO
PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

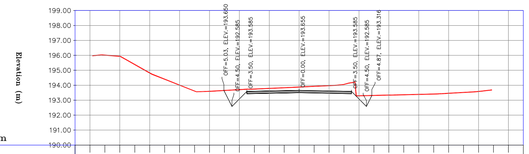
APPROVED FOR CONSTRUCTION BY: DATE:

DRAWING TITLE:
CIVIL AND STRUCTURAL DRAWINGS – BK14
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	63 OF 103	D01

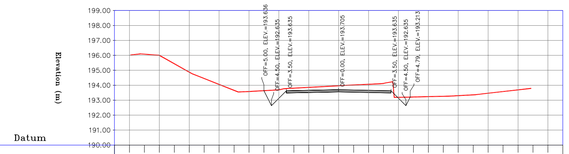
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	63	D02

2+118.45



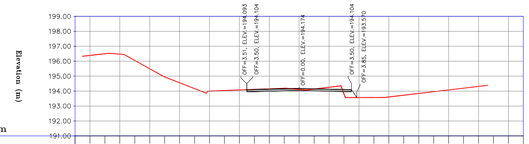
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.01	
-13.00	195.94	
-12.00	195.39	
-11.00	194.82	
-10.00	194.40	
-9.00	194.01	
-8.00	193.61	
-7.00	193.60	
-6.00	193.65	
-5.00	193.69	
-4.00	193.71	193.59
-3.00	193.74	193.59
-2.00	193.79	193.60
-1.00	193.84	193.62
0.00	193.88	193.64
1.00	193.93	193.66
2.00	193.97	193.64
3.00	194.06	193.62
4.00	193.30	193.60
5.00	193.32	193.09
6.00	193.34	
7.00	193.37	
8.00	193.39	
9.00	193.41	
10.00	193.46	
11.00	193.52	
12.00	193.59	
13.00		
14.00		

2+120.00



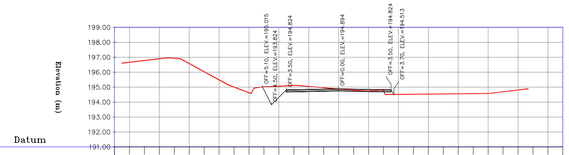
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.08	
-13.00	196.00	
-12.00	195.44	
-11.00	194.88	
-10.00	194.45	
-9.00	194.06	
-8.00	193.66	
-7.00	193.58	
-6.00	193.64	193.64
-5.00	193.64	193.14
-4.00	193.69	193.65
-3.00	193.81	193.67
-2.00	193.86	193.69
-1.00	193.91	193.71
0.00	193.97	193.69
1.00	194.02	193.67
2.00	194.06	193.65
3.00	194.12	193.14
4.00	193.20	
5.00	193.22	
6.00	193.24	
7.00	193.26	
8.00	193.30	
9.00	193.36	
10.00	193.47	
11.00	193.58	
12.00	193.69	
13.00		
14.00		

2+130.00



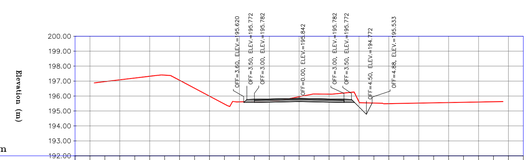
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.39	
-13.00	196.50	
-12.00	196.47	
-11.00	196.05	
-10.00	195.50	
-9.00	194.95	
-8.00	194.56	
-7.00	194.17	
-6.00	194.00	
-5.00	194.04	
-4.00	194.07	
-3.00	194.11	194.11
-2.00	194.15	194.13
-1.00	194.19	194.15
0.00	194.11	194.17
1.00	194.14	194.15
2.00	194.26	194.13
3.00	193.81	194.11
4.00	193.57	
5.00	193.57	
6.00	193.60	
7.00	193.72	
8.00	193.84	
9.00	193.96	
10.00	194.08	
11.00	194.19	
12.00	194.31	
13.00		
14.00		

2+140.00



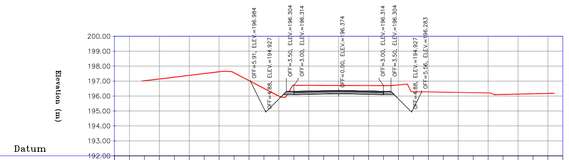
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.66	
-13.00	196.78	
-12.00	196.90	
-11.00	196.93	
-10.00	196.58	
-9.00	196.03	
-8.00	195.49	
-7.00	195.01	
-6.00	194.63	
-5.00	195.02	194.82
-4.00	195.07	194.32
-3.00	195.11	194.83
-2.00	195.05	194.85
-1.00	194.96	194.87
0.00	194.88	194.89
1.00	194.80	194.87
2.00	194.73	194.85
3.00	194.81	194.83
4.00	194.52	
5.00	194.53	
6.00	194.54	
7.00	194.56	
8.00	194.57	
9.00	194.58	
10.00	194.69	
11.00	194.81	
12.00		
13.00		
14.00		

2+150.00



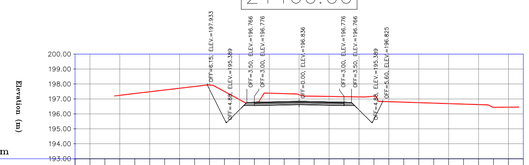
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.96	
-13.00	197.08	
-12.00	197.20	
-11.00	197.32	
-10.00	197.40	
-9.00	197.05	
-8.00	196.52	
-7.00	195.99	
-6.00	195.46	
-5.00	195.61	
-4.00	195.64	
-3.00	195.66	
-2.00	195.76	195.78
-1.00	195.86	195.80
0.00	196.14	195.82
1.00	196.13	195.84
2.00	196.20	195.82
3.00	195.62	195.80
4.00	195.53	195.78
5.00	195.49	195.27
6.00	195.51	
7.00	195.53	
8.00	195.53	
9.00	195.54	
10.00	195.56	
11.00	195.58	
12.00	195.60	
13.00	195.62	
14.00		

2+155.35



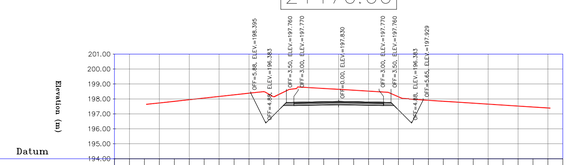
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.02	
-13.00	197.14	
-12.00	197.26	
-11.00	197.38	
-10.00	197.50	
-9.00	197.62	
-8.00	197.55	
-7.00	197.03	
-6.00	196.51	
-5.00	196.00	195.17
-4.00	196.51	195.80
-3.00	196.00	196.31
-2.00	196.72	196.33
-1.00	196.71	196.35
0.00	196.71	196.37
1.00	196.71	196.35
2.00	196.70	196.33
3.00	196.70	196.31
4.00	196.74	195.80
5.00	196.29	195.17
6.00	196.28	
7.00	196.26	
8.00	196.24	
9.00	196.23	
10.00	196.21	
11.00	196.11	
12.00	196.13	
13.00	196.15	
14.00	196.17	

2+160.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.24	
-13.00	197.36	
-12.00	197.48	
-11.00	197.60	
-10.00	197.71	
-9.00	197.83	
-8.00	197.93	
-7.00	197.93	
-6.00	197.50	
-5.00	196.96	
-4.00	196.71	197.63
-3.00	197.38	195.63
-2.00	197.35	196.77
-1.00	197.28	196.80
0.00	197.18	196.82
1.00	197.16	196.84
2.00	197.15	196.82
3.00	197.13	196.80
4.00	197.18	196.78
5.00	196.81	196.27
6.00	196.78	195.63
7.00	196.75	
8.00	196.72	
9.00	196.68	
10.00	196.65	
11.00	196.62	
12.00	196.43	
13.00	196.45	
14.00		

2+170.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.73	
-13.00	197.84	
-12.00	197.95	
-11.00	198.06	
-10.00	198.16	
-9.00	198.27	
-8.00	198.38	
-7.00	198.48	
-6.00	198.30	
-5.00	198.67	196.63
-4.00	198.76	197.26
-3.00	198.70	197.77
-2.00	198.64	197.79
-1.00	198.58	197.81
0.00	198.52	197.83
1.00	198.46	197.81
2.00	198.14	197.79
3.00	197.97	197.77
4.00	197.91	197.26
5.00	197.84	196.63
6.00	197.78	
7.00	197.71	
8.00	197.65	
9.00	197.59	
10.00	197.52	
11.00	197.46	
12.00	197.40	
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:
- 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

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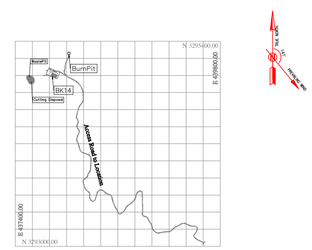
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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 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	64 OF 103	D01

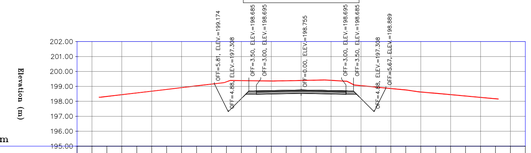
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

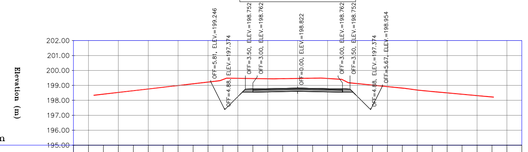
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	64	D02

2+179.32



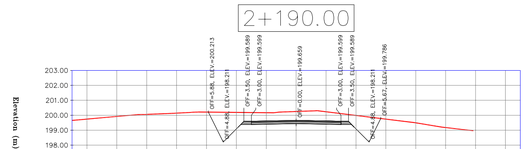
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	198.33	
-13.00	198.44	
-12.00	198.56	
-11.00	198.68	
-10.00	198.80	
-9.00	198.92	
-8.00	199.03	
-7.00	199.15	
-6.00	199.31	
-5.00	199.39	
-4.00	199.38	197.55
-3.00	199.37	198.19
-2.00	199.38	198.70
-1.00	199.40	198.72
0.00	199.42	198.74
1.00	199.43	198.76
2.00	199.40	198.74
3.00	199.34	198.72
4.00	199.05	198.70
5.00	198.95	198.19
6.00	198.86	197.55
7.00	198.76	
8.00	198.63	
9.00	198.54	
10.00	198.45	
11.00	198.36	
12.00	198.27	
13.00	198.18	
14.00		

2+180.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	198.41	
-13.00	198.53	
-12.00	198.64	
-11.00	198.76	
-10.00	198.88	
-9.00	198.99	
-8.00	199.11	
-7.00	199.22	
-6.00	199.39	
-5.00	199.47	
-4.00	199.46	197.62
-3.00	199.44	198.25
-2.00	199.45	198.76
-1.00	199.46	198.78
0.00	199.48	198.80
1.00	199.46	198.82
2.00	199.48	198.80
3.00	199.38	198.78
4.00	199.12	198.76
5.00	199.02	198.25
6.00	198.92	197.62
7.00	198.82	
8.00	198.69	
9.00	198.59	
10.00	198.50	
11.00	198.41	
12.00	198.32	
13.00	198.22	
14.00		

2+190.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	199.74	
-13.00	199.83	
-12.00	199.92	
-11.00	200.01	
-10.00	200.06	
-9.00	200.10	
-8.00	200.14	
-7.00	200.20	
-6.00	200.21	
-5.00	200.20	
-4.00	200.19	198.46
-3.00	200.18	199.09
-2.00	200.17	199.60
-1.00	200.22	199.62
0.00	200.25	199.64
1.00	200.29	199.66
2.00	200.24	199.62
3.00	200.11	199.60
4.00	199.99	199.09
5.00	199.87	198.46
6.00	199.75	
7.00	199.62	
8.00	199.50	
9.00	199.33	
10.00	199.18	
11.00	199.06	
12.00		
13.00		
14.00		

2+200.00

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	199.90	
-13.00	199.95	
-12.00	200.00	
-11.00	200.05	
-10.00	200.11	
-9.00	200.16	
-8.00	200.21	
-7.00	200.27	
-6.00	200.32	
-5.00	200.37	
-4.00	200.36	199.04
-3.00	200.34	199.68
-2.00	200.36	200.19
-1.00	200.48	200.21
0.00	200.60	200.23
1.00	200.70	200.25
2.00	200.73	200.21
3.00	200.59	200.19
4.00	200.45	199.68
5.00	200.31	199.04
6.00	200.16	
7.00	199.98	
8.00	199.80	
9.00	199.65	
10.00	199.52	
11.00	199.39	
12.00	199.26	
13.00		
14.00		

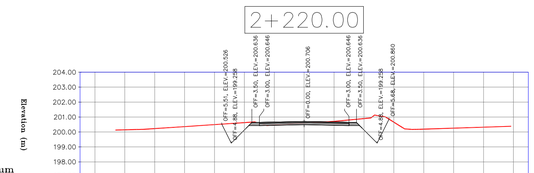
2+203.28

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	199.94	
-13.00	199.99	
-12.00	200.04	
-11.00	200.10	
-10.00	200.15	
-9.00	200.20	
-8.00	200.25	
-7.00	200.30	
-6.00	200.36	
-5.00	200.41	199.18
-4.00	200.41	199.81
-3.00	200.39	200.32
-2.00	200.47	200.34
-1.00	200.59	200.36
0.00	200.71	200.38
1.00	200.83	200.34
2.00	200.86	200.32
3.00	200.72	199.81
4.00	200.58	199.18
5.00	200.43	
6.00	200.24	
7.00	200.06	
8.00	199.88	
9.00	199.75	
10.00	199.62	
11.00	199.48	
12.00	199.35	
13.00		
14.00		

2+210.00

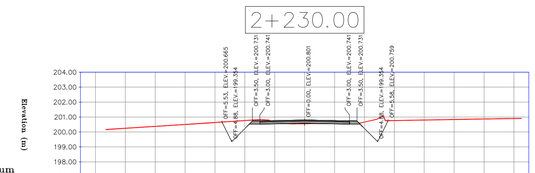
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	200.02	
-13.00	200.07	
-12.00	200.12	
-11.00	200.17	
-10.00	200.22	
-9.00	200.28	
-8.00	200.33	
-7.00	200.38	
-6.00	200.43	
-5.00	200.49	199.38
-4.00	200.50	200.01
-3.00	200.52	200.52
-2.00	200.54	200.54
-1.00	200.56	200.56
0.00	200.58	200.58
1.00	200.56	200.56
2.00	200.54	200.54
3.00	200.52	201.13
4.00	200.01	200.98
5.00	199.38	200.78
6.00		200.60
7.00		200.42
8.00		200.27
9.00		200.14
10.00		200.00
11.00		199.62
12.00		199.25
13.00		
14.00		

2+220.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	200.14	
-13.00	200.17	
-12.00	200.23	
-11.00	200.29	
-10.00	200.36	
-9.00	200.43	
-8.00	200.49	
-7.00	200.56	
-6.00	200.63	
-5.00	200.58	199.50
-4.00	200.47	200.14
-3.00	200.54	200.65
-2.00	200.59	200.67
-1.00	200.71	200.69
0.00	200.69	200.71
1.00	200.65	200.69
2.00	200.80	200.67
3.00	200.90	200.65
4.00	201.08	199.50
5.00	200.66	
6.00	200.18	
7.00	200.19	
8.00	200.23	
9.00	200.26	
10.00	200.29	
11.00	200.32	
12.00	200.36	
13.00		
14.00		

2+230.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	200.18	
-13.00	200.25	
-12.00	200.31	
-11.00	200.38	
-10.00	200.44	
-9.00	200.51	
-8.00	200.57	
-7.00	200.63	
-6.00	200.70	
-5.00	200.76	199.60
-4.00	200.83	200.23
-3.00	200.74	200.74
-2.00	200.66	200.76
-1.00	200.55	200.78
0.00	200.55	200.80
1.00	200.57	200.78
2.00	200.58	200.76
3.00	200.59	200.74
4.00	200.66	200.23
5.00	200.94	199.60
6.00	200.77	
7.00	200.78	
8.00	200.80	
9.00	200.82	
10.00	200.83	
11.00	200.85	
12.00	200.87	
13.00	200.88	
14.00	200.90	

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

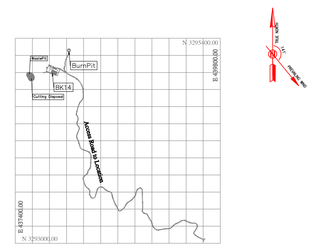
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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.
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. BY	REV. 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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	65 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

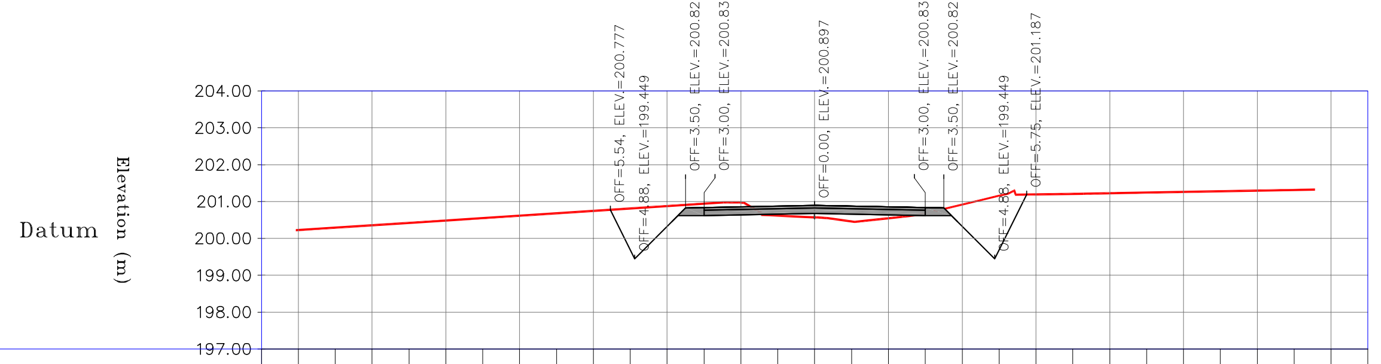
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

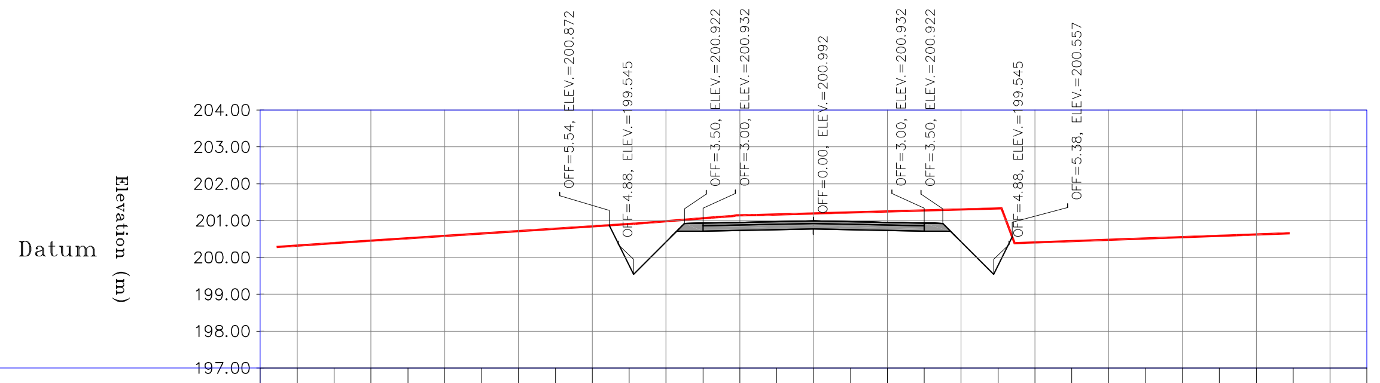
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	65	D02

2+240.00



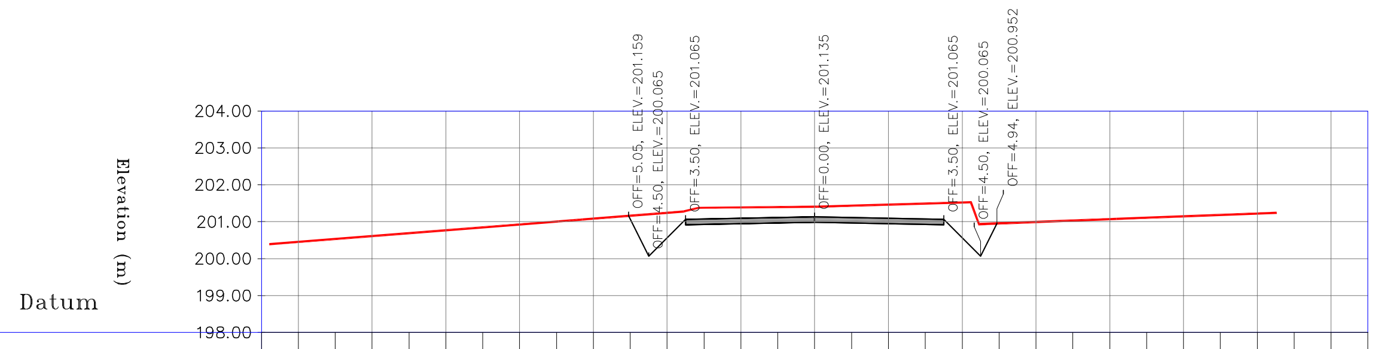
NATURAL GROUND ELEVATION	200.23	200.29	200.36	200.42	200.49	200.55	200.62	200.68	200.75	200.81	200.88	200.94	200.97	200.62	200.57	200.46	200.55	200.68	200.92	201.16	201.19	201.21	201.23	201.25	201.26	201.28	201.30	201.32	
PROJECT ELEVATION										199.69	200.33	200.84	200.86	200.88	200.90	200.88	200.86	200.84	200.33	199.69									
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+250.00



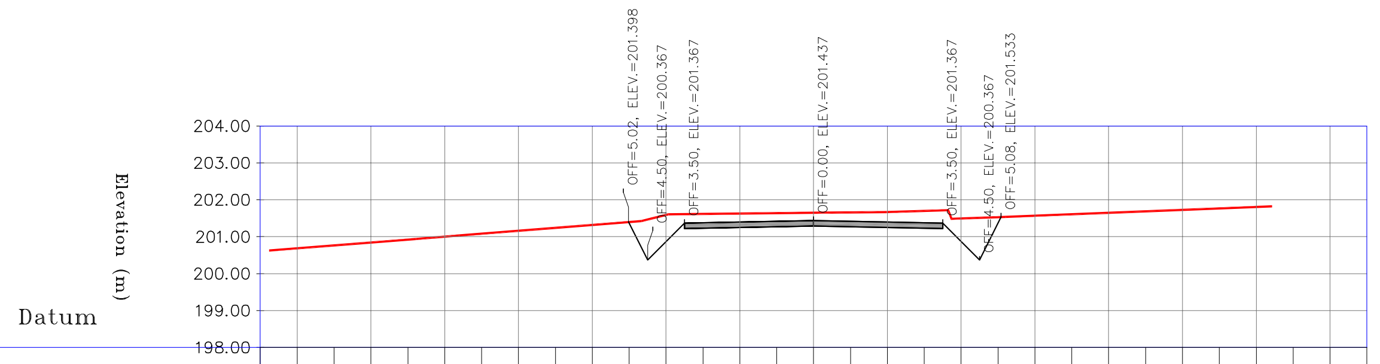
NATURAL GROUND ELEVATION	200.32	200.39	200.45	200.52	200.58	200.65	200.71	200.78	200.84	200.91	200.98	201.06	201.14	201.16	201.19	201.22	201.25	201.27	201.30	201.33	200.40	200.44	200.48	200.51	200.55	200.58	200.62		
PROJECT ELEVATION										200.91	200.42	200.93	200.95	200.97	200.99	200.97	200.95	200.93	200.42	200.32									
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+260.00



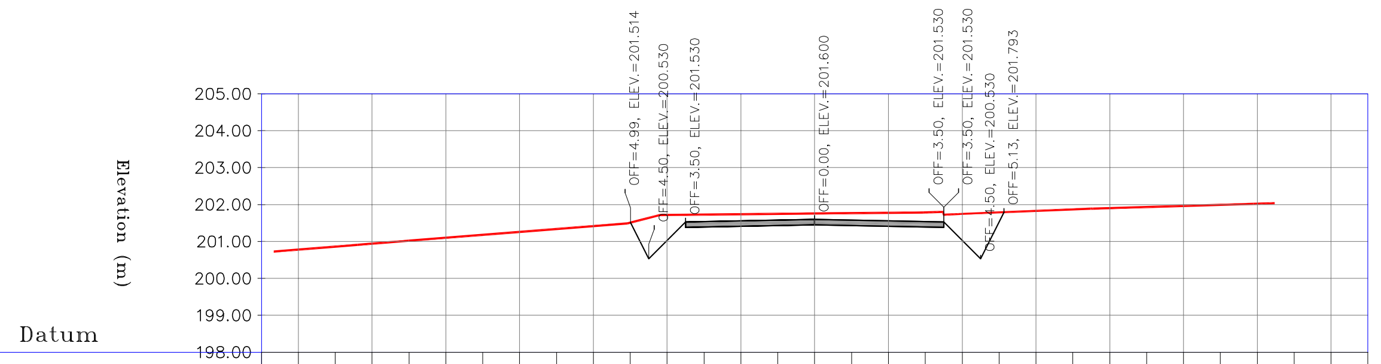
NATURAL GROUND ELEVATION	200.45	200.53	200.61	200.69	200.77	200.85	200.93	201.01	201.08	201.16	201.24	201.38	201.39	201.40	201.41	201.43	201.46	201.49	201.52	200.95	200.99	201.03	201.07	201.10	201.14	201.18	201.22		
PROJECT ELEVATION										201.06	200.56	201.07	201.09	201.11	201.13	201.11	201.09	201.07	200.56										
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+270.00



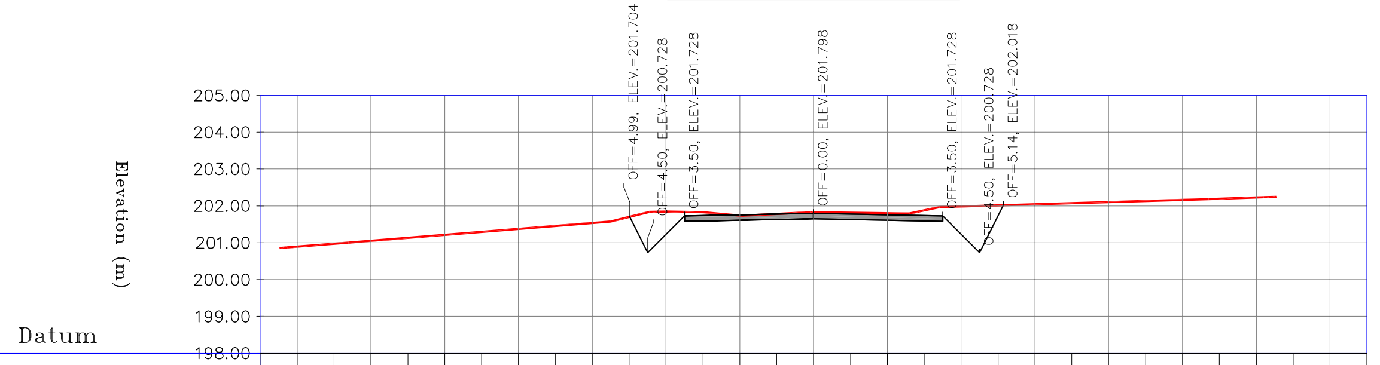
NATURAL GROUND ELEVATION	200.68	200.76	200.84	200.92	201.00	201.08	201.16	201.24	201.32	201.40	201.59	201.62	201.63	201.64	201.65	201.66	201.67	201.70	201.49	201.53	201.57	201.61	201.65	201.69	201.73	201.77	201.80		
PROJECT ELEVATION										201.37	200.87	201.38	201.40	201.42	201.44	201.42	201.40	201.38	200.87	201.37									
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+274.52



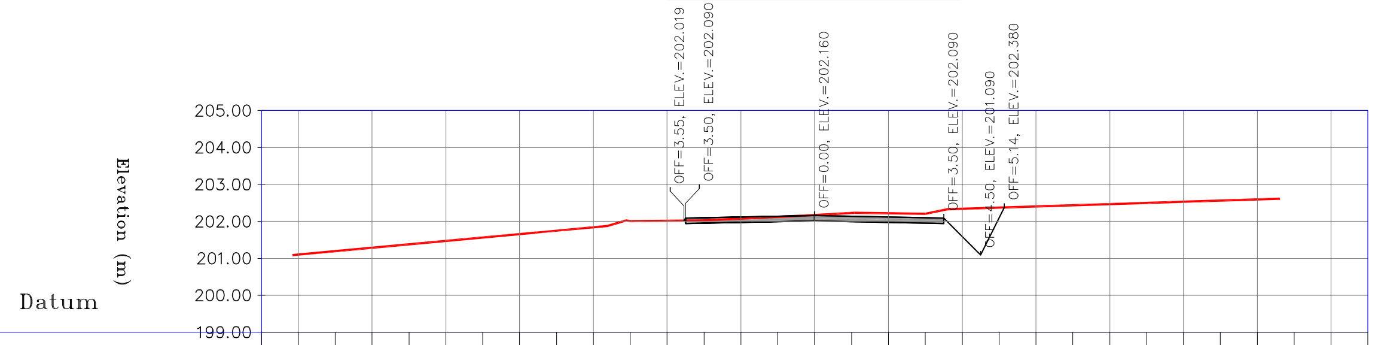
NATURAL GROUND ELEVATION	200.78	200.86	200.94	201.02	201.10	201.18	201.26	201.34	201.42	201.51	201.71	201.72	201.74	201.75	201.76	201.77	201.78	201.79	201.75	201.79	201.83	201.87	201.90	201.93	201.96	201.99	202.02		
PROJECT ELEVATION											201.03	201.54	201.56	201.58	201.60	201.58	201.56	201.54	201.03	201.53									
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+280.00



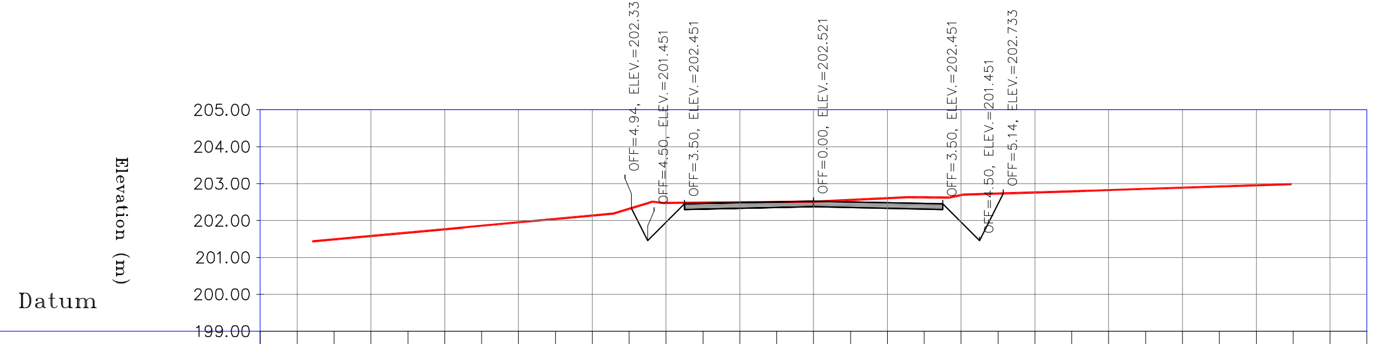
NATURAL GROUND ELEVATION	200.90	200.97	201.05	201.13	201.21	201.29	201.37	201.45	201.53	201.70	201.84	201.83	201.74	201.78	201.83	201.81	201.80	201.88	201.98	202.01	202.04	202.07	202.10	202.14	202.17	202.20	202.23		
PROJECT ELEVATION											201.23	201.74	201.76	201.78	201.80	201.78	201.76	201.74	201.23	201.73									
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

2+290.00



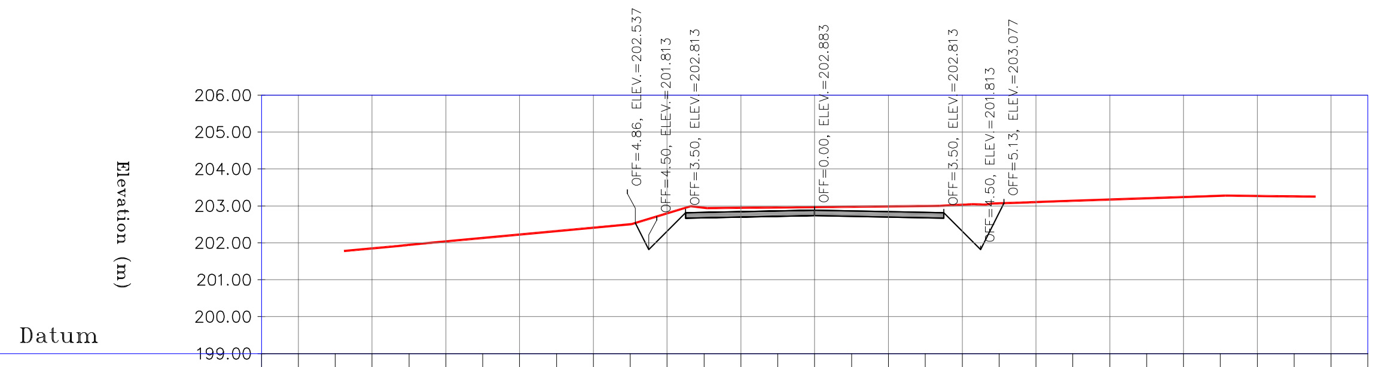
NATURAL GROUND ELEVATION	201.10	201.20	201.29	201.38	201.47	201.56	201.66	201.75	201.84	202.01	202.02	202.02	202.07	202.12	202.17	202.23	202.22	202.21	202.34	202.38	202.41	202.44	202.47	202.50	202.53	202.56	202.59		
PROJECT ELEVATION												202.10	202.12	202.14	202.16	202.14	202.12	202.10	201.59	202.09									
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

2+300.00



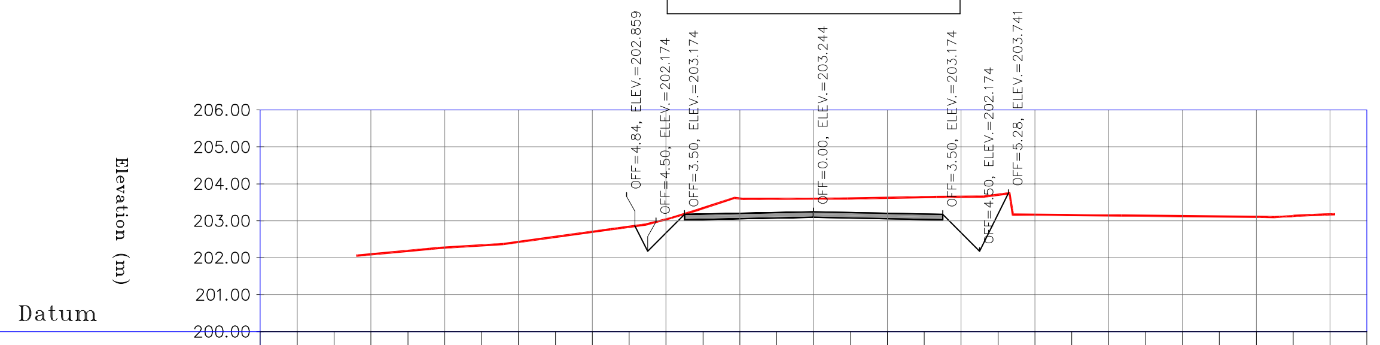
NATURAL GROUND ELEVATION		201.49	201.58	201.67	201.77	201.86	201.95	202.04	202.14	202.32	202.48	202.48	202.49	202.50	202.51	202.56	202.61	202.63	202.69	202.73	202.76	202.79	202.82	202.86	202.89	202.92	202.95		
PROJECT ELEVATION											201.95	202.46	202.48	202.50	202.52	202.50	202.48	202.46	201.95	202.45									
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											202.31	202.82	202.84	202.86	202.88	202.86	202.84	202.82	202.31	202.81									
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

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	203.17	203.16	203.15	203.14	203.13	203.12	203.11	203.13	203.17
PROJECT ELEVATION											202.67	203.18	203.20	203.22	203.24	203.22	203.20	203.18	202.67	203.17									
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

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

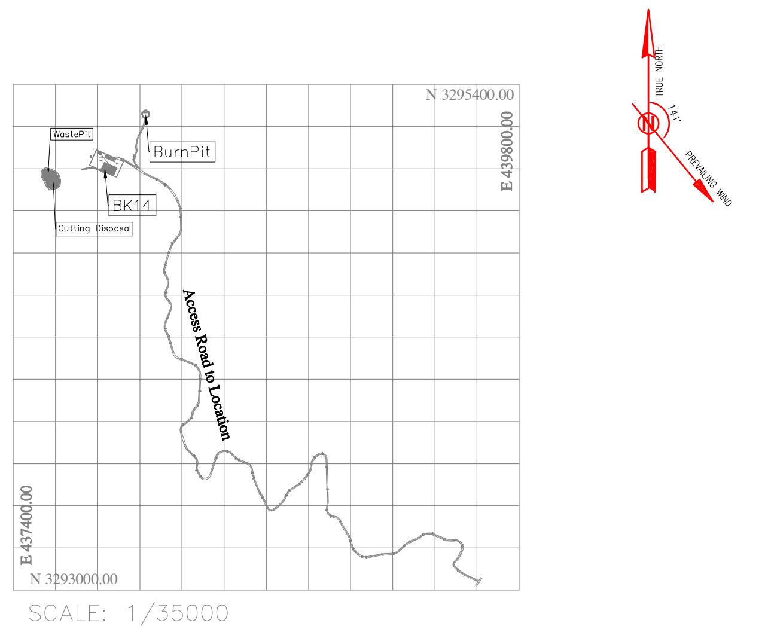
⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
□	SITE	◄	WATER COURSE
□	CAMP SITE	≋ 60 50	CONTOURS
—	ASPHALT ROAD	99.27	SPOT HEIGHT
—	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD	═	BRIDGE
∿	DAYLIGHT	‖	CULVERT

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

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.	

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
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.

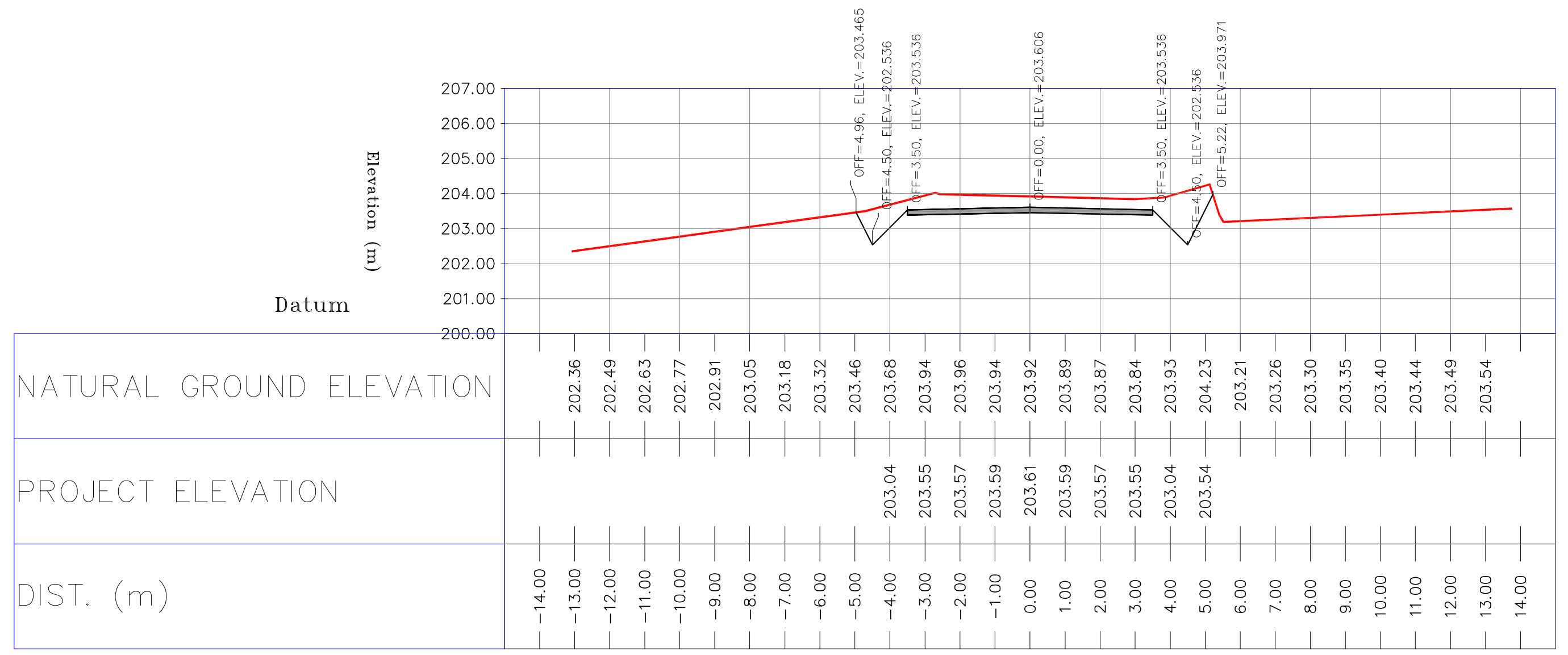
DRAWING TITLE:
CIVIL AND STRUCTURAL DRAWINGS - BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

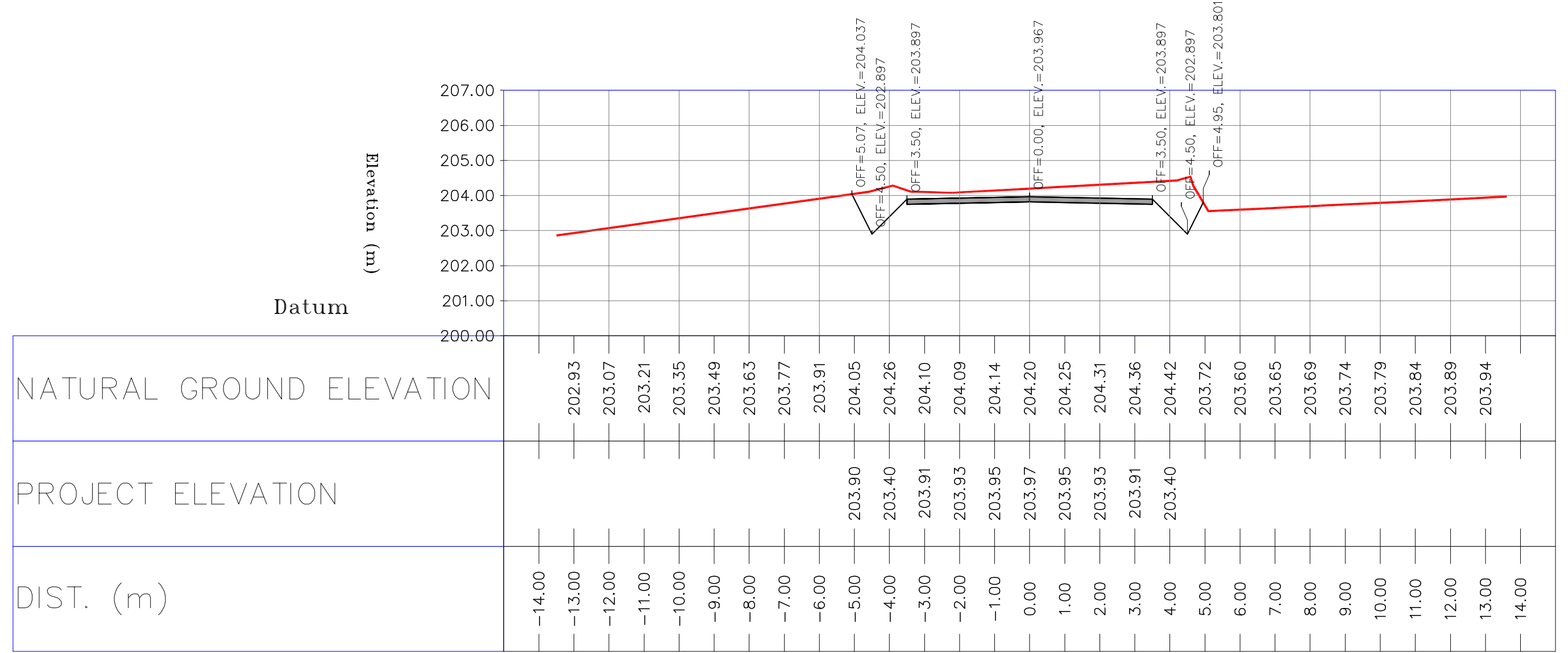
APPROVED FOR CONSTRUCTION BY: DATE:

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	66 OF 103	D01	053-073-9184	F	4	S	708209	66	D02

2+330.00



2+340.00



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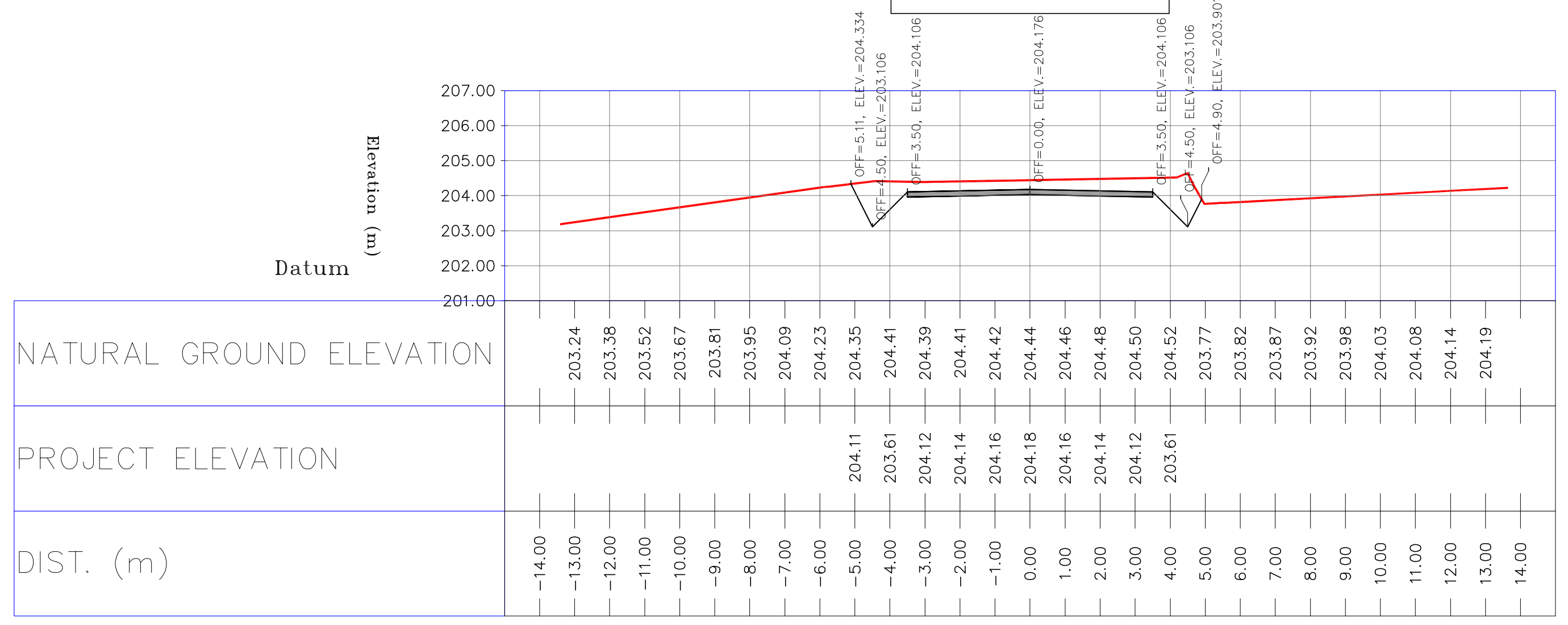

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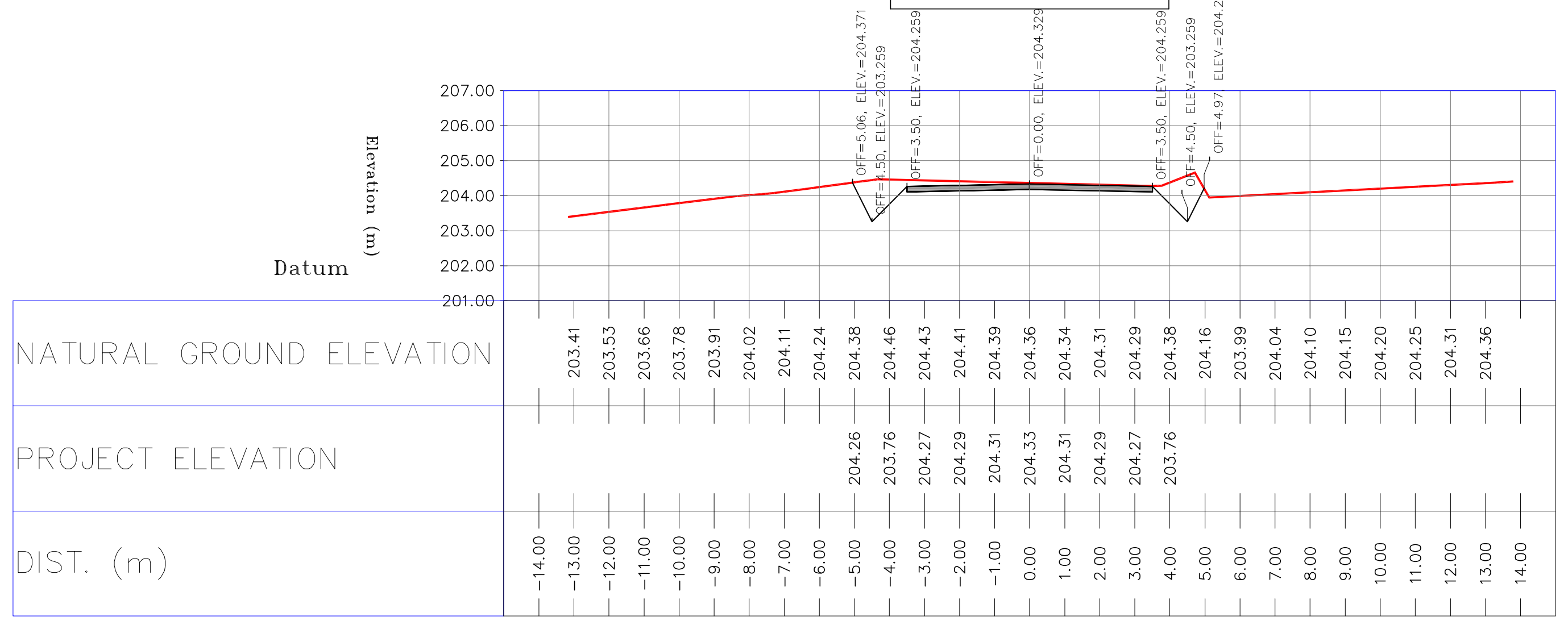

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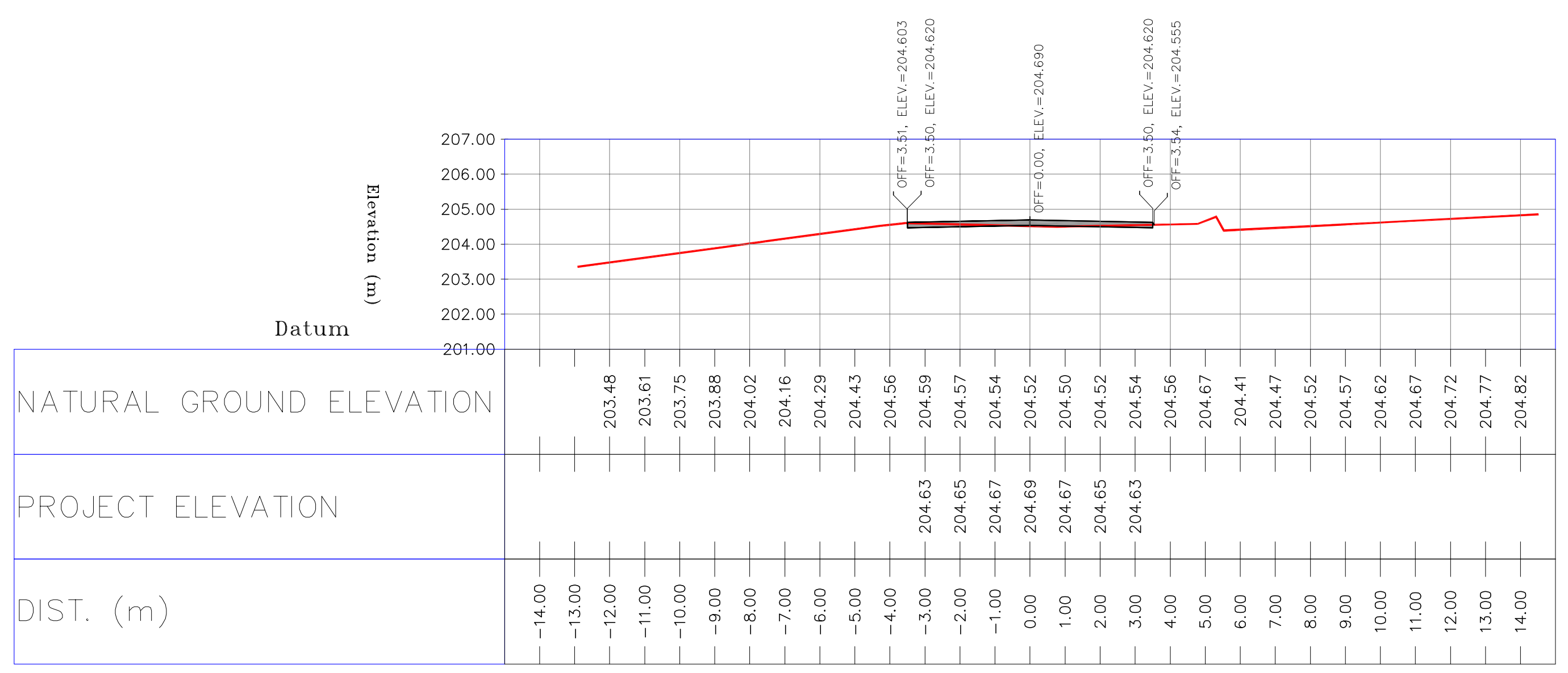

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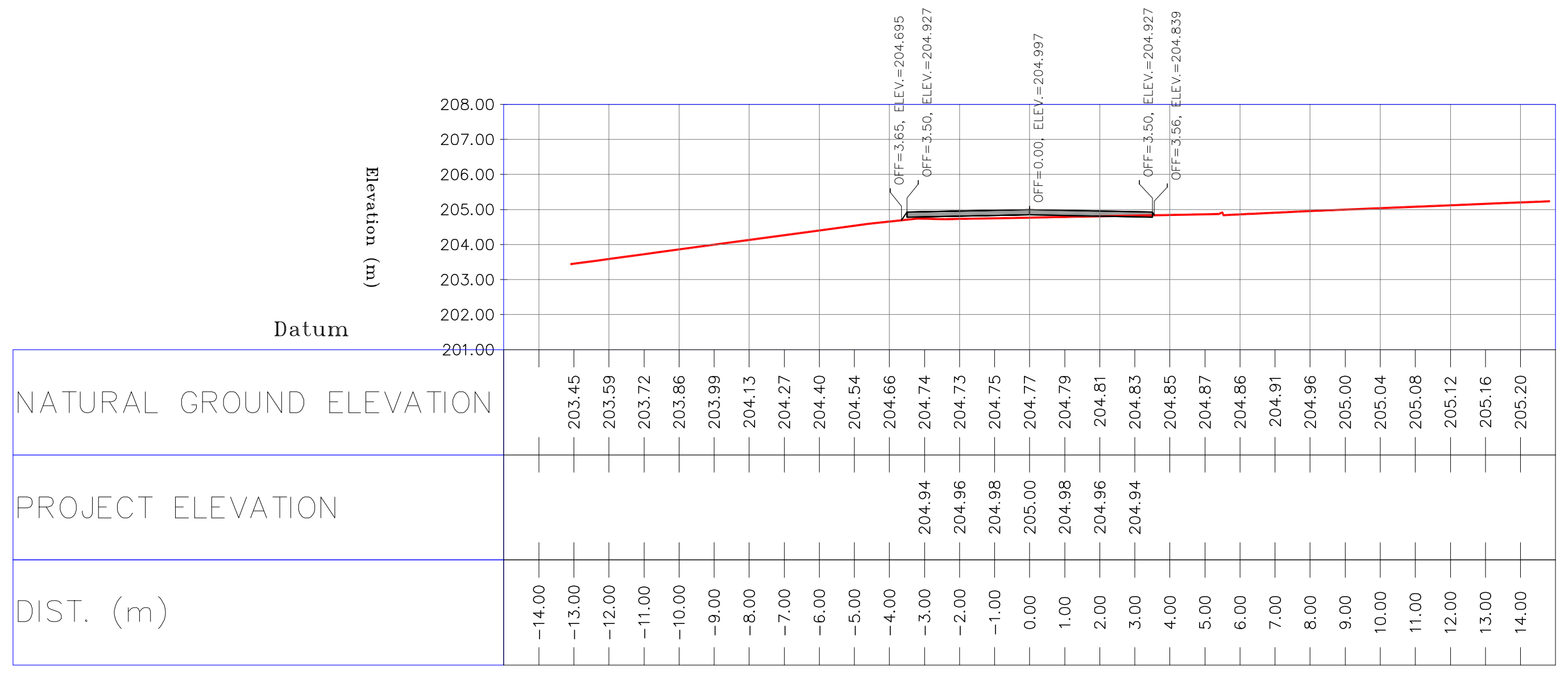

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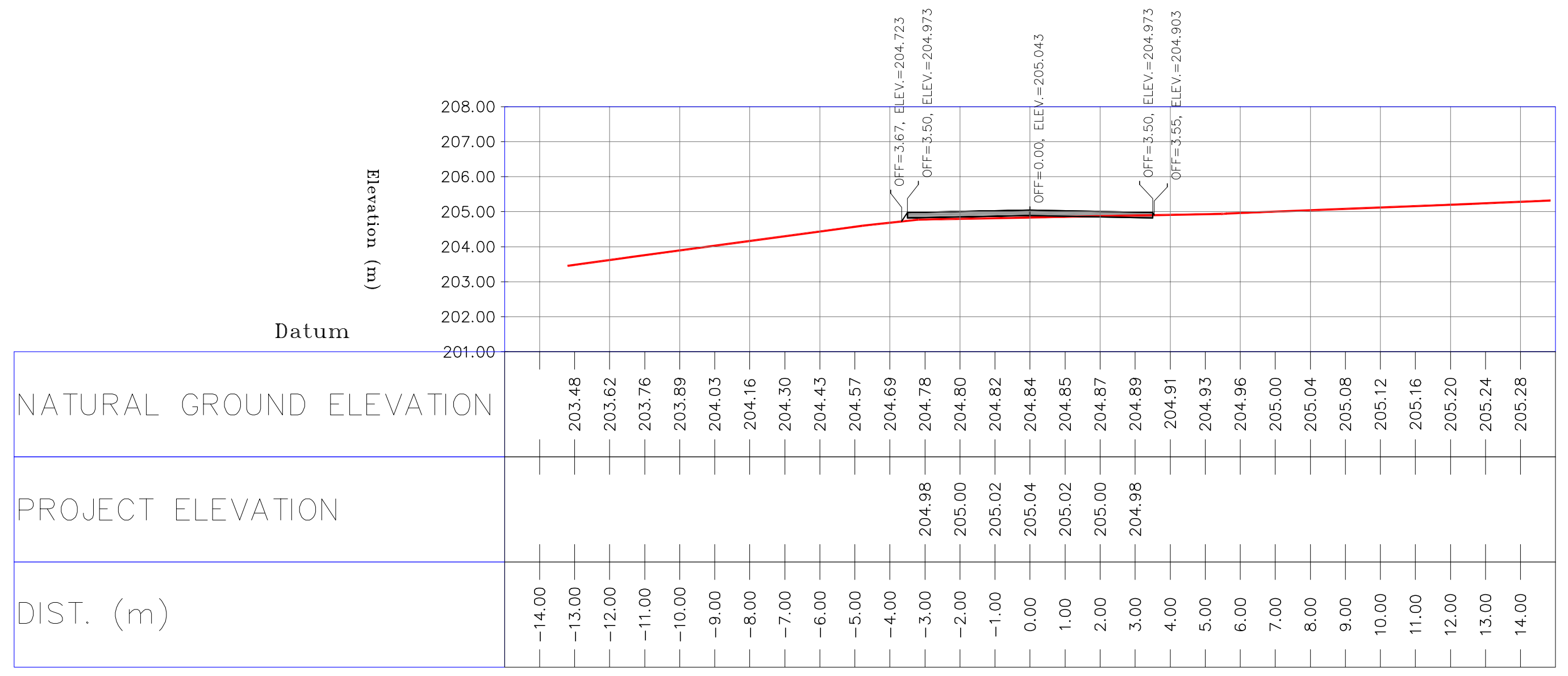

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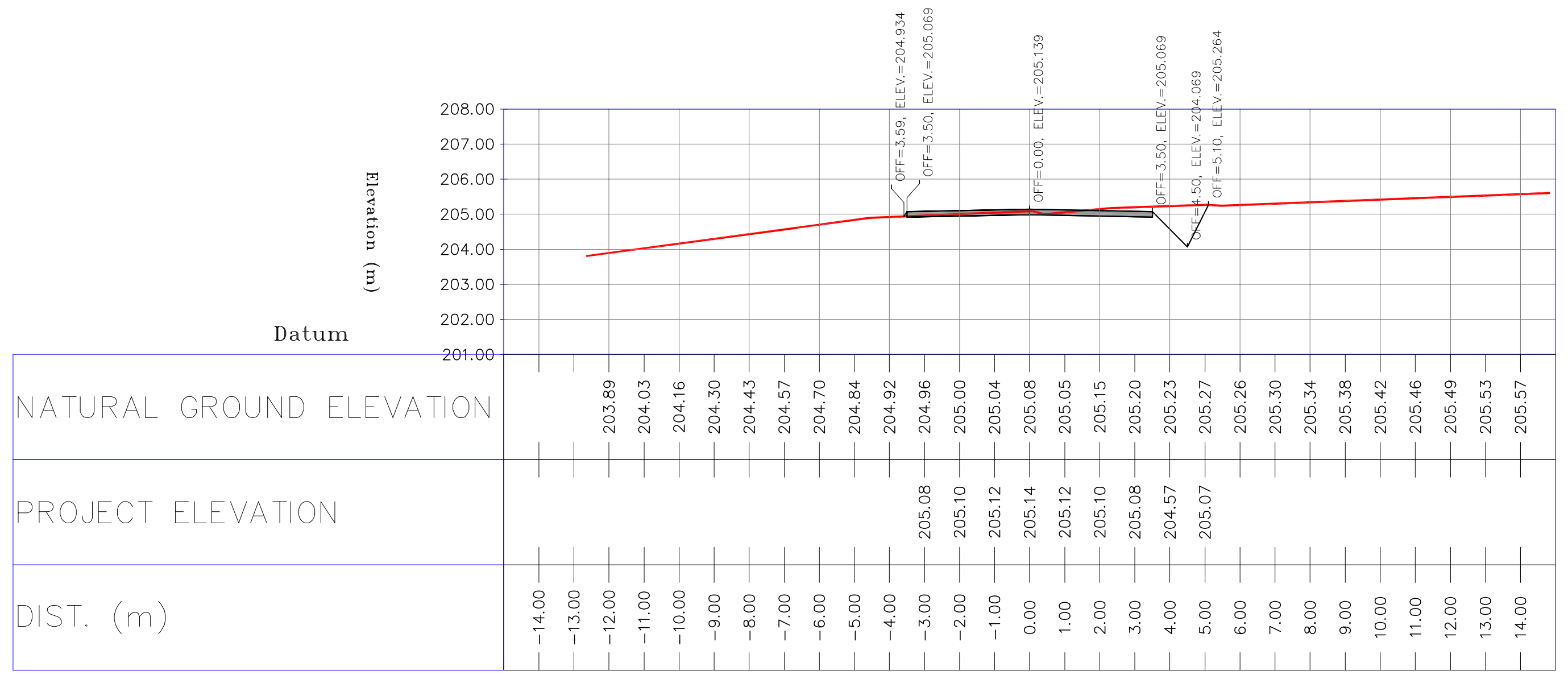

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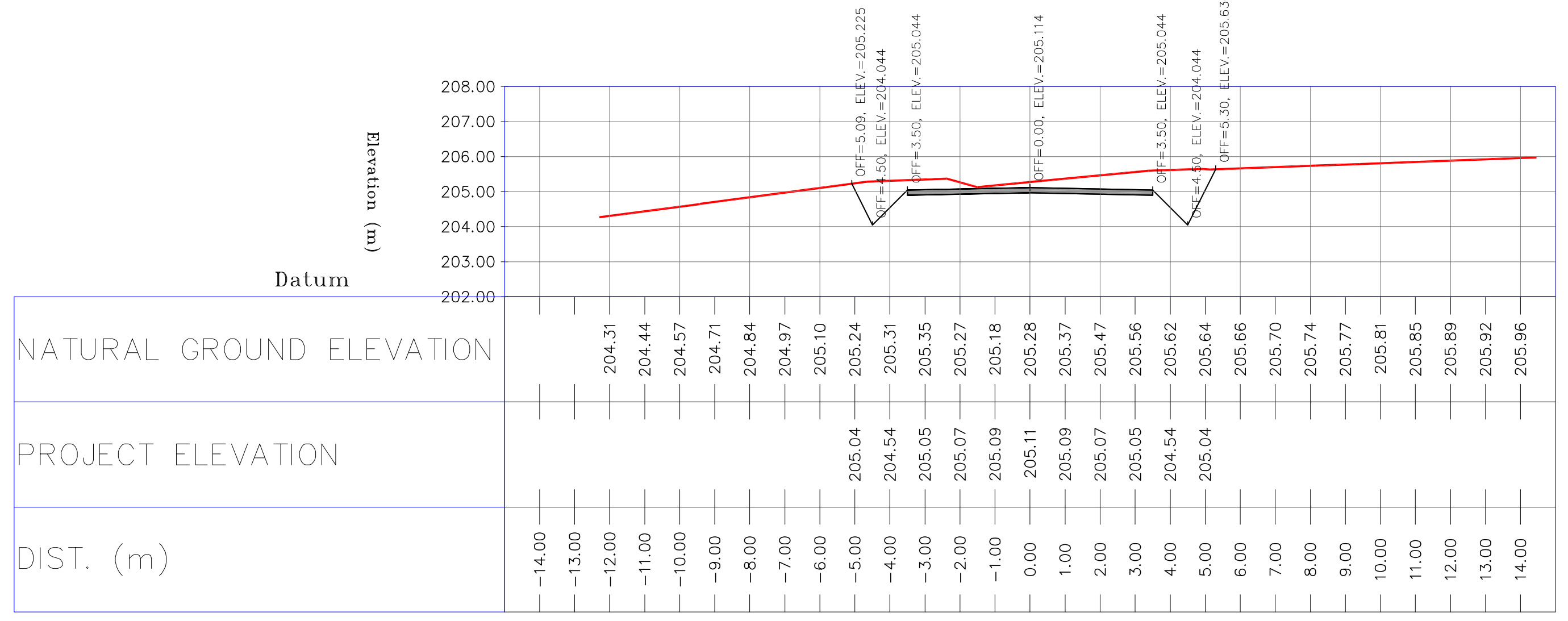

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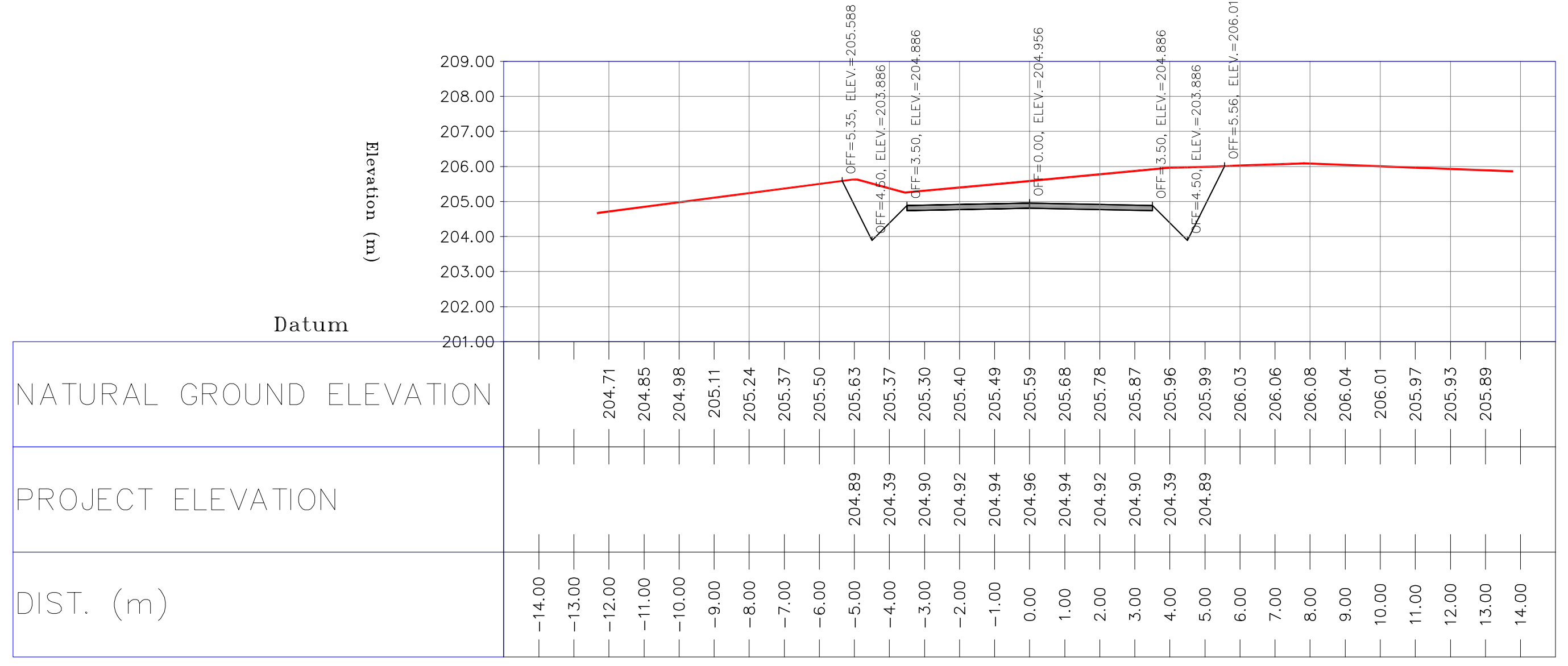

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⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
▭	SITE	◄	WATER COURSE
🟥	CAMP SITE	60 / 50	CONTOURS
━	ASPHALT ROAD	99.27	SPOT HEIGHT
━	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD	≠	BRIDGE
~	DAYLIGHT	╫	CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout -BK14	BK-BK14-PEDCO-110-CV-PY-0001
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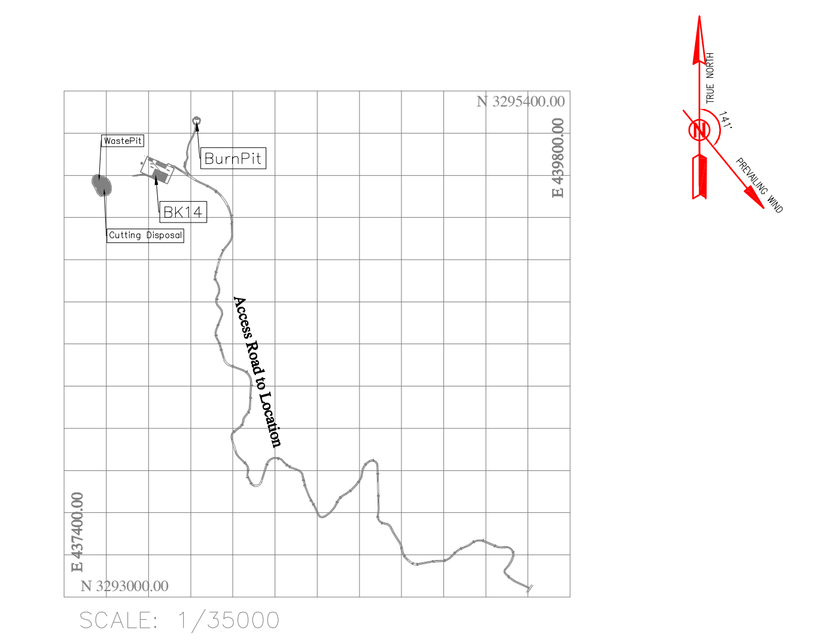
KEY PLAN



SCALE: 1/35000

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
***	**********	**.**	***.****	**.**	***.****

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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
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.

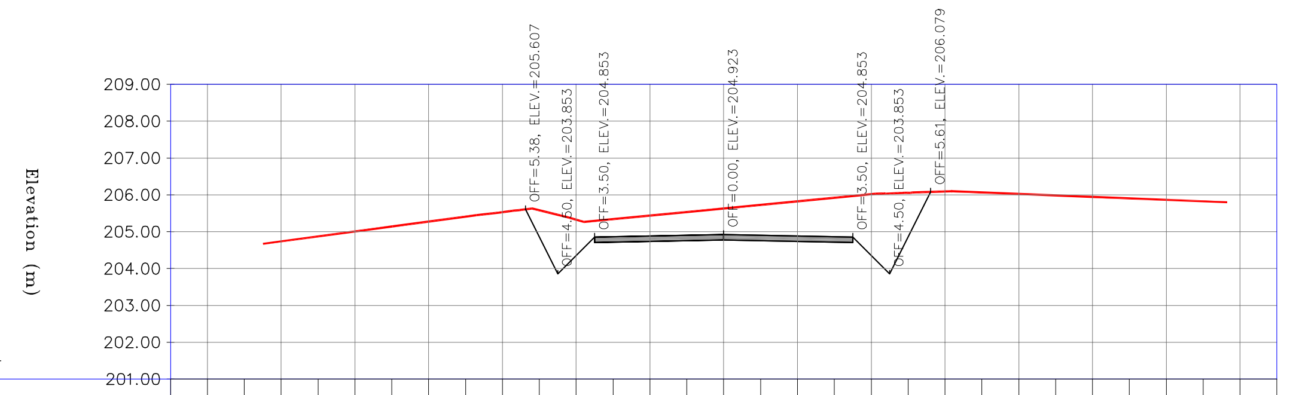
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

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

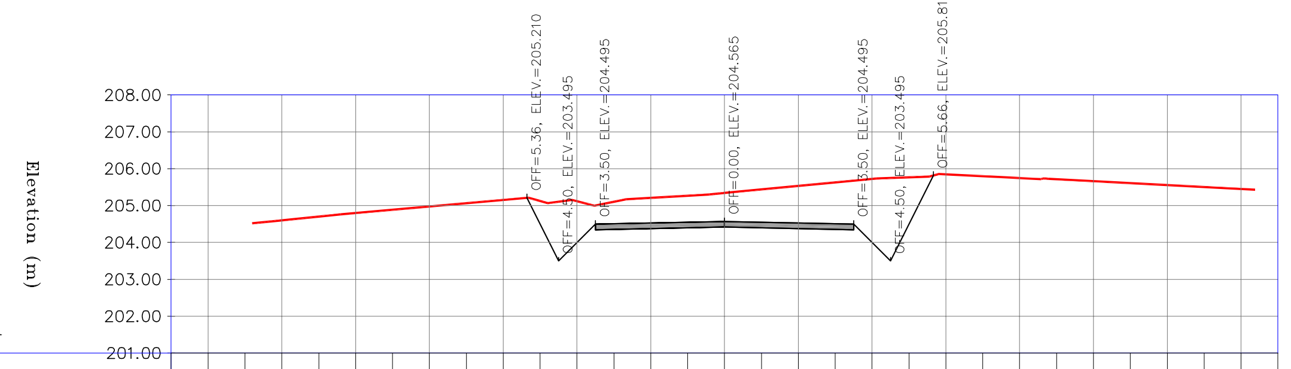
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	67 OF 103	D01	053-073-9184	F	4	S	708209	67	D02

2+400.00



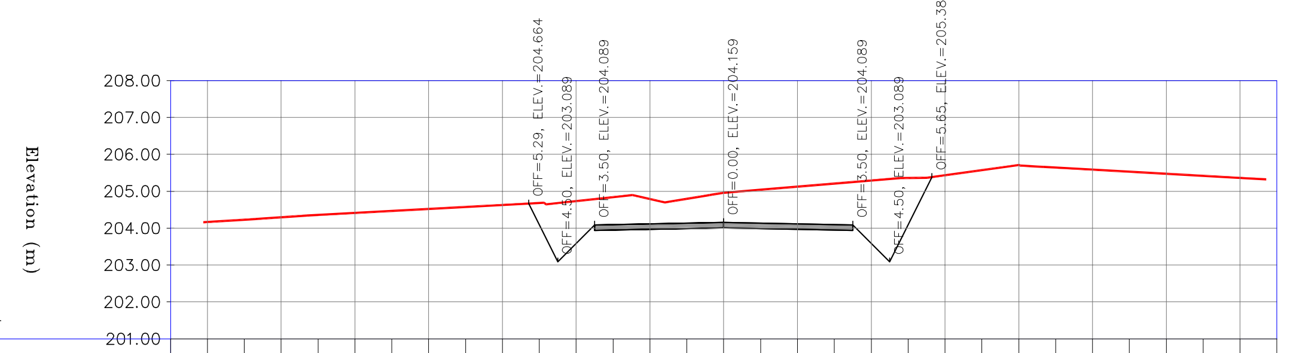
NATURAL GROUND ELEVATION			204.74	204.87	205.00	205.14	205.27	205.41	205.53	205.58	205.33	205.34	205.44	205.53	205.63	205.73	205.82	205.92	206.02	206.06	206.09	206.07	206.03	205.99	205.95	205.91	205.87	205.83	
PROJECT ELEVATION										204.85	204.35	204.86	204.88	204.90	204.92	204.90	204.88	204.86	204.35	204.85									
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+410.00



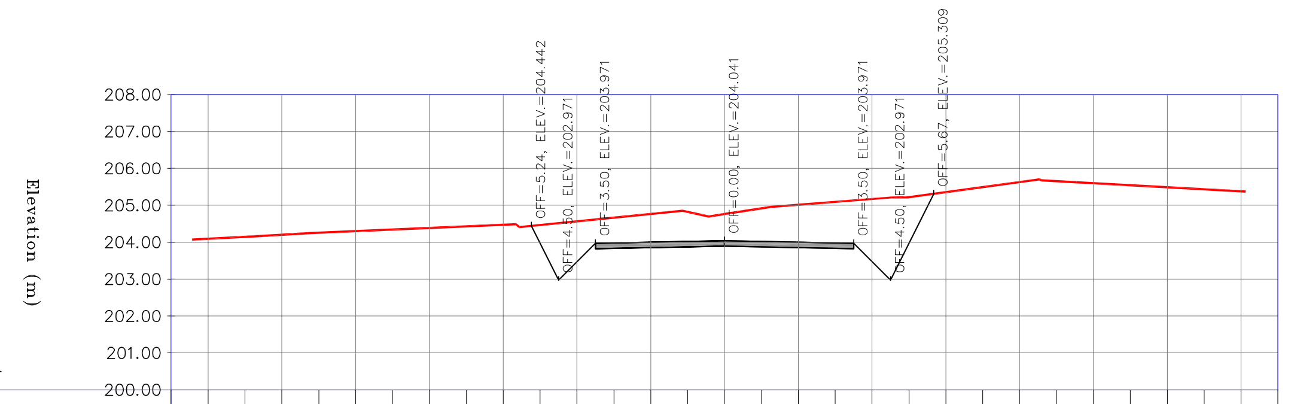
NATURAL GROUND ELEVATION			204.60	204.70	204.80	204.88	204.97	205.06	205.15	205.13	205.12	205.10	205.21	205.27	205.34	205.44	205.53	205.63	205.72	205.77	205.85	205.80	205.75	205.72	205.66	205.61	205.56	205.50	205.45
PROJECT ELEVATION										204.50	204.00	204.51	204.53	204.55	204.57	204.55	204.53	204.51	204.00	204.50									
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

2+417.99



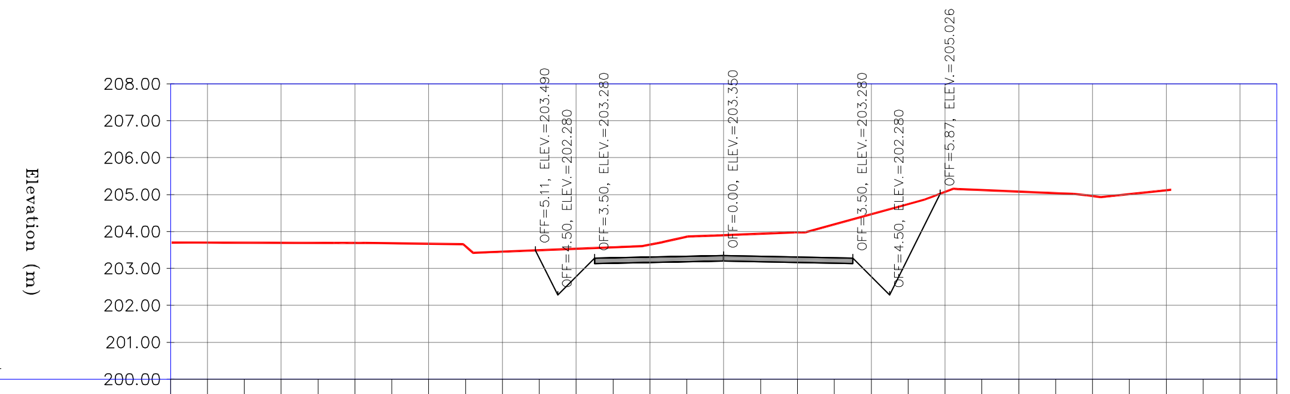
NATURAL GROUND ELEVATION	204.17	204.23	204.29	204.36	204.41	204.46	204.52	204.57	204.63	204.68	204.73	204.84	204.79	204.80	204.96	205.04	205.13	205.21	205.29	205.36	205.43	205.57	205.71	205.64	205.59	205.53	205.48	205.42	205.36
PROJECT ELEVATION										204.09	203.59	204.10	204.12	204.14	204.16	204.14	204.12	204.10	203.59	204.09									
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

2+420.00



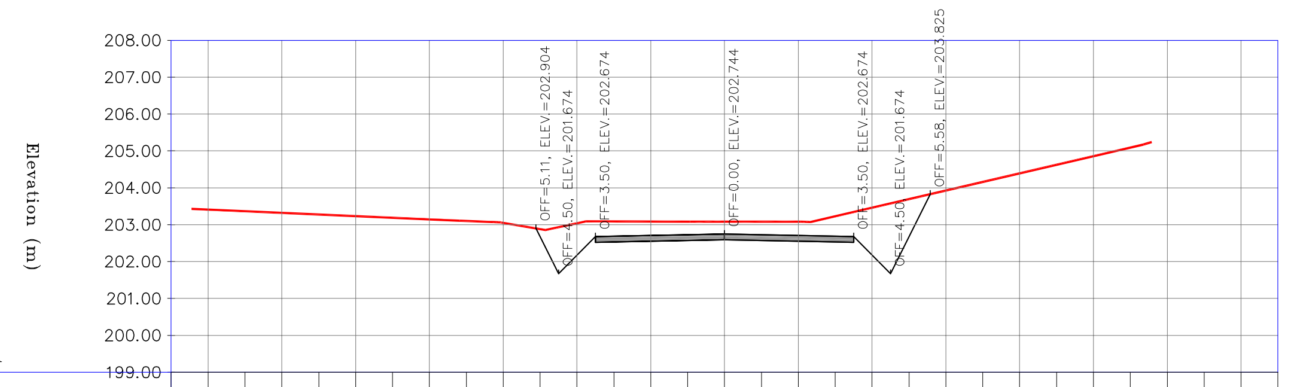
NATURAL GROUND ELEVATION	204.09	204.15	204.20	204.25	204.30	204.34	204.38	204.43	204.47	204.47	204.57	204.67	204.76	204.82	204.76	204.92	205.02	205.09	205.17	205.22	205.35	205.49	205.63	205.65	205.60	205.54	205.49	205.43	205.38
PROJECT ELEVATION										203.97	203.47	203.98	204.00	204.02	204.04	204.02	204.00	203.98	203.47	203.97									
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

2+430.00



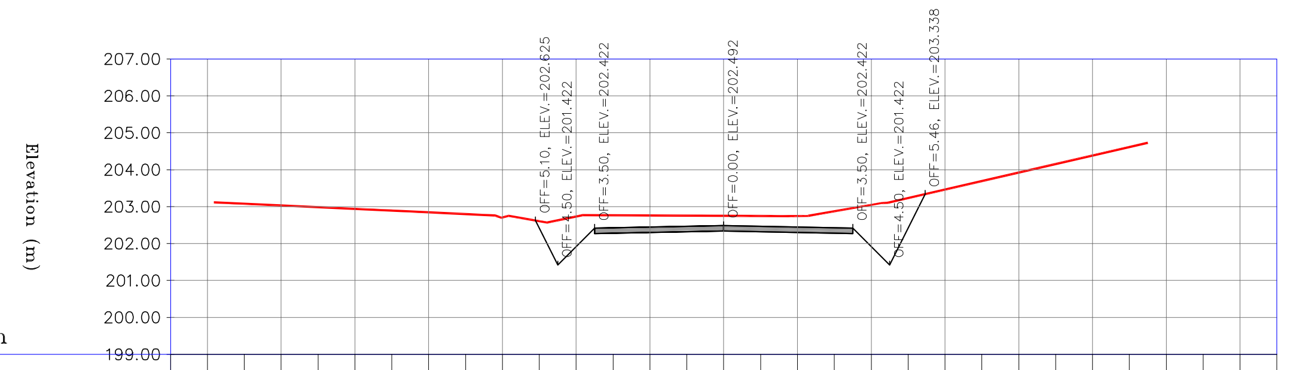
NATURAL GROUND ELEVATION	203.70	203.70	203.69	203.69	203.69	203.68	203.67	203.60	203.46	203.49	203.53	203.57	203.64	203.86	203.90	203.94	203.98	204.20	204.47	204.74	205.07	205.12	205.08	205.04	204.96	205.02	205.12		
PROJECT ELEVATION										203.28	202.78	203.29	203.31	203.33	203.35	203.33	203.31	203.29	202.78	203.28									
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

2+437.25



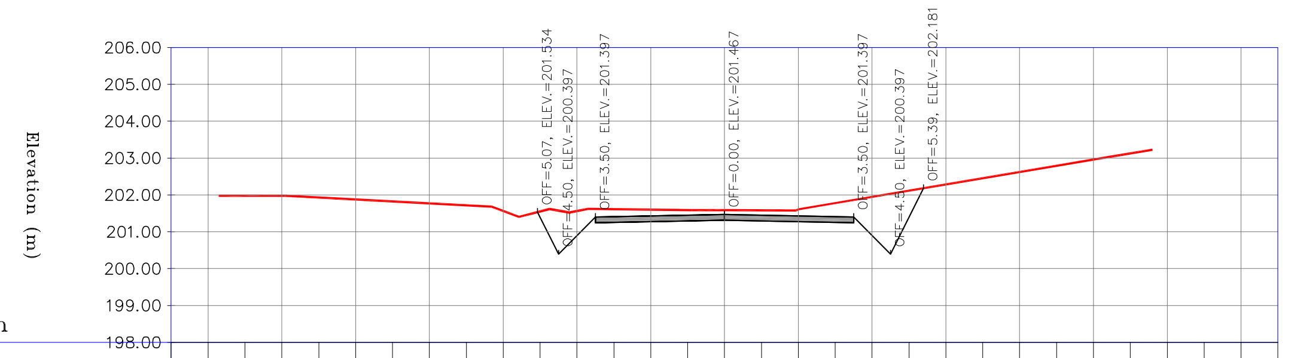
NATURAL GROUND ELEVATION	203.41	203.37	203.32	203.28	203.24	203.19	203.15	203.10	203.05	202.88	203.04	203.09	203.08	203.08	203.08	203.08	203.08	203.22	203.46	203.69	203.92	204.16	204.39	204.62	204.86	205.09			
PROJECT ELEVATION										202.67	202.17	202.68	202.70	202.72	202.74	202.72	202.70	202.68	202.17	202.67									
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+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										202.42	201.92	202.43	202.45	202.47	202.49	202.47	202.45	202.43	201.92	202.42									
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	201.56	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										201.40	200.90	201.41	201.43	201.45	201.47	201.45	201.43	201.41	200.90	201.40									
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.

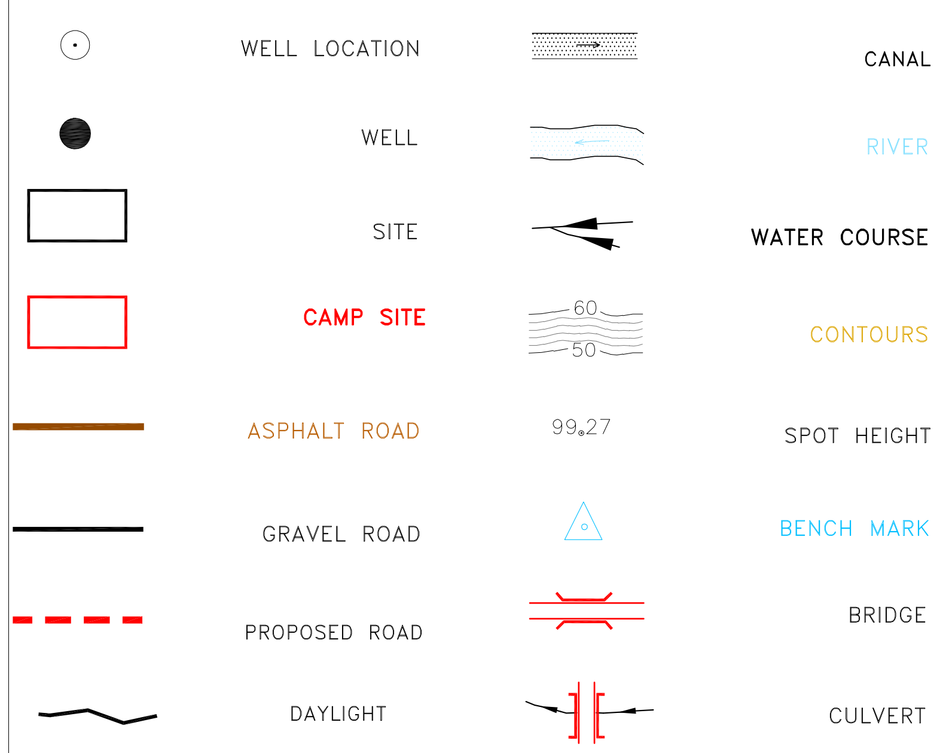
3–GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

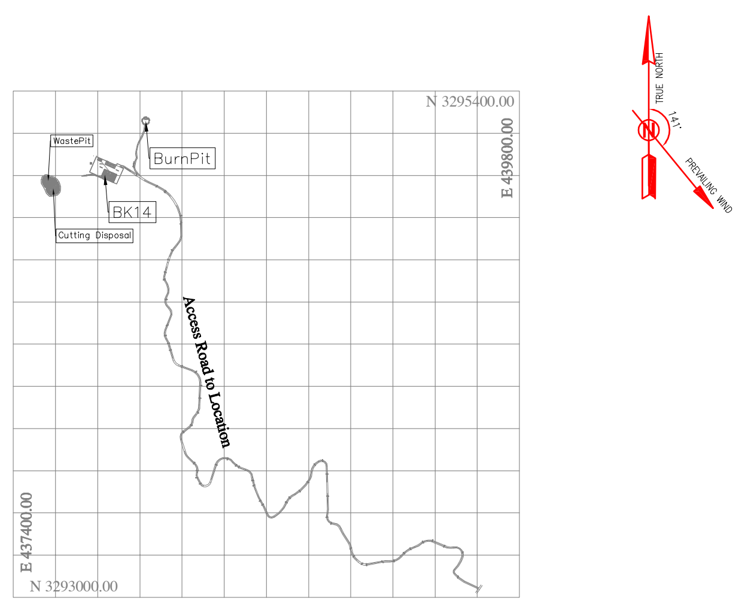


REFERENCE DRAWING	DRG. No.
General Civil Layout –BK14	BK–BK14–PEDCO–110–CV–PY–0001
Rough Grading Plan–BK14	BK–BK14–PEDCO–110–CV–PY–0003
Specification For Earth Work	BK–GNRAL–PEDCO–000–CV–SP–0004
Standard Drawing For Slope Protection Details	BK–GNRAL–PEDCO–000–CV–DW–0002
Geotechnical Investigation Report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

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.	

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

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.

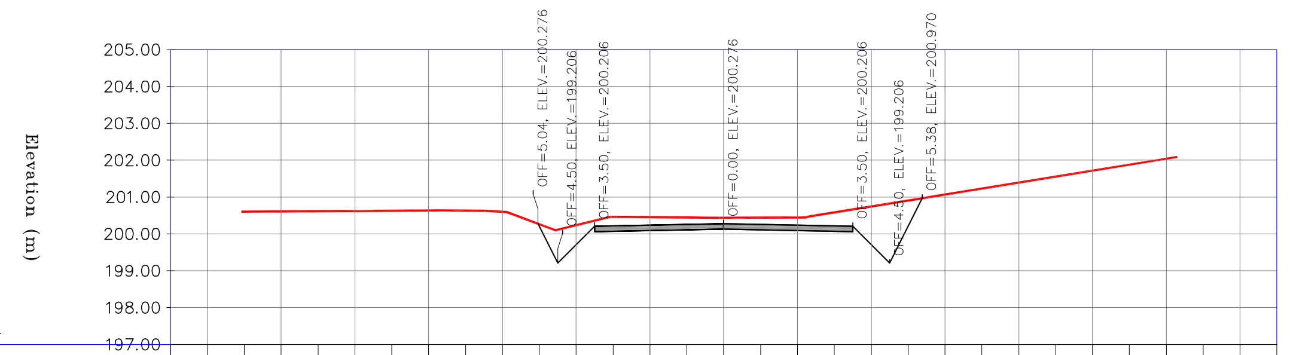
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

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

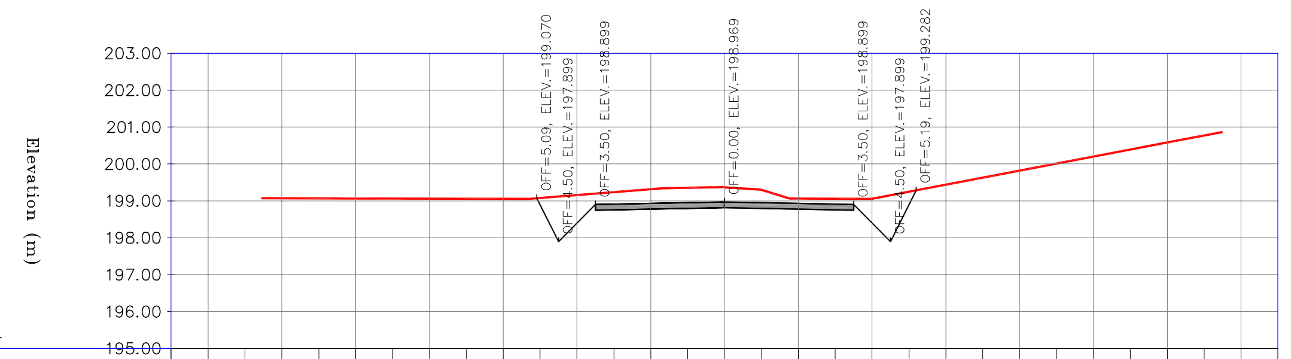
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	68 OF 103	D01	053–073–9184	F	4	S	708209	68	D02

2+460.00



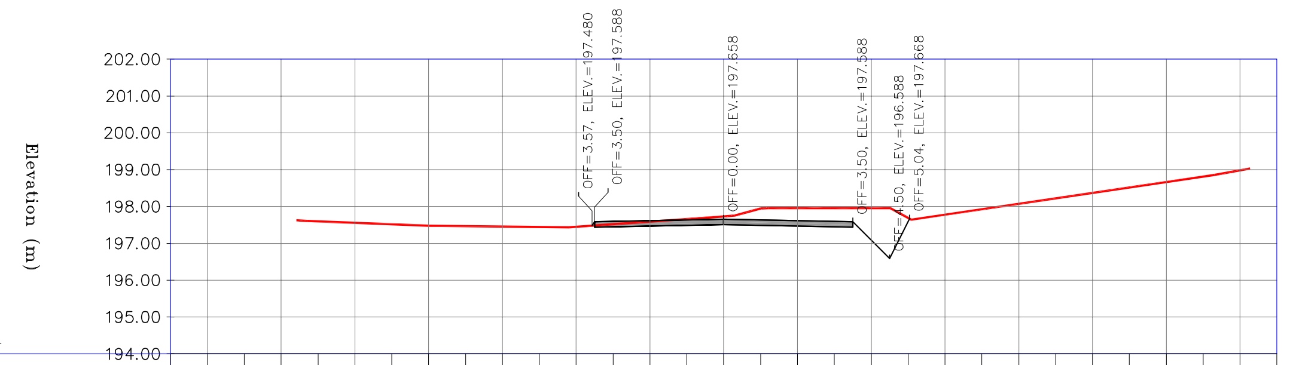
NATURAL GROUND ELEVATION		200.60	200.61	200.62	200.63	200.63	200.64	200.63	200.60	200.26	200.24	200.47	200.46	200.45	200.44	200.44	200.44	200.58	200.75	200.91	201.07	201.23	201.39	201.56	201.72	201.88	202.04		
PROJECT ELEVATION										200.21	199.71	200.22	200.24	200.26	200.28	200.26	200.24	200.22	199.71	200.21									
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+470.00



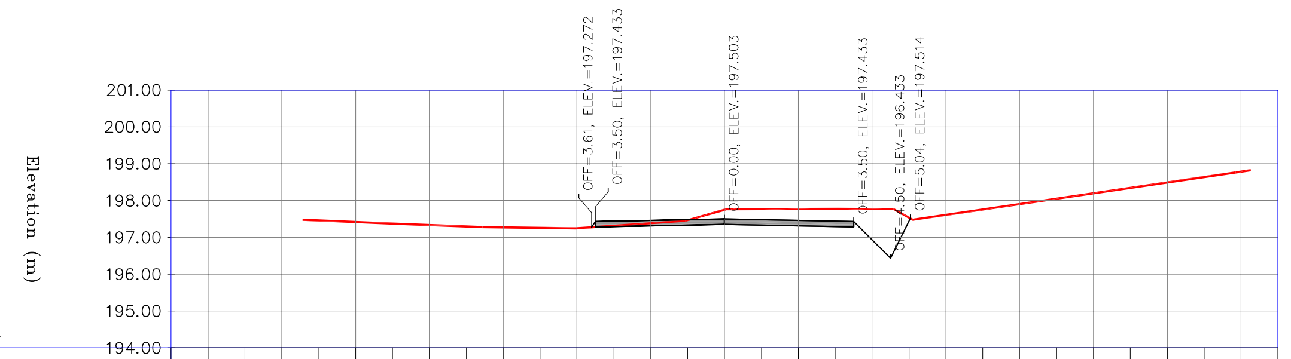
NATURAL GROUND ELEVATION			199.07	199.07	199.06	199.06	199.06	199.06	199.05	199.08	199.16	199.24	199.32	199.35	199.37	199.29	199.06	199.06	199.05	199.25	199.44	199.63	199.82	200.01	200.20	200.39	200.58	200.77	
PROJECT ELEVATION										198.90	198.40	198.91	198.93	198.95	198.97	198.95	198.93	198.91	198.40	198.90									
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+480.00



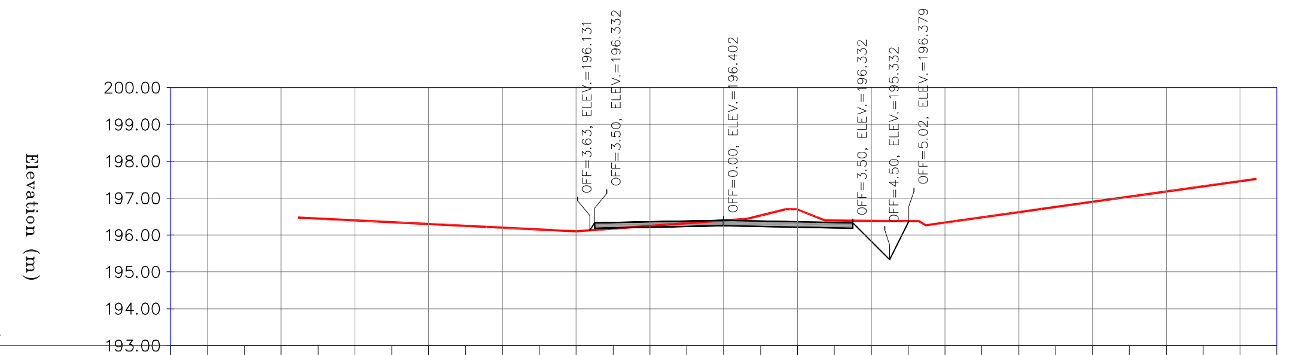
NATURAL GROUND ELEVATION				197.60	197.56	197.52	197.48	197.47	197.46	197.45	197.45	197.52	197.59	197.66	197.73	197.95	197.96	197.96	197.96	197.69	197.78	197.92	198.07	198.22	198.37	198.52	198.66	198.81	198.98
PROJECT ELEVATION												197.60	197.62	197.64	197.66	197.64	197.62	197.60	197.09	197.59									
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+481.19



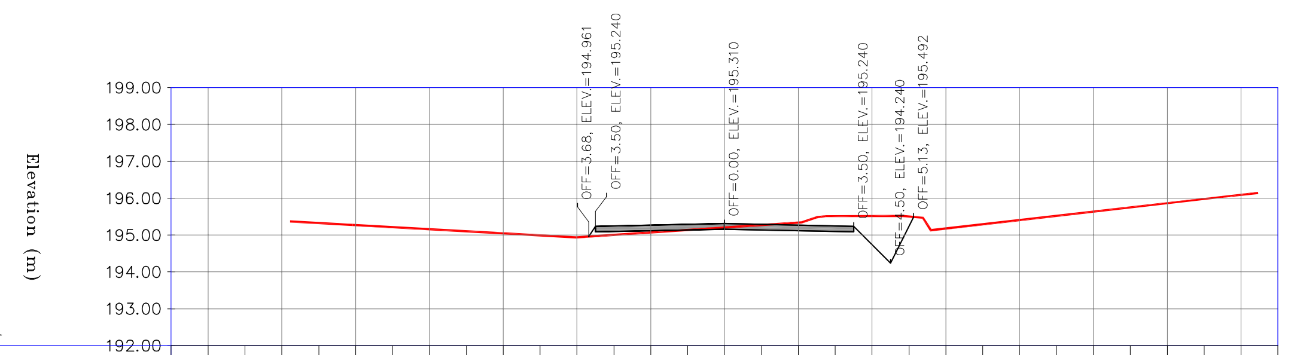
NATURAL GROUND ELEVATION				197.46	197.42	197.37	197.33	197.29	197.27	197.26	197.25	197.31	197.38	197.47	197.75	197.77	197.77	197.77	197.77	197.54	197.61	197.76	197.90	198.05	198.20	198.35	198.49	198.64	198.79
PROJECT ELEVATION												197.44	197.46	197.48	197.50	197.48	197.46	197.44	196.93	197.43									
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+490.00



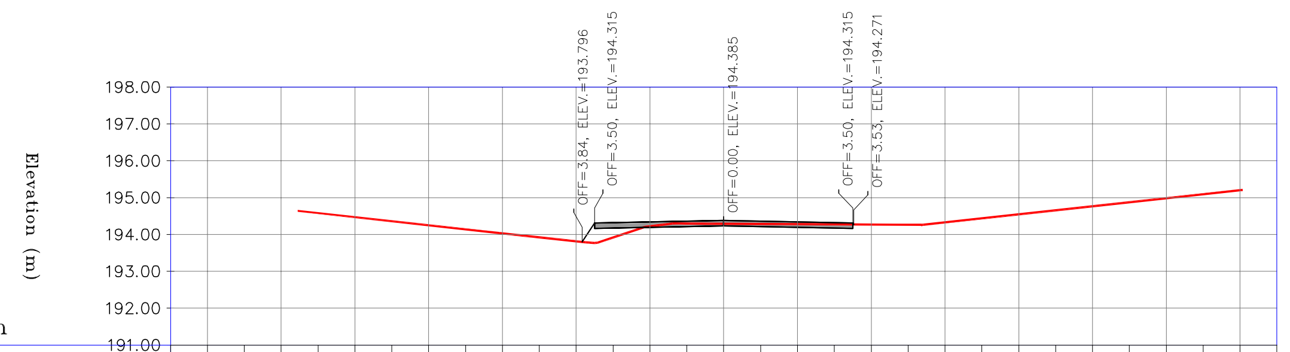
NATURAL GROUND ELEVATION				196.45	196.40	196.35	196.30	196.25	196.20	196.15	196.11	196.18	196.25	196.32	196.40	196.53	196.69	196.39	196.39	196.38	196.34	196.48	196.62	196.76	196.90	197.04	197.18	197.32	197.46
PROJECT ELEVATION												196.34	196.36	196.38	196.40	196.38	196.36	196.34	195.83	196.33									
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



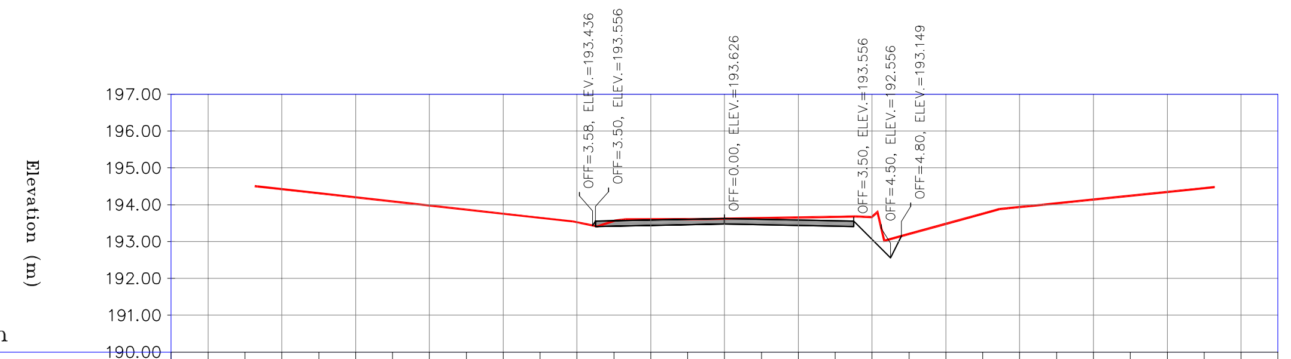
NATURAL GROUND ELEVATION				195.33	195.27	195.22	195.16	195.11	195.05	194.99	194.94	195.01	195.07	195.14	195.21	195.27	195.34	195.51	195.51	195.50	195.18	195.29	195.41	195.52	195.64	195.75	195.87	195.98	196.09
PROJECT ELEVATION												195.25	195.27	195.29	195.31	195.29	195.27	195.25	194.74	195.24									
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+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	194.29	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	193.06										
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.

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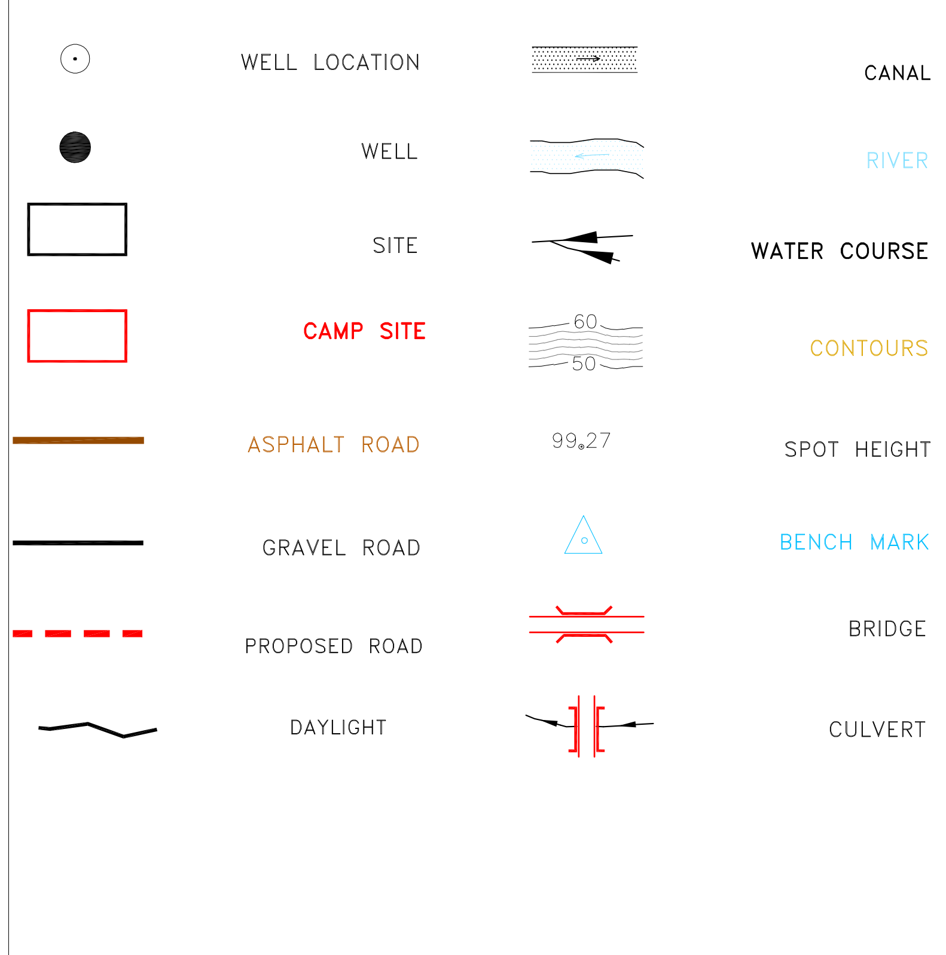
3–GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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.

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

LEGEND

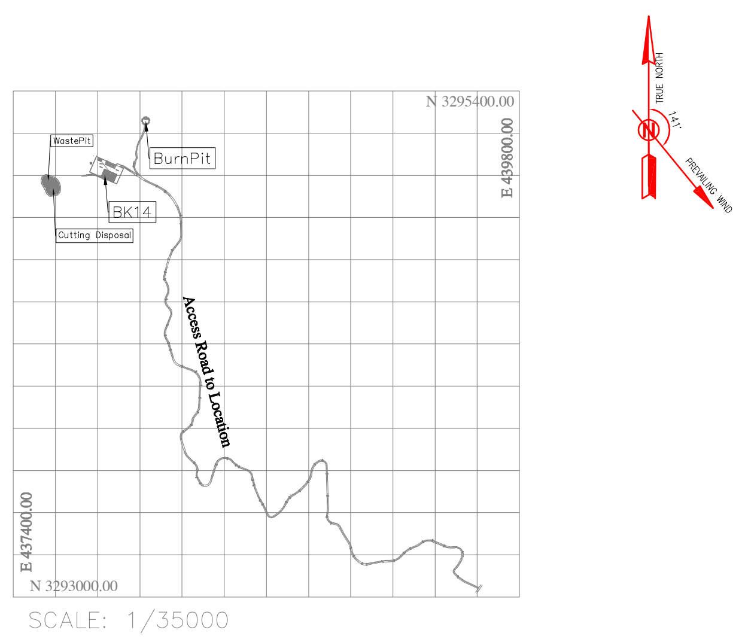


REFERENCE DRAWING	DRG. No.
General Civil Layout –BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan–BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report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

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.	

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):
PEDCO
PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

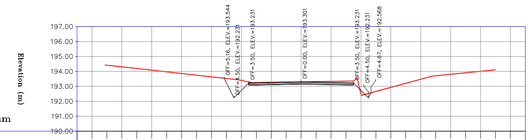
DRAWING TITLE:
CIVIL AND STRUCTURAL DRAWINGS – BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

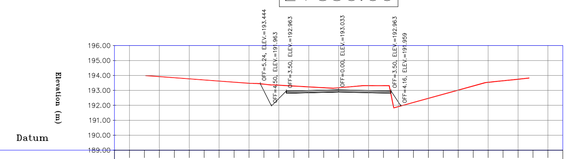
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	69 OF 103	D01	053-073-9184	F	4	S	708209	69	D02

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	192.23	192.73	193.24	193.26	193.28	193.30	193.28	193.26	193.24	192.73																	
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

2+530.00

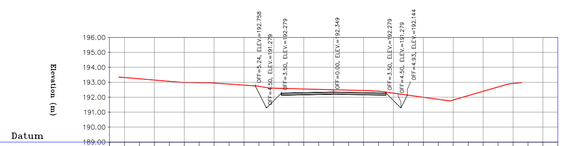


NATURAL GROUND ELEVATION	193.92	193.85	193.77	193.70	193.62	193.55	193.48	193.42	193.35	193.29	193.24	193.18	193.17	193.26	193.31	193.31	191.91	192.19	192.47	192.74	193.02	193.30	193.54	193.64	193.75					
PROJECT ELEVATION	192.96	192.46	192.97	192.99	193.01	193.03	193.01	193.01	192.99	192.97	192.21																			
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+540.00

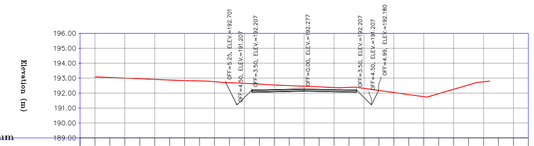
NATURAL GROUND ELEVATION	193.68	193.61	193.54	193.47	193.39	193.32	193.25	193.18	193.11	193.01	192.95	192.89	192.84	192.78	192.75	192.72	192.70	192.09	191.95	191.82	192.00	192.29	192.57	192.86	193.14	193.28				
PROJECT ELEVATION	192.54	192.04	192.55	192.57	192.59	192.61	192.59	192.57	192.55	192.04																				
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+550.00



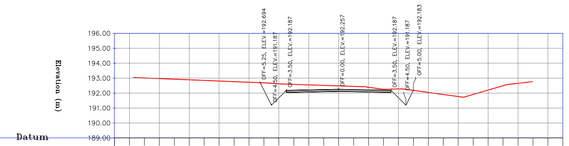
NATURAL GROUND ELEVATION	193.31	193.23	193.15	193.06	192.98	192.97	192.94	192.88	192.81	192.73	192.60	192.58	192.55	192.53	192.50	192.48	192.45	192.41	192.27	192.13	192.00	191.86	191.82	192.11	192.40	192.69	192.92			
PROJECT ELEVATION	192.28	191.78	192.29	192.31	192.33	192.35	192.33	192.31	192.29	191.78																				
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	

2+555.58



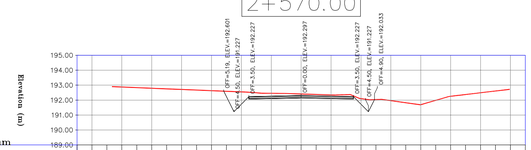
NATURAL GROUND ELEVATION	193.04	193.00	192.96	192.92	192.87	192.84	192.82	192.76	192.70	192.66	192.61	192.54	192.50	192.46	192.42	192.38	192.32	192.18	192.04	191.90	191.77	191.96	192.26	192.55	192.76					
PROJECT ELEVATION	192.21	191.71	192.22	192.24	192.26	192.28	192.26	192.24	192.22	191.71																				
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+560.00



NATURAL GROUND ELEVATION	193.01	192.97	192.93	192.89	192.85	192.81	192.77	192.72	192.68	192.62	192.58	192.55	192.52	192.48	192.45	192.38	192.25	192.18	192.05	191.91	191.77	191.91	192.20	192.50	192.65					
PROJECT ELEVATION	192.19	191.69	192.20	192.22	192.24	192.26	192.24	192.22	192.20	191.69																				
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+570.00

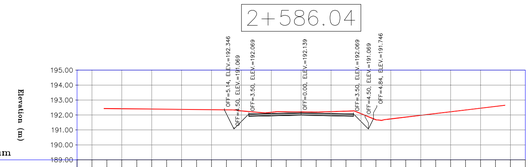


NATURAL GROUND ELEVATION	192.88	192.84	192.79	192.75	192.71	192.67	192.63	192.59	192.55	192.49	192.46	192.44	192.41	192.38	192.35	192.36	192.10	192.04	191.96	191.82	191.69	191.98	192.25	192.37	192.49	192.61				
PROJECT ELEVATION	192.23	191.73	192.24	192.26	192.28	192.30	192.28	192.26	192.24	191.73																				
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	

2+580.00

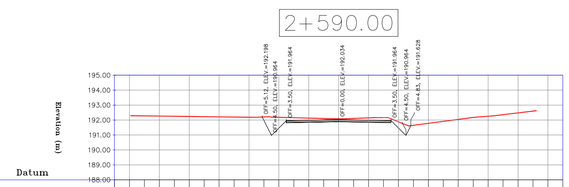
NATURAL GROUND ELEVATION	192.73	192.69	192.66	192.62	192.58	192.54	192.50	192.46	192.42	192.35	192.31	192.30	192.30	192.30	192.28	192.25	192.28	192.20	191.82	191.75	191.75	191.96	192.08	192.20	192.32	192.44	192.56	192.68		
PROJECT ELEVATION	192.18	191.68	192.19	192.21	192.23	192.25	192.23	192.21	192.19	191.68																				
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+586.04



NATURAL GROUND ELEVATION	192.43	192.42	192.41	192.40	192.39	192.38	192.37	192.36	192.34	192.28	192.19	192.18	192.21	192.21	192.20	192.22	192.25	192.09	191.68	191.74	191.86	191.98	192.10	192.22	192.34	192.46	192.58			
PROJECT ELEVATION	192.07	191.57	192.08	192.10	192.12	192.14	192.12	192.10	192.08	191.57																				
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	

2+590.00



NATURAL GROUND ELEVATION	192.28	192.26	192.25	192.24	192.23	192.22	192.20	192.19	192.21	192.18	192.16	192.13	192.11	192.08	192.11	192.15	192.16	191.88	191.65	191.78	191.91	192.04	192.17	192.26	192.36	192.48	192.60			
PROJECT ELEVATION	191.96	191.46	191.97	191.99	192.01	192.03	192.01	191.99	191.97	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	

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

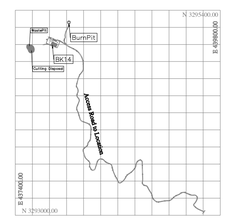
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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



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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

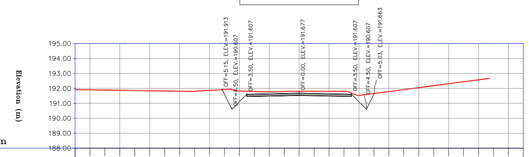
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

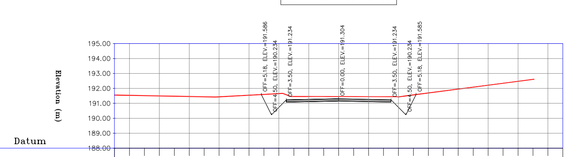
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	70 OF 103	D01	053-073-9184	F	4	S	708209	70	D02

2+600.00



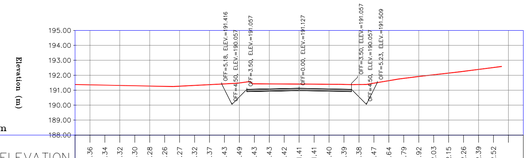
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	191.91	
-13.00	191.89	
-12.00	191.87	
-11.00	191.86	
-10.00	191.84	
-9.00	191.83	
-8.00	191.81	
-7.00	191.81	
-6.00	191.87	
-5.00	191.92	
-4.00	191.82	191.61
-3.00	191.80	191.11
-2.00	191.77	191.62
-1.00	191.79	191.64
0.00	191.80	191.66
1.00	191.80	191.68
2.00	191.81	191.66
3.00	191.81	191.64
4.00	191.53	191.62
5.00	191.66	191.11
6.00	191.79	191.61
7.00	191.92	
8.00	192.05	
9.00	192.18	
10.00	192.32	
11.00	192.45	
12.00	192.58	
13.00		
14.00		

2+610.00



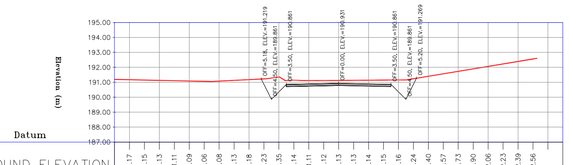
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	191.53	
-13.00	191.51	
-12.00	191.50	
-11.00	191.48	
-10.00	191.46	
-9.00	191.44	
-8.00	191.43	
-7.00	191.49	
-6.00	191.54	
-5.00	191.60	
-4.00	191.65	191.23
-3.00	191.46	190.73
-2.00	191.46	191.24
-1.00	191.46	191.26
0.00	191.45	191.28
1.00	191.45	191.30
2.00	191.45	191.28
3.00	191.45	191.26
4.00	191.45	191.24
5.00	191.43	190.73
6.00	191.56	191.23
7.00	191.69	
8.00	191.82	
9.00	191.95	
10.00	192.08	
11.00	192.21	
12.00	192.34	
13.00	192.47	
14.00	192.61	

2+614.76



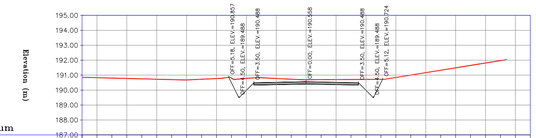
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	191.36	
-13.00	191.34	
-12.00	191.32	
-11.00	191.30	
-10.00	191.28	
-9.00	191.26	
-8.00	191.27	
-7.00	191.32	
-6.00	191.37	
-5.00	191.43	
-4.00	191.49	191.06
-3.00	191.43	190.56
-2.00	191.43	191.07
-1.00	191.42	191.09
0.00	191.41	191.11
1.00	191.41	191.13
2.00	191.40	191.11
3.00	191.39	191.09
4.00	191.38	191.07
5.00	191.47	190.56
6.00	191.64	191.06
7.00	191.79	
8.00	191.92	
9.00	192.03	
10.00	192.15	
11.00	192.26	
12.00	192.39	
13.00	192.52	
14.00		

2+620.00



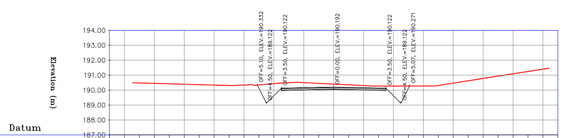
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	191.17	
-13.00	191.15	
-12.00	191.13	
-11.00	191.11	
-10.00	191.09	
-9.00	191.06	
-8.00	191.08	
-7.00	191.13	
-6.00	191.18	
-5.00	191.23	
-4.00	191.35	190.86
-3.00	191.14	190.36
-2.00	191.11	190.87
-1.00	191.12	190.89
0.00	191.13	190.91
1.00	191.13	190.93
2.00	191.14	190.89
3.00	191.15	190.87
4.00	191.16	190.36
5.00	191.24	190.86
6.00	191.40	
7.00	191.57	
8.00	191.73	
9.00	191.90	
10.00	192.06	
11.00	192.23	
12.00	192.39	
13.00	192.56	
14.00		

2+630.00



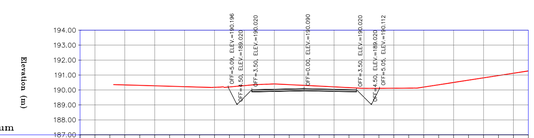
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	190.83	
-13.00	190.81	
-12.00	190.78	
-11.00	190.75	
-10.00	190.73	
-9.00	190.70	
-8.00	190.68	
-7.00	190.73	
-6.00	190.78	
-5.00	190.81	
-4.00	190.79	190.49
-3.00	190.82	189.99
-2.00	190.78	190.50
-1.00	190.73	190.52
0.00	190.70	190.54
1.00	190.70	190.56
2.00	190.70	190.54
3.00	190.70	190.52
4.00	190.71	190.50
5.00	190.71	189.99
6.00	190.72	190.49
7.00	190.84	
8.00	191.01	
9.00	191.17	
10.00	191.33	
11.00	191.49	
12.00	191.65	
13.00	191.81	
14.00	191.97	

2+640.00



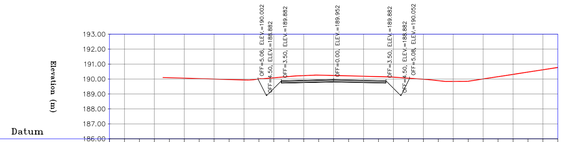
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	190.48	
-13.00	190.45	
-12.00	190.42	
-11.00	190.39	
-10.00	190.36	
-9.00	190.34	
-8.00	190.31	
-7.00	190.34	
-6.00	190.34	
-5.00	190.34	
-4.00	190.43	190.12
-3.00	190.49	189.62
-2.00	190.50	190.13
-1.00	190.45	190.15
0.00	190.40	190.17
1.00	190.35	190.19
2.00	190.30	190.17
3.00	190.27	190.15
4.00	190.27	190.13
5.00	190.27	189.62
6.00	190.28	190.12
7.00	190.31	
8.00	190.47	
9.00	190.62	
10.00	190.78	
11.00	190.94	
12.00	191.09	
13.00	191.25	
14.00	191.40	

2+643.47



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00		
-13.00	190.34	
-12.00	190.31	
-11.00	190.28	
-10.00	190.25	
-9.00	190.22	
-8.00	190.19	
-7.00	190.18	
-6.00	190.20	
-5.00	190.29	190.02
-4.00	190.37	189.52
-3.00	190.41	190.03
-2.00	190.36	190.05
-1.00	190.31	190.07
0.00	190.26	190.09
1.00	190.21	190.07
2.00	190.16	190.05
3.00	190.03	190.03
4.00	189.94	189.52
5.00	190.11	190.02
6.00	190.12	
7.00	190.19	
8.00	190.35	
9.00	190.50	
10.00	190.66	
11.00	190.81	
12.00	190.96	
13.00	191.12	
14.00		

2+650.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00		
-13.00	190.09	
-12.00	190.06	
-11.00	190.03	
-10.00	190.00	
-9.00	189.97	
-8.00	189.94	
-7.00	190.01	
-6.00	190.08	
-5.00	190.08	189.88
-4.00	190.17	189.38
-3.00	190.23	189.89
-2.00	190.26	189.91
-1.00	190.24	189.93
0.00	190.21	189.95
1.00	190.19	189.93
2.00	190.16	189.91
3.00	190.13	189.89
4.00	190.06	189.38
5.00	189.99	189.88
6.00		
7.00	189.89	
8.00	189.84	
9.00	189.85	
10.00	190.00	
11.00	190.16	
12.00	190.31	
13.00	190.47	
14.00	190.62	

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

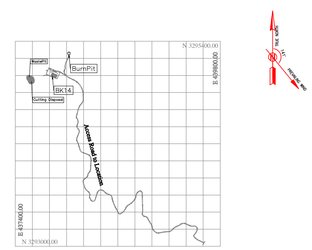
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	71 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

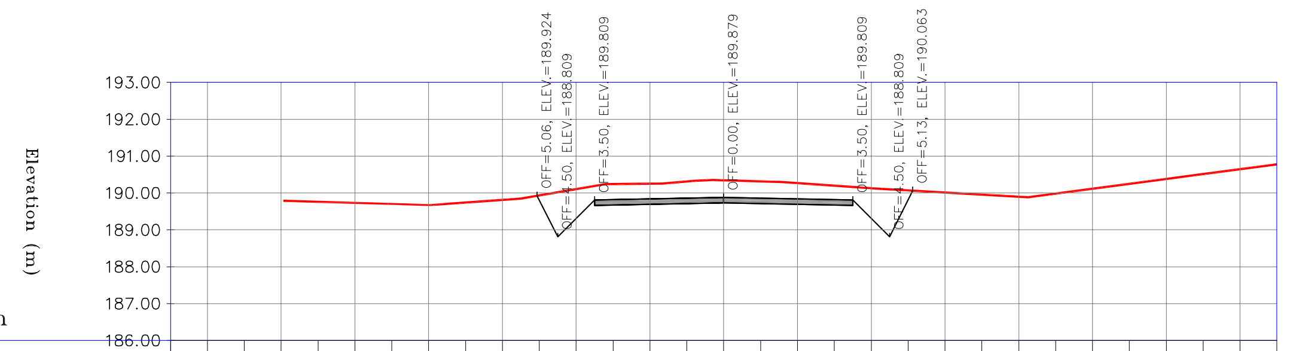
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

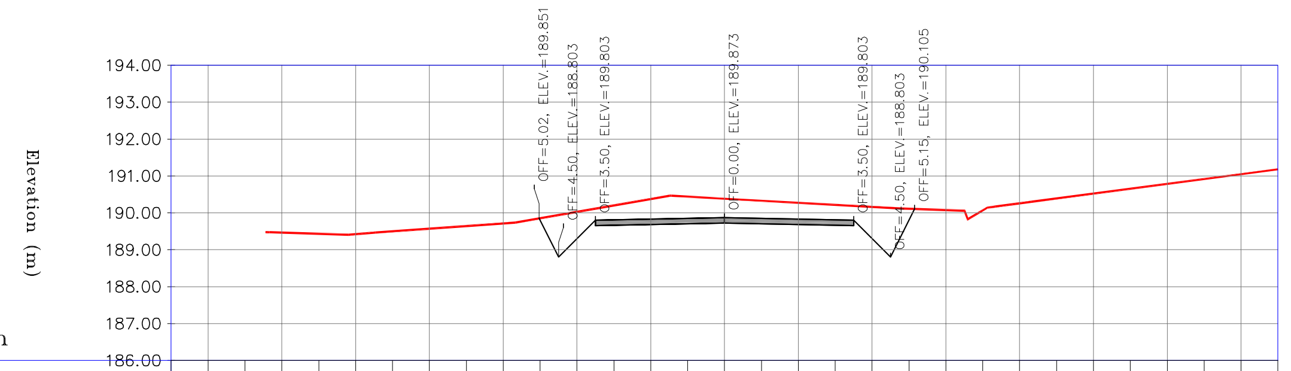
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	71	D02

2+660.00



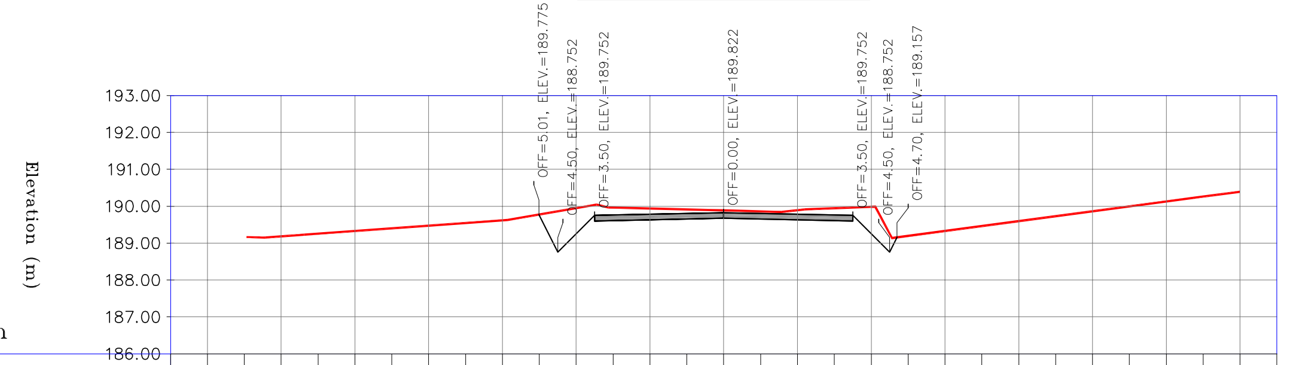
NATURAL GROUND ELEVATION				189.76	189.73	189.70	189.67	189.74	189.81	189.93	190.11	190.24	190.25	190.31	190.34	190.32	190.27	190.20	190.13	190.07	190.01	189.96	189.90	189.98	190.12	190.25	190.38	190.51	190.64
PROJECT ELEVATION										189.81	189.31	189.82	189.84	189.86	189.88	189.86	189.84	189.82	189.31	189.81									
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

2+670.00



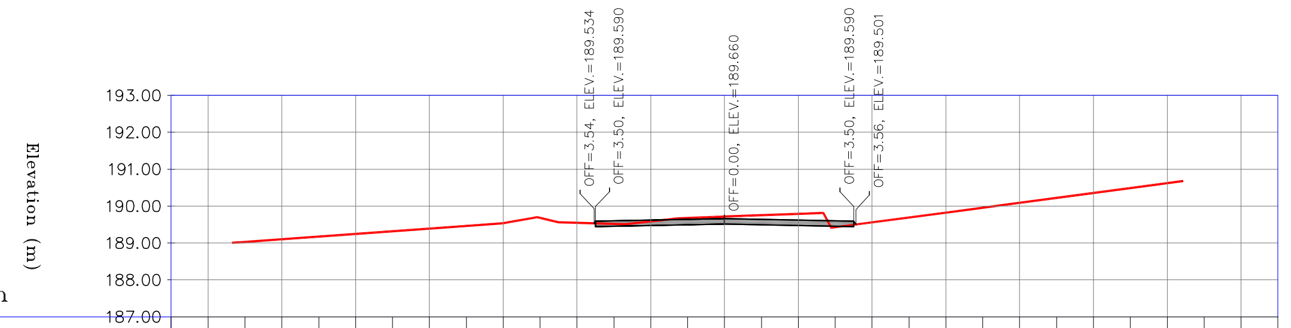
NATURAL GROUND ELEVATION			189.46	189.43	189.42	189.50	189.57	189.64	189.72	189.86	190.03	190.20	190.37	190.44	190.38	190.33	190.27	190.22	190.16	190.11	190.08	190.07	190.26	190.39	190.52	190.65	190.78	190.92	191.05
PROJECT ELEVATION										189.80	189.30	189.81	189.83	189.85	189.87	189.85	189.83	189.81	189.30	189.80									
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

2+680.00



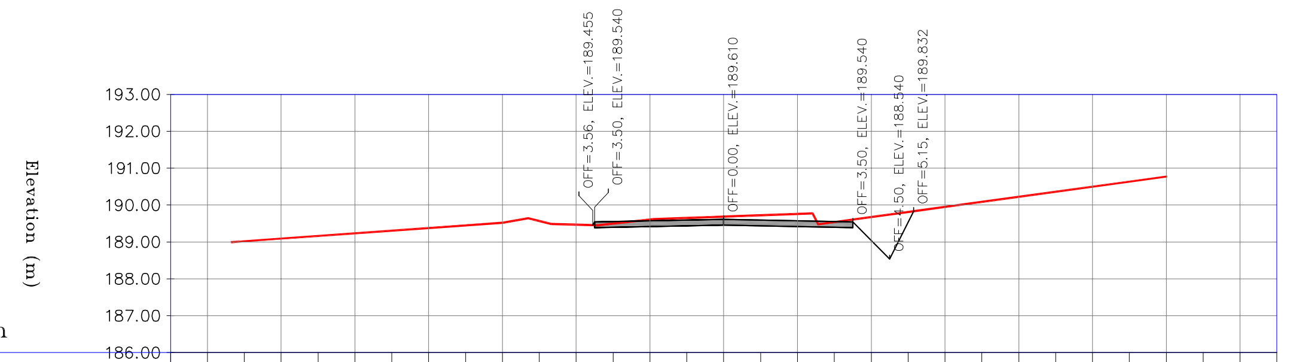
NATURAL GROUND ELEVATION			189.18	189.25	189.33	189.40	189.47	189.55	189.62	189.78	189.95	189.97	189.94	189.91	189.89	189.86	189.89	189.95	189.99	189.20	189.33	189.46	189.59	189.73	189.86	189.99	190.13	190.26	
PROJECT ELEVATION										189.75	189.25	189.76	189.78	189.80	189.82	189.80	189.78	189.76	189.25										
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+688.22



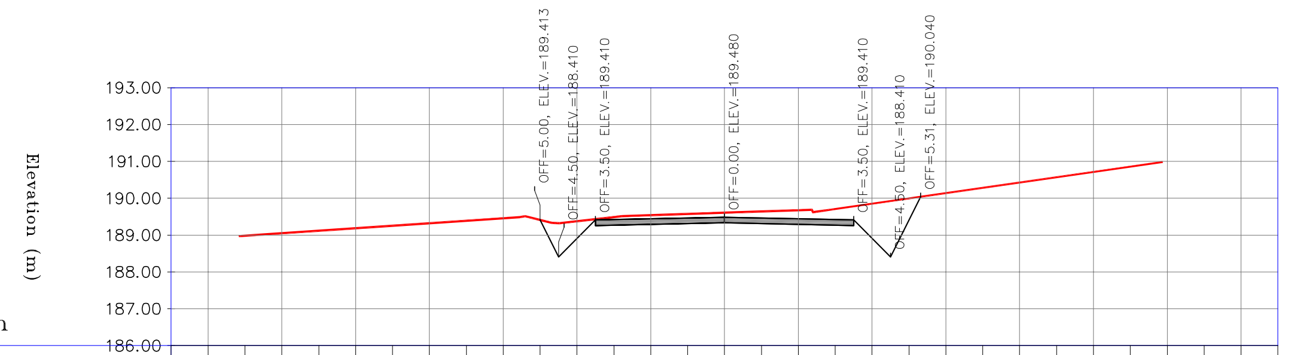
NATURAL GROUND ELEVATION		189.03	189.10	189.17	189.25	189.32	189.39	189.47	189.54	189.68	189.55	189.52	189.59	189.68	189.71	189.75	189.79	189.43	189.56	189.69	189.83	189.96	190.09	190.22	190.36	190.49	190.62		
PROJECT ELEVATION												189.60	189.62	189.64	189.66	189.64	189.62	189.60											
DIST. (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



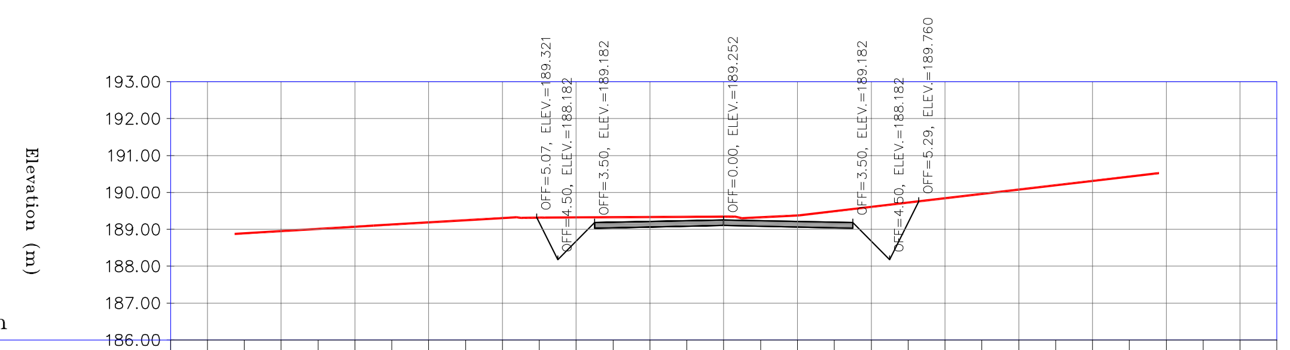
NATURAL GROUND ELEVATION		189.02	189.09	189.16	189.23	189.31	189.38	189.45	189.52	189.57	189.47	189.49	189.61	189.65	189.69	189.72	189.76	189.54	189.67	189.81	189.95	190.09	190.22	190.36	190.50	190.63	190.77		
PROJECT ELEVATION												189.55	189.57	189.59	189.61	189.59	189.57	189.55	189.04	189.54									
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+693.96



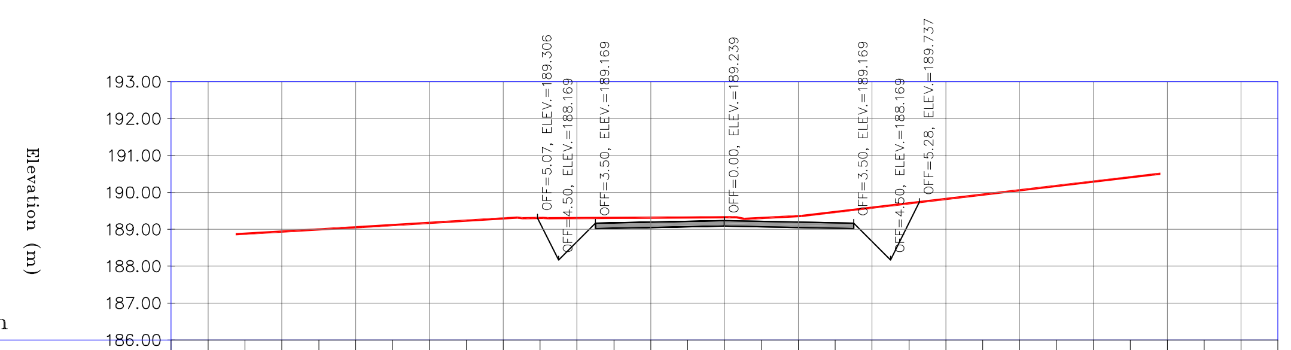
NATURAL GROUND ELEVATION		188.98	189.05	189.12	189.19	189.25	189.32	189.39	189.46	189.41	189.38	189.49	189.54	189.57	189.61	189.64	189.67	189.71	189.85	189.99	190.14	190.28	190.43	190.57	190.71	190.86			
PROJECT ELEVATION										189.41	188.91	189.42	189.44	189.46	189.48	189.46	189.44	189.42	188.91	189.41									
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										189.18	188.68	189.19	189.21	189.23	189.25	189.23	189.21	189.19	188.68	189.18									
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

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	189.36	189.47	189.59	189.70	189.82	189.94	190.06	190.18	190.29	190.41			
PROJECT ELEVATION										189.17	188.67	189.18	189.20	189.22	189.24	189.22	189.20	189.18	188.67	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

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

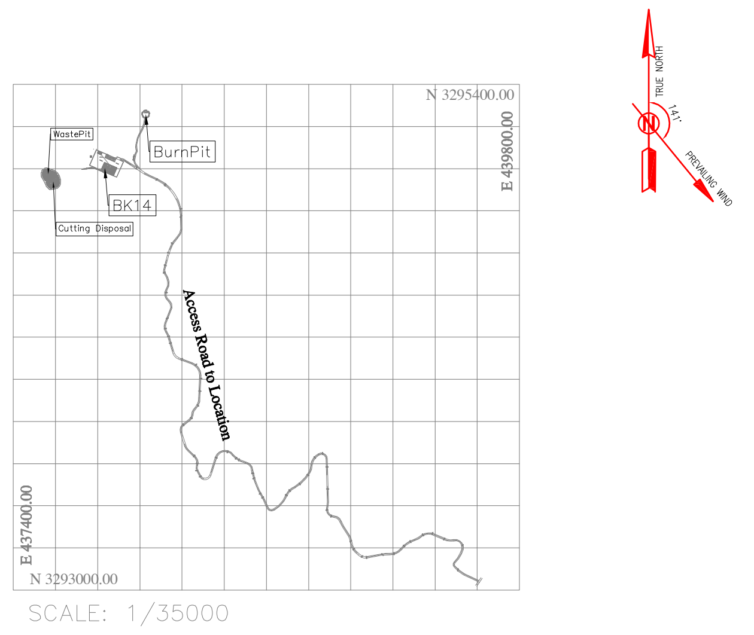
⊙	WELL LOCATION	→	CANAL
●	WELL		RIVER
☐	SITE		WATER COURSE
🟥	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

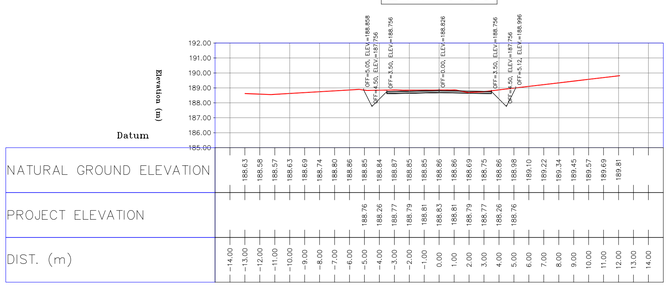
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

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

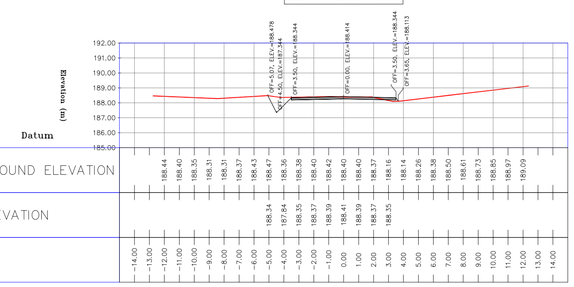
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	72 OF 103	D01	053–073–9184	F	4	S	708209	72	D02

2+710.00



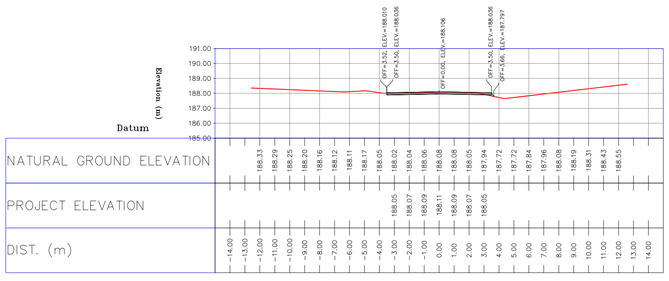
NATURAL GROUND ELEVATION	188.63	188.58	188.57	188.63	188.69	188.74	188.80	188.86	188.85	188.84	188.87	188.85	188.85	188.86	188.86	188.69	188.75	188.86	188.98	189.10	189.22	189.34	189.45	189.57	189.69	189.81		
PROJECT ELEVATION									188.76	188.26	188.77	188.79	188.81	188.83	188.81	188.79	188.77	188.26	188.76									
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



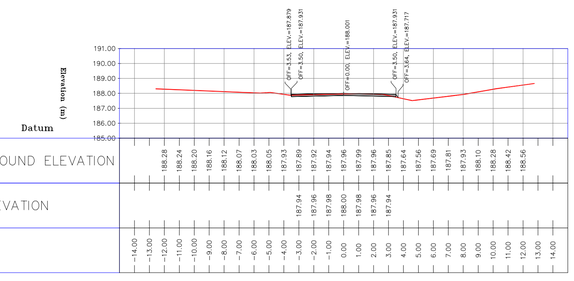
NATURAL GROUND ELEVATION	188.44	188.40	188.35	188.31	188.37	188.43	188.47	188.36	187.84	188.38	188.40	188.35	188.37	188.39	188.42	188.40	188.40	188.37	188.16	188.14	188.26	188.38	188.50	188.61	188.73	188.85	188.97	189.09
PROJECT ELEVATION								188.34	187.84	188.36	188.35	188.37	188.39	188.41	188.39	188.40	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



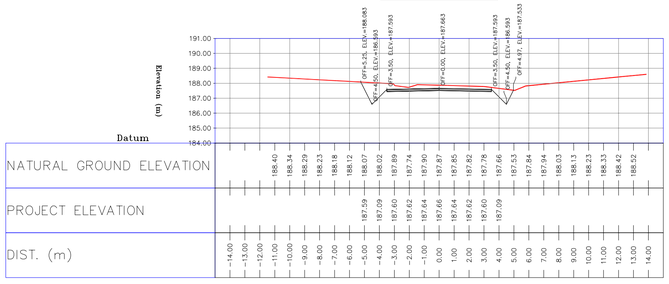
NATURAL GROUND ELEVATION	188.33	188.29	188.25	188.20	188.16	188.12	188.11	188.17	188.05	188.02	188.04	188.06	188.08	188.08	188.06	188.05	187.94	187.72	187.84	187.96	188.08	188.19	188.31	188.43	188.55			
PROJECT ELEVATION									188.05	188.07	188.04	188.09	188.11	188.09	188.09	188.07	188.05											
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



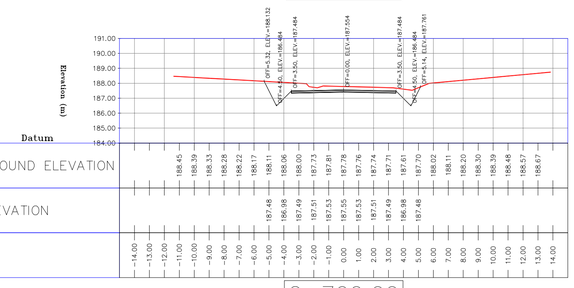
NATURAL GROUND ELEVATION	188.28	188.24	188.20	188.16	188.12	188.07	188.03	188.05	187.93	187.89	187.92	187.93	187.94	187.96	187.99	187.96	187.85	187.64	187.56	187.69	187.81	187.93	188.10	188.28	188.42	188.56		
PROJECT ELEVATION									187.94	187.96	187.94	187.98	188.00	187.98	187.98	187.96	187.94											
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



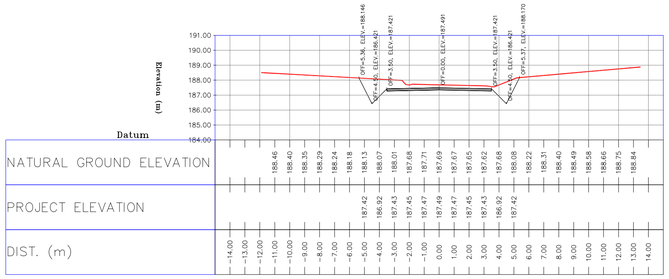
NATURAL GROUND ELEVATION	188.40	188.34	188.29	188.23	188.18	188.12	188.07	188.02	187.89	187.74	187.90	187.87	187.82	187.78	187.66	187.53	187.84	187.94	188.03	188.13	188.23	188.33	188.42	188.52				
PROJECT ELEVATION									187.59	187.09	187.62	187.64	187.66	187.64	187.62	187.60	187.09											
DIST. (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

2+745.14



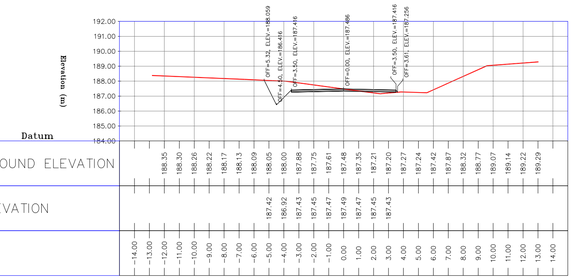
NATURAL GROUND ELEVATION	188.45	188.39	188.33	188.28	188.22	188.17	188.11	188.06	188.00	187.93	187.89	187.92	187.94	187.96	187.98	187.96	187.74	187.51	187.53	187.81	187.78	187.76	187.74	187.71	187.61	187.70	188.02	188.11	188.20	188.30	188.39	188.48	188.57	188.67
PROJECT ELEVATION									187.48	186.98	187.49	187.51	187.53	187.55	187.53	187.51	187.49	186.98	187.48															
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



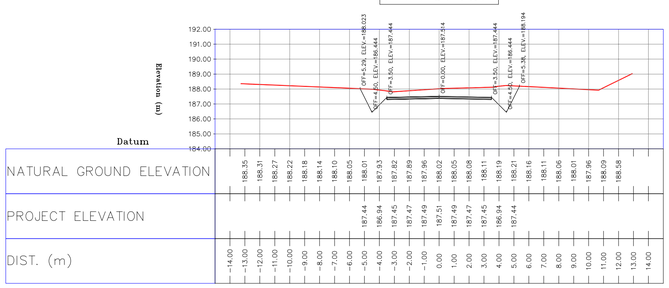
NATURAL GROUND ELEVATION	188.46	188.40	188.35	188.29	188.24	188.18	188.13	188.07	188.01	187.68	187.71	187.69	187.67	187.65	187.62	187.68	188.05	188.22	188.31	188.40	188.49	188.58	188.66	188.75	188.84			
PROJECT ELEVATION									187.42	186.92	187.43	187.45	187.47	187.49	187.47	187.45	187.43	186.92	187.42									
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+760.00



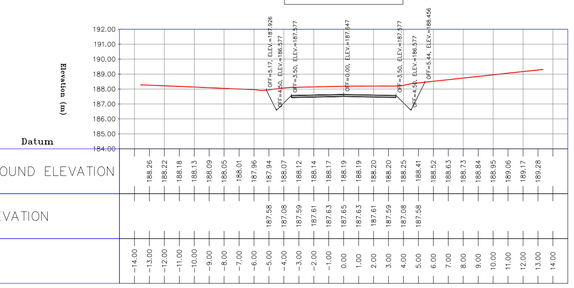
NATURAL GROUND ELEVATION	188.35	188.30	188.26	188.22	188.17	188.13	188.09	188.05	188.00	187.88	187.75	187.61	187.48	187.35	187.21	187.20	187.27	187.24	187.42	187.87	188.32	188.77	189.07	189.14	189.22	189.29		
PROJECT ELEVATION									187.42	186.92	187.43	187.45	187.47	187.49	187.47	187.45	187.43											
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	188.55	188.51	188.27	188.22	188.18	188.14	188.10	188.05	188.01	187.63	187.82	187.89	187.96	188.02	188.05	188.08	188.11	188.19	188.21	188.16	188.11	188.05	188.01	187.96	188.09	188.58		
PROJECT ELEVATION									187.44	186.94	187.45	187.47	187.49	187.51	187.47	187.45	186.94	187.44										
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+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	188.20	188.22	188.25	188.41	188.52	188.63	188.73	188.84	188.95	189.06	189.17	189.28		
PROJECT ELEVATION									187.58	187.08	187.59	187.61	187.63	187.65	187.63	187.61	187.59	187.08	187.58									
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

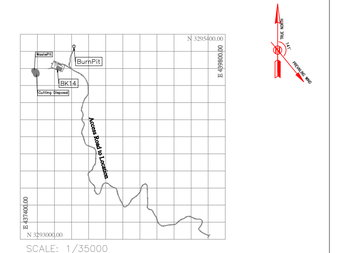
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

KEY PLAN



REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
			CHECKED		REV. APPR.	
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 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	73 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

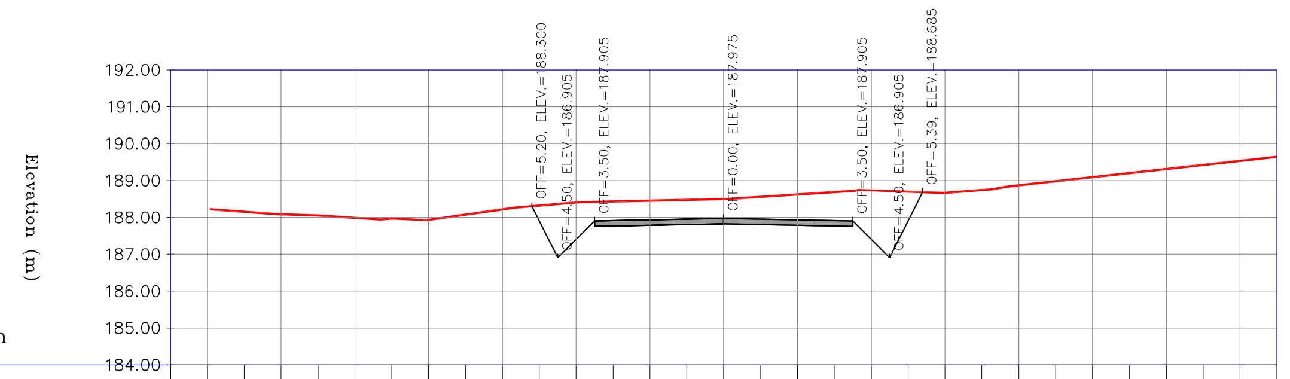
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

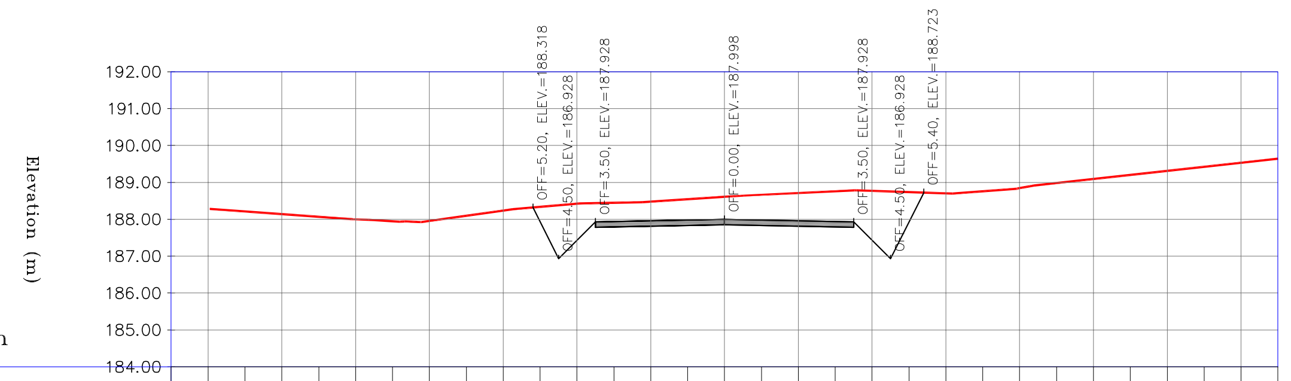
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	73	D02

2+780.00



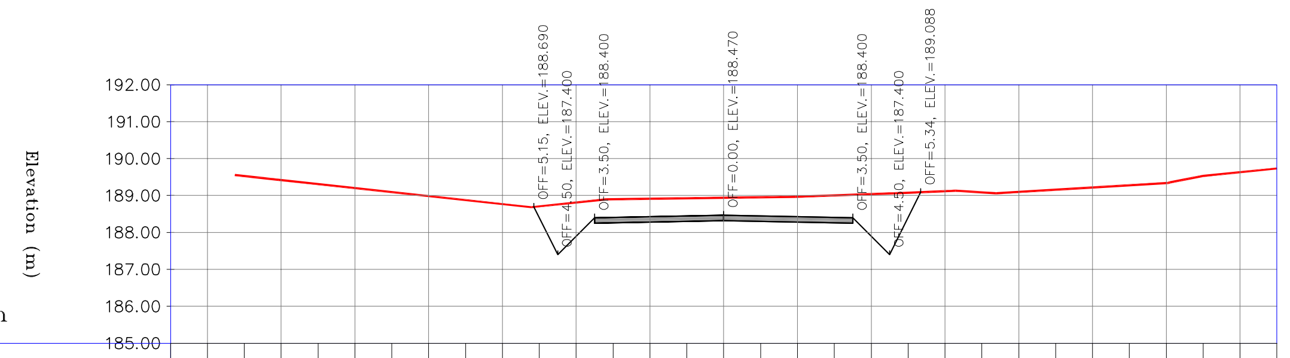
NATURAL GROUND ELEVATION		188.15	188.08	188.05	187.99	187.97	187.93	188.07	188.21	188.32	188.40	188.43	188.45	188.48	188.50	188.56	188.62	188.69	188.73	188.70	188.67	188.74	188.87	188.98	189.09	189.20	189.31	189.42	189.53
PROJECT ELEVATION										187.90	187.40	187.91	187.93	187.95	187.97	187.95	187.93	187.91	187.40	187.90									
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+780.55



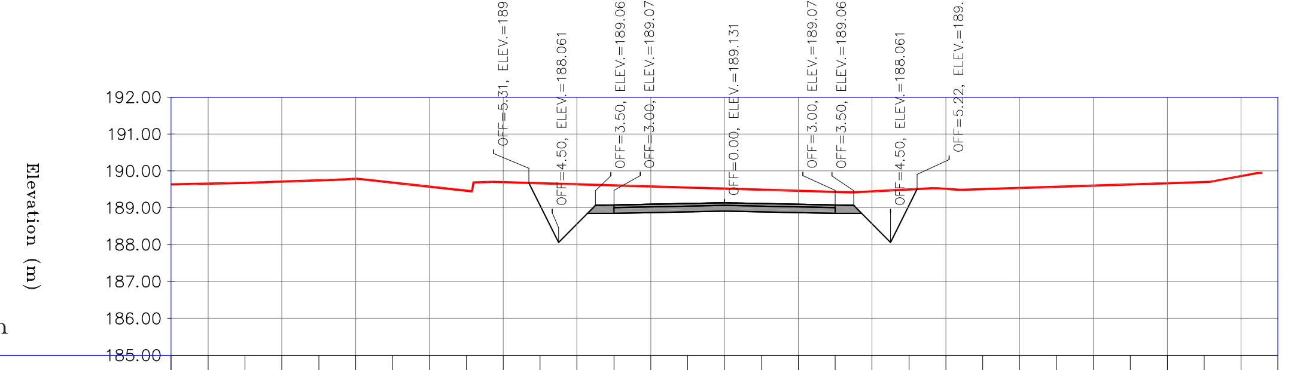
NATURAL GROUND ELEVATION		188.21	188.14	188.07	188.00	187.95	187.96	188.10	188.24	188.34	188.42	188.45	188.48	188.54	188.61	188.66	188.71	188.76	188.77	188.74	188.70	188.76	188.84	188.98	189.09	189.20	189.31	189.42	189.53
PROJECT ELEVATION										187.93	187.43	187.94	187.96	187.98	188.00	187.98	187.96	187.94	187.43	187.93									
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+790.00



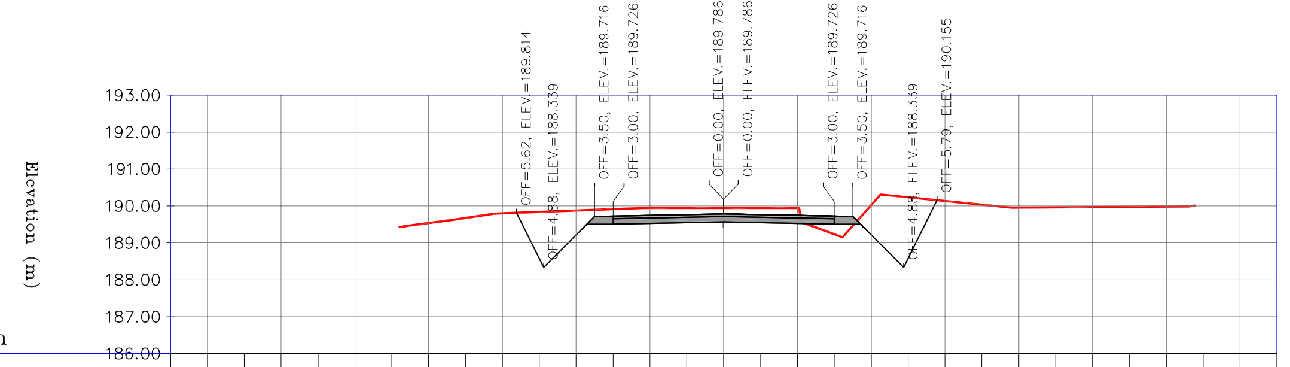
NATURAL GROUND ELEVATION		189.53	189.42	189.31	189.20	189.09	188.99	188.88	188.77	188.71	188.81	188.89	188.91	188.92	188.94	188.95	188.97	189.00	189.04	189.07	189.12	189.09	189.10	189.16	189.22	189.28	189.34	189.53	189.63
PROJECT ELEVATION										188.40	187.90	188.41	188.43	188.45	188.47	188.45	188.43	188.41	187.90	188.40									
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+800.00



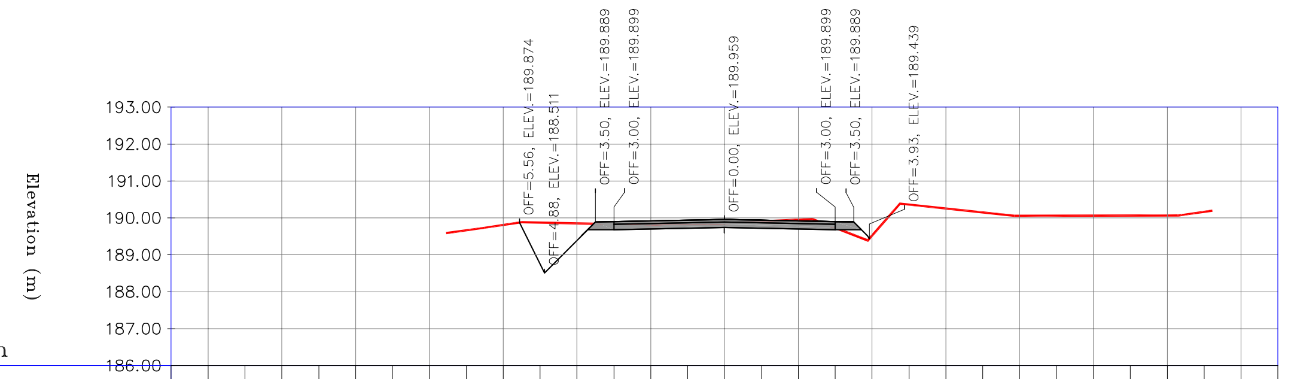
NATURAL GROUND ELEVATION	189.65	189.67	189.71	189.74	189.79	189.68	189.57	189.47	189.69	189.66	189.63	189.61	189.58	189.55	189.52	189.49	189.46	189.43	189.44	189.49	189.51	189.50	189.53	189.57	189.60	189.63	189.67	189.70	189.86
PROJECT ELEVATION										188.25	188.56	189.07	189.09	189.11	189.13	189.11	189.09	189.07	188.56	188.33									
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



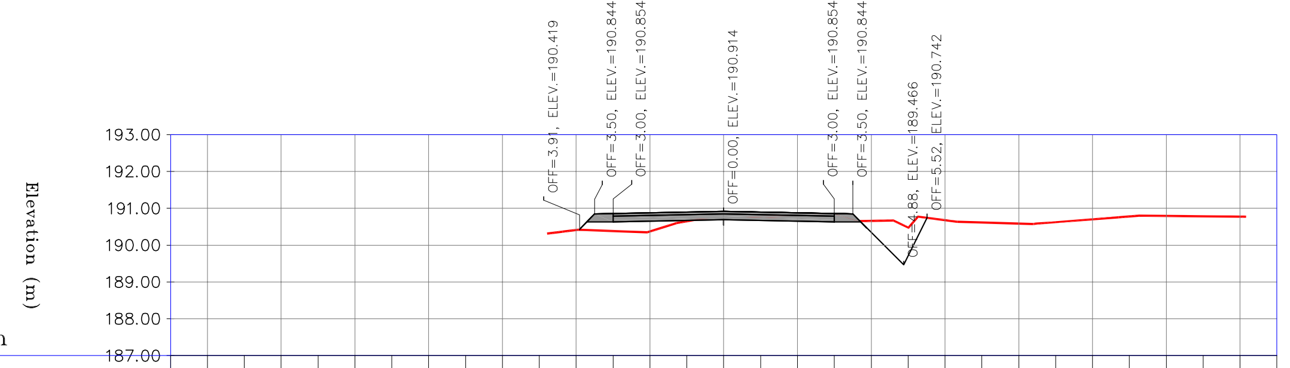
NATURAL GROUND ELEVATION							189.54	189.68	189.80	189.84	189.88	189.91	189.95	189.95	189.95	189.95	189.95	189.24	190.02	190.23	190.13	190.03	189.95	189.96	189.97	189.98	189.98		
PROJECT ELEVATION										188.58	189.22	189.73	189.75	189.77	189.79	189.77	189.75	189.73	189.22	188.58									
DIST. (m)	-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+810.00



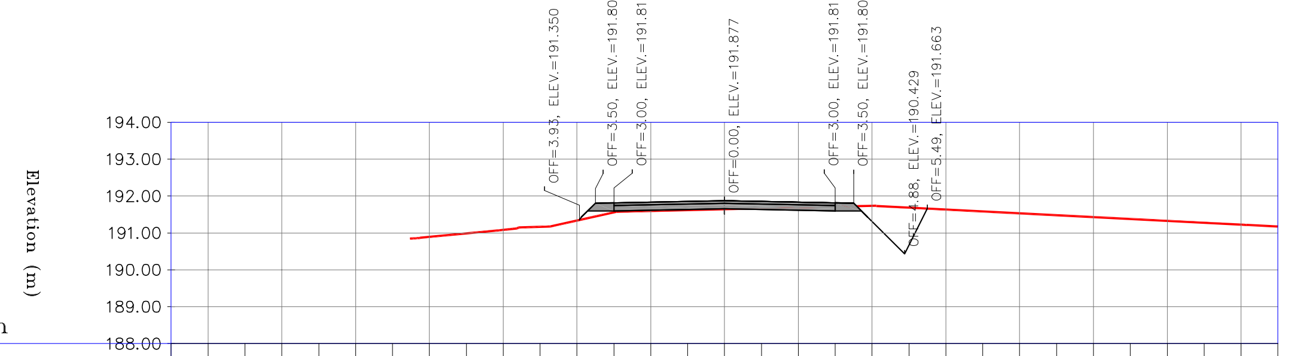
NATURAL GROUND ELEVATION								189.66	189.81	189.87	189.85	189.83	189.82	189.83	189.86	189.91	189.95	189.73	189.52	190.36	190.26	190.15	190.06	190.06	190.06	190.06	190.06	190.17	
PROJECT ELEVATION										188.76	189.39	189.90	189.92	189.94	189.96	189.94	189.92	189.90											
DIST. (m)	-14.00	-13.00	-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+820.00



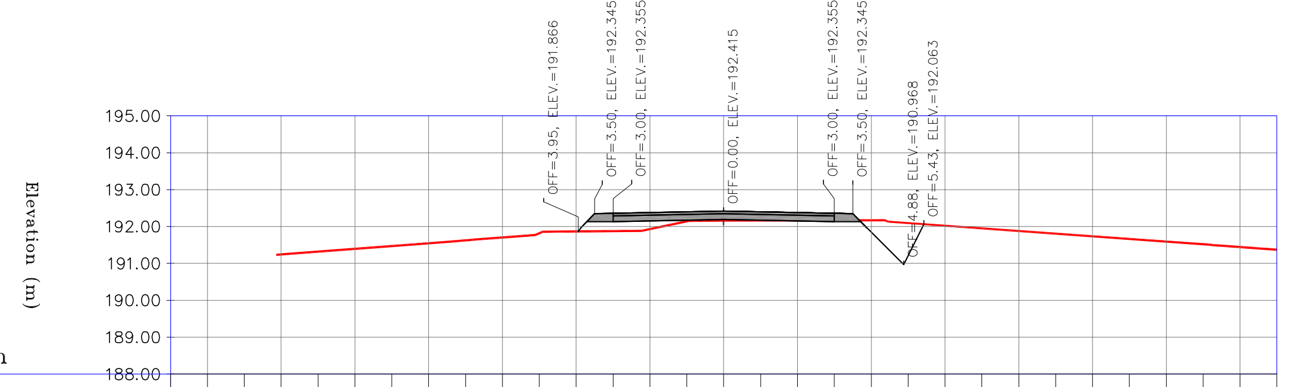
NATURAL GROUND ELEVATION											190.41	190.38	190.37	190.65	190.72	190.76	190.79	190.83	190.66	190.48	190.68	190.62	190.59	190.62	190.70	190.78	190.79	190.78	190.78
PROJECT ELEVATION												190.85	190.87	190.89	190.91	190.89	190.87	190.85	190.34	189.71									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-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+830.00



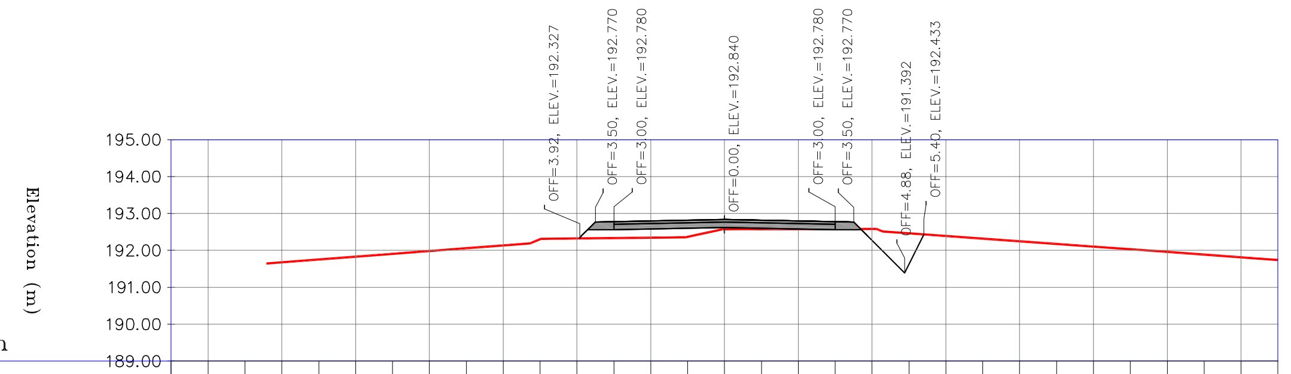
NATURAL GROUND ELEVATION							190.89	190.99	191.08	191.16	191.33	191.56	191.59	191.62	191.64	191.67	191.69	191.71	191.74	191.69	191.64	191.59	191.53	191.48	191.43	191.38	191.33	191.28	191.23
PROJECT ELEVATION												191.82	191.84	191.86	191.88	191.86	191.84	191.82	191.31	190.67									
DIST. (m)	-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+835.60



NATURAL GROUND ELEVATION			191.24	191.32	191.40	191.47	191.55	191.63	191.70	191.82	191.87	191.88	191.93	192.15	192.16	192.16	192.16	192.17	192.17	192.09	192.02	191.95	191.88	191.81	191.73	191.66	191.59	191.52	191.45
PROJECT ELEVATION												192.36	192.38	192.40	192.42	192.40	192.38	192.36	191.85	191.21									
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+840.00



NATURAL GROUND ELEVATION			191.68	191.75	191.83	191.91	191.98	192.06	192.14	192.31	192.33	192.34	192.35	192.37	192.57	192.57	192.57	192.58	192.58	192.46	192.39	192.32	192.25	192.17	192.10	192.03	191.96	191.89	191.81
PROJECT ELEVATION												192.78	192.80	192.82	192.84	192.82	192.80	192.78	192.27	191.64									
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

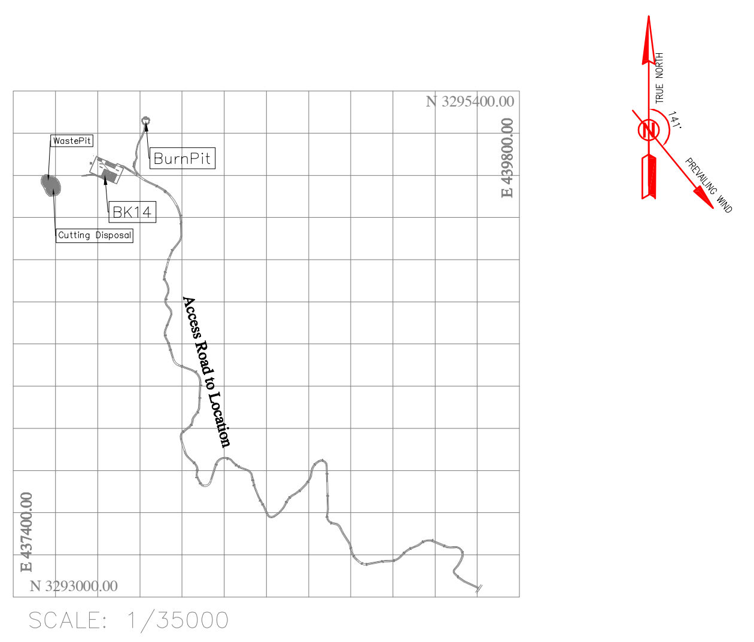
⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
□	SITE	◄	WATER COURSE
🟥	CAMP SITE	≈ 60 50	CONTOURS
—	ASPHALT ROAD	99.27	SPOT HEIGHT
—	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD	≍	BRIDGE
~	DAYLIGHT	╫	CULVERT

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

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.	

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):
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
ACCESS ROAD TRANSVERSAL SECTIONS

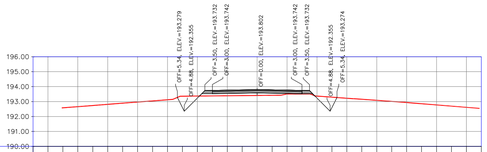
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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	74 OF 103	D01

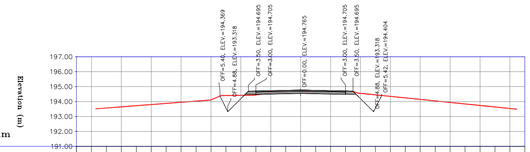
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	74	D02

2+850.00



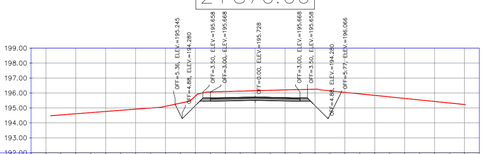
NATURAL GROUND ELEVATION	192.58	192.66	192.74	192.81	192.89	192.97	193.04	193.12	193.36	193.37	193.38	193.39	193.40	193.41	193.42	193.51	193.51	193.37	193.30	193.23	193.15	193.08	193.01	192.94	192.86	192.78	192.70	192.62
PROJECT ELEVATION									192.60	193.23	193.74	193.76	193.78	193.80	193.78	193.76	193.74	193.23	192.60									
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+860.00



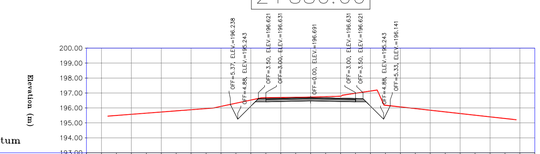
NATURAL GROUND ELEVATION	193.57	193.64	193.72	193.80	193.87	193.95	194.03	194.11	194.41	194.42	194.44	194.44	194.57	194.59	194.62	194.64	194.66	194.69	194.55	194.45	194.35	194.24	194.14	194.04	193.94	193.84	193.74	193.64	193.54
PROJECT ELEVATION									193.56	194.20	194.71	194.73	194.75	194.77	194.75	194.64	194.73	194.71	194.20	193.56									
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+870.00



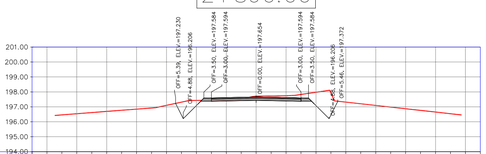
NATURAL GROUND ELEVATION	194.53	194.61	194.69	194.76	194.84	194.92	195.00	195.11	195.32	195.79	196.07	196.10	196.13	196.15	196.18	196.20	196.23	196.25	196.14	196.04	195.94	195.84	195.74	195.64	195.54	195.44	195.33	195.23
PROJECT ELEVATION									194.53	195.16	195.67	195.69	195.71	195.73	195.71	195.69	195.67	195.16	194.53									
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+880.00



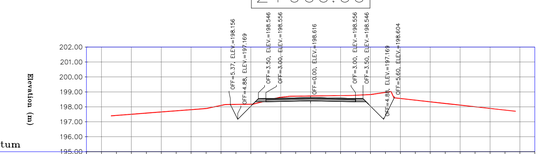
NATURAL GROUND ELEVATION	195.50	195.57	195.65	195.73	195.80	195.88	195.96	196.10	196.32	196.53	196.69	196.70	196.72	196.73	196.75	196.78	196.88	197.13	196.18	196.07	195.96	195.85	195.73	195.62	195.51	195.40	195.29	
PROJECT ELEVATION									195.49	196.12	196.63	196.65	196.67	196.69	196.67	196.65	196.63	196.12	195.49									
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

2+890.00



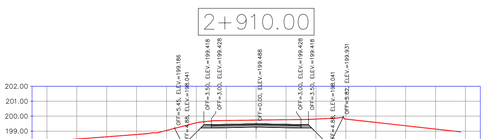
NATURAL GROUND ELEVATION	196.46	196.54	196.61	196.69	196.77	196.85	196.92	197.10	197.31	197.42	197.59	197.61	197.63	197.65	197.69	197.71	197.73	197.74	197.82	197.87	197.92	197.31	197.20	197.09	196.98	196.87	196.76	196.65	196.54
PROJECT ELEVATION									196.45	197.08	197.59	197.61	197.63	197.65	197.63	197.61	197.59	197.08	196.45									
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+900.00



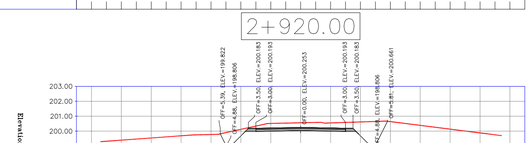
NATURAL GROUND ELEVATION	197.42	197.50	197.58	197.66	197.73	197.81	197.89	198.10	198.16	198.40	198.56	198.64	198.71	198.73	198.74	198.75	198.77	198.82	198.97	198.96	198.45	198.34	198.23	198.12	198.01	197.89	197.78	
PROJECT ELEVATION									197.41	198.05	198.56	198.58	198.60	198.62	198.60	198.58	198.56	198.05	197.41									
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+910.00



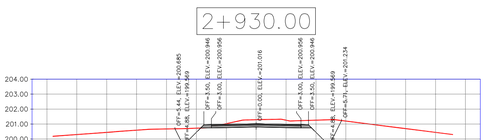
NATURAL GROUND ELEVATION	198.39	198.46	198.54	198.62	198.70	198.77	198.88	199.05	199.30	199.56	199.68	199.71	199.72	199.74	199.75	199.76	199.77	199.80	199.85	199.80	199.69	199.58	199.47	199.36	199.25	199.14	199.03	
PROJECT ELEVATION									198.29	198.92	199.43	199.45	199.47	199.49	199.47	199.45	199.43	198.92	198.29									
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+920.00



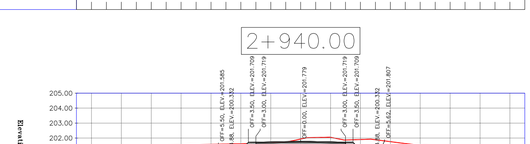
NATURAL GROUND ELEVATION	199.33	199.40	199.47	199.55	199.62	199.69	199.75	199.77	199.91	199.91	200.12	200.34	200.52	200.54	200.56	200.58	200.55	200.19	200.62	200.65	200.64	200.51	200.39	200.26	200.13	200.01	199.88	199.76
PROJECT ELEVATION									199.05	199.68	200.19	200.21	200.23	200.25	200.23	200.21	200.19	199.68	199.05									
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+930.00



NATURAL GROUND ELEVATION	200.23	200.30	200.37	200.45	200.52	200.59	200.65	200.67	200.69	200.72	200.81	201.03	201.25	201.29	201.31	201.26	201.23	201.26	201.29	201.20	201.07	200.95	200.82	200.69	200.57	200.44	200.32	
PROJECT ELEVATION									199.81	200.45	200.96	200.98	201.00	201.02	201.00	200.98	200.96	200.45	199.81									
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

2+940.00



NATURAL GROUND ELEVATION	201.13	201.20	201.27	201.34	201.42	201.49	201.56	201.58	201.59	201.61	201.64	201.68	201.72	201.76	201.78	201.76	201.74	201.72	201.72	201.88	201.76	201.63	201.51	201.38	201.26	201.13	201.00	
PROJECT ELEVATION									200.58	201.21	201.72	201.74	201.76	201.78	201.76	201.74	201.72	201.21	200.58									
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

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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
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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
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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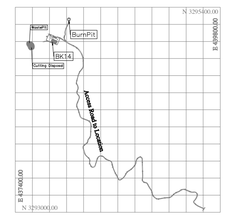
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DATE	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14
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	75 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

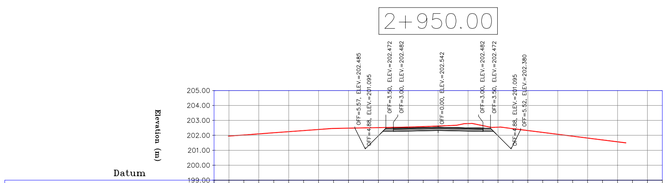
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

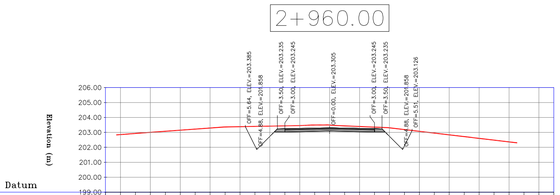
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	75	D02

2+950.00



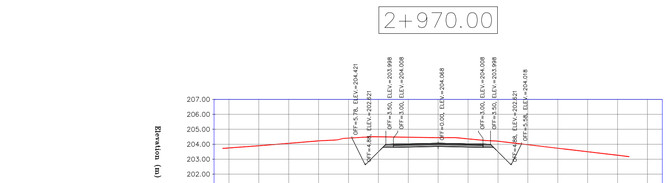
NATURAL GROUND ELEVATION	201.95	202.03	202.10	202.17	202.24	202.32	202.39	202.46	202.48	202.50	202.52	202.54	202.56	202.59	202.63	202.67	202.79	202.65	202.54	202.45	202.32	202.19	202.07	201.94	201.82	201.69	201.57			
PROJECT ELEVATION									201.34	201.97	202.48	202.50	202.50	202.52	202.54	202.52	202.50	202.48	201.97	201.34										
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+960.00



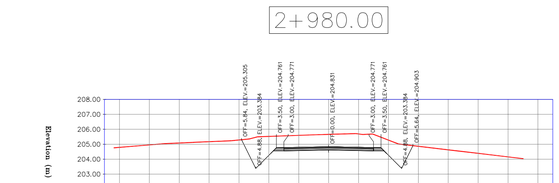
NATURAL GROUND ELEVATION	202.85	202.93	203.00	203.07	203.14	203.22	203.29	203.36	203.38	203.40	203.42	203.44	203.46	203.48	203.50	203.49	203.43	203.39	203.35	203.30	203.19	203.07	202.95	202.83	202.72	202.60	202.48	202.36		
PROJECT ELEVATION									202.10	202.74	203.25	203.27	203.29	203.31	203.29	203.29	203.27	203.25	202.74	202.10										
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	

2+970.00



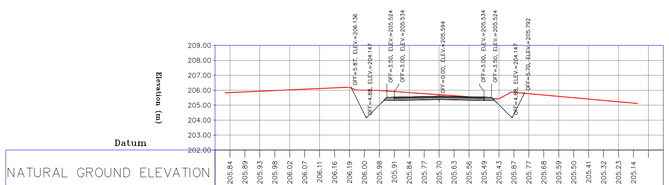
NATURAL GROUND ELEVATION	203.75	203.83	203.90	203.98	204.06	204.14	204.22	204.27	204.41	204.47	204.49	204.48	204.46	204.45	204.44	204.45	204.45	204.36	204.27	204.20	204.09	203.97	203.85	203.73	203.62	203.50	203.38	203.26		
PROJECT ELEVATION									202.87	203.50	204.01	204.03	204.05	204.07	204.05	204.03	204.01	203.50	202.87											
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	

2+980.00



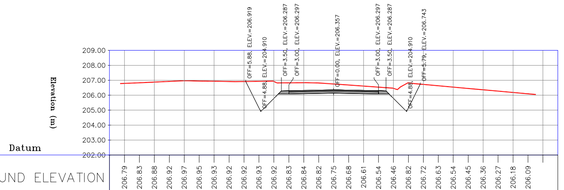
NATURAL GROUND ELEVATION	204.79	204.87	204.96	205.04	205.08	205.13	205.22	205.29	205.44	205.52	205.56	205.59	205.63	205.66	205.69	205.69	205.66	205.66	205.28	204.98	204.86	204.74	204.63	204.51	204.39	204.27	204.15	204.04		
PROJECT ELEVATION									203.63	204.26	204.77	204.79	204.81	204.83	204.81	204.79	204.77	204.77	204.26	203.63										
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	

2+990.00



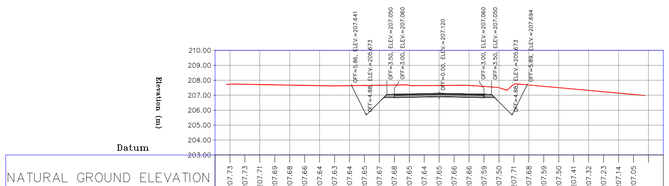
NATURAL GROUND ELEVATION	205.84	205.89	205.93	205.98	206.02	206.07	206.11	206.16	206.19	206.00	205.98	205.91	205.84	205.77	205.70	205.63	205.56	205.49	205.43	205.87	205.77	205.68	205.59	205.50	205.41	205.32	205.23	205.14		
PROJECT ELEVATION									204.39	205.02	205.53	205.55	205.57	205.59	205.57	205.55	205.53	205.02	204.39											
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+000.00



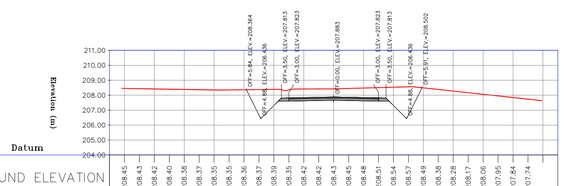
NATURAL GROUND ELEVATION	206.79	206.83	206.88	206.92	206.97	206.95	206.93	206.92	206.92	206.93	206.92	206.93	206.83	206.82	206.75	206.68	206.61	206.54	206.46	206.82	206.72	206.63	206.54	206.45	206.36	206.27	206.18	206.09		
PROJECT ELEVATION									205.15	205.79	206.30	206.32	206.34	206.36	206.34	206.32	206.30	206.30	205.79	205.15										
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	

3+010.00



NATURAL GROUND ELEVATION	207.73	207.73	207.71	207.69	207.68	207.66	207.64	207.63	207.64	207.65	207.67	207.68	207.65	207.64	207.65	207.66	207.66	207.59	207.50	207.71	207.68	207.59	207.50	207.41	207.32	207.23	207.14	207.05		
PROJECT ELEVATION									205.92	206.55	207.06	207.08	207.10	207.12	207.10	207.08	207.06	206.55	205.92											
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	

3+020.00



NATURAL GROUND ELEVATION	208.45	208.43	208.42	208.40	208.38	208.37	208.35	208.36	208.37	208.39	208.35	208.42	208.42	208.43	208.45	208.48	208.51	208.54	208.57	208.49	208.38	208.28	208.17	208.06	207.95	207.84	207.74			
PROJECT ELEVATION									206.68	207.31	207.82	207.84	207.86	207.88	207.86	207.84	207.82	207.31	206.68											
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

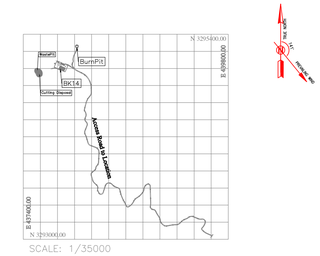
⊙	WELL LOCATION	→	CANAL
●	WELL	~	RIVER
▭	SITE	◥	WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD	⫴	BRIDGE
⌒	DAYLIGHT	⫴	CULVERT

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

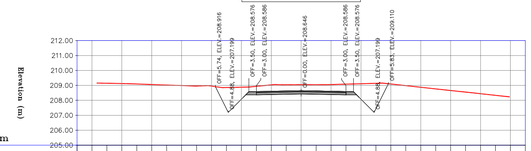
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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	76 OF 103	D01

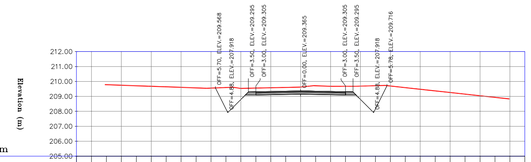
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	76	D02

3+030.00



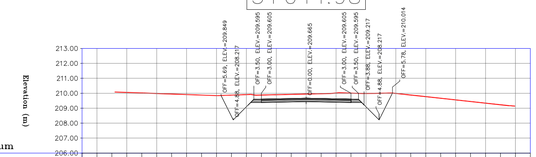
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	209.14	
-13.00	209.12	
-12.00	209.10	
-11.00	209.06	
-10.00	209.03	
-9.00	208.99	
-8.00	208.96	
-7.00	208.95	
-6.00	208.86	
-5.00	208.88	207.44
-4.00	208.94	208.08
-3.00	209.04	208.59
-2.00	209.04	208.61
-1.00	209.04	208.63
0.00	209.05	208.65
1.00	209.06	208.63
2.00	209.08	208.61
3.00	209.08	208.59
4.00	209.11	208.08
5.00	209.14	207.44
6.00	209.09	
7.00	208.98	
8.00	208.88	
9.00	208.77	
10.00	208.66	
11.00	208.55	
12.00	208.44	
13.00	208.34	
14.00		

3+040.00



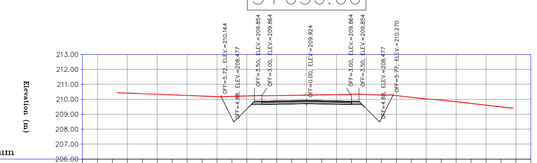
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	209.78	
-13.00	209.75	
-12.00	209.71	
-11.00	209.68	
-10.00	209.64	
-9.00	209.61	
-8.00	209.57	
-7.00	209.56	
-6.00	209.59	
-5.00	209.53	208.16
-4.00	209.56	208.80
-3.00	209.58	209.31
-2.00	209.60	209.33
-1.00	209.63	209.35
0.00	209.71	209.37
1.00	209.68	209.35
2.00	209.68	209.33
3.00	209.69	209.31
4.00	209.71	208.80
5.00	209.69	208.16
6.00	209.58	
7.00	209.48	
8.00	209.37	
9.00	209.26	
10.00	209.15	
11.00	209.04	
12.00	208.93	
13.00		
14.00		

3+044.98



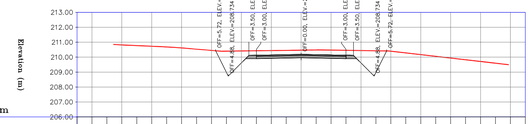
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	210.06	
-13.00	210.02	
-12.00	209.98	
-11.00	209.95	
-10.00	209.91	
-9.00	209.88	
-8.00	209.84	
-7.00	209.87	
-6.00	209.91	
-5.00	209.88	208.46
-4.00	209.90	209.09
-3.00	209.83	209.60
-2.00	209.84	209.64
-1.00	209.86	209.64
0.00	209.95	209.64
1.00	209.97	209.62
2.00	210.02	209.60
3.00	210.01	209.09
4.00	209.99	208.46
5.00	210.00	
6.00	209.99	
7.00	209.88	
8.00	209.77	
9.00	209.67	
10.00	209.56	
11.00	209.45	
12.00	209.34	
13.00	209.23	
14.00		

3+050.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	210.41	
-13.00	210.37	
-12.00	210.33	
-11.00	210.29	
-10.00	210.25	
-9.00	210.21	
-8.00	210.17	
-7.00	210.19	
-6.00	210.22	
-5.00	209.35	208.72
-4.00	209.86	209.35
-3.00	210.25	209.86
-2.00	210.25	209.88
-1.00	210.26	209.90
0.00	210.28	209.92
1.00	210.30	209.90
2.00	210.31	209.88
3.00	210.33	209.86
4.00	210.32	209.35
5.00	210.29	208.72
6.00	210.24	
7.00	210.13	
8.00	210.03	
9.00	209.95	
10.00	209.83	
11.00	209.72	
12.00	209.61	
13.00	209.49	
14.00		

3+056.05



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	210.82	
-13.00	210.78	
-12.00	210.73	
-11.00	210.68	
-10.00	210.62	
-9.00	210.53	
-8.00	210.45	
-7.00	210.40	
-6.00	210.41	
-5.00	209.61	208.98
-4.00	210.12	209.61
-3.00	210.14	210.12
-2.00	210.16	210.16
-1.00	210.18	210.18
0.00	210.16	210.16
1.00	210.14	210.14
2.00	210.12	209.61
3.00	209.61	208.98
4.00	210.44	
5.00	210.43	
6.00	210.40	
7.00	210.28	
8.00	210.17	
9.00	210.05	
10.00	209.94	
11.00	209.82	
12.00	209.71	
13.00	209.60	
14.00		

3+060.00

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	211.02	
-13.00	210.94	
-12.00	210.86	
-11.00	210.77	
-10.00	210.69	
-9.00	210.60	
-8.00	210.52	
-7.00	210.43	
-6.00	210.43	
-5.00	210.43	209.11
-4.00	210.44	209.75
-3.00	210.46	210.26
-2.00	210.47	210.28
-1.00	210.48	210.30
0.00	210.51	210.32
1.00	210.51	210.30
2.00	210.50	210.28
3.00	210.48	210.26
4.00	210.47	209.75
5.00	210.44	209.11
6.00	210.33	
7.00	210.21	
8.00	210.10	
9.00	209.98	
10.00	209.86	
11.00	209.75	
12.00	209.63	
13.00		
14.00		

3+067.11

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	211.10	
-13.00	211.01	
-12.00	210.93	
-11.00	210.84	
-10.00	210.76	
-9.00	210.67	
-8.00	210.59	
-7.00	210.50	
-6.00	210.47	
-5.00	210.48	209.29
-4.00	210.55	209.92
-3.00	210.57	210.43
-2.00	210.57	210.45
-1.00	210.56	210.47
0.00	210.56	210.49
1.00	210.55	210.47
2.00	210.54	210.45
3.00	210.52	210.43
4.00	210.46	209.92
5.00	210.34	209.29
6.00	210.23	
7.00	210.11	
8.00	209.99	
9.00	209.88	
10.00	209.76	
11.00	209.65	
12.00		
13.00		
14.00		

3+070.00

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	211.20	
-13.00	211.11	
-12.00	211.03	
-11.00	210.94	
-10.00	210.86	
-9.00	210.77	
-8.00	210.69	
-7.00	210.60	
-6.00	210.52	
-5.00	210.48	209.34
-4.00	210.55	209.97
-3.00	210.60	210.48
-2.00	210.50	210.50
-1.00	210.52	210.54
0.00	210.59	210.52
1.00	210.59	210.50
2.00	210.58	210.48
3.00	210.58	210.50
4.00	210.57	209.97
5.00	210.55	209.34
6.00	210.46	
7.00	210.34	
8.00	210.23	
9.00	210.11	
10.00	210.00	
11.00	209.88	
12.00	209.77	
13.00	209.65	
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

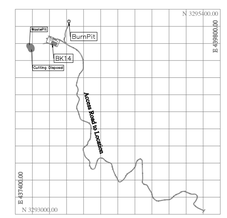
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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. BY	REV. 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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	77 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

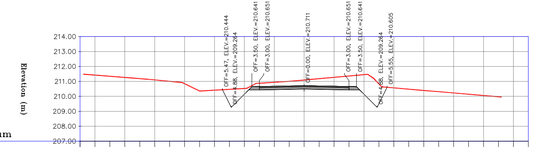
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

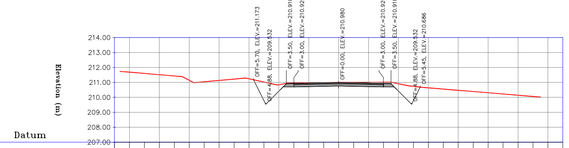
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	77	D02

3+080.00



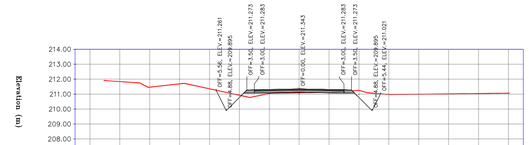
NATURAL GROUND ELEVATION	211.42	211.34	211.26	211.19	211.10	211.01	210.85	210.36	210.41	210.47	210.53	210.88	210.94	211.01	211.09	211.18	211.27	211.36	211.45	210.83	210.57	210.48	210.40	210.31	210.23	210.14	210.06	209.97		
PROJECT ELEVATION										209.51	210.14	210.65	210.67	210.69	210.71	210.69	210.67	210.65	210.14	209.51										
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	

3+090.00



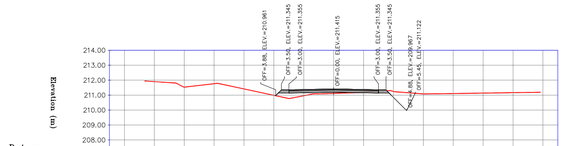
NATURAL GROUND ELEVATION	211.68	211.60	211.52	211.43	211.14	211.04	211.13	211.22	211.24	211.02	210.84	210.95	210.97	210.98	211.00	211.00	211.00	211.01	210.91	210.74	210.64	210.55	210.47	210.39	210.31	210.23	210.14	210.06		
PROJECT ELEVATION										209.78	210.41	210.92	210.94	210.96	210.98	210.96	210.94	210.92	210.41	209.78										
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+098.58



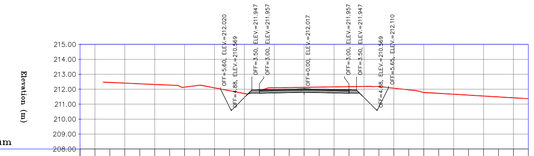
NATURAL GROUND ELEVATION	211.91	211.84	211.77	211.47	211.58	211.69	211.57	211.36	211.14	210.93	210.83	210.83	211.03	211.07	211.09	211.11	211.14	211.18	211.25	211.06	210.98	210.98	210.99	211.00	211.02	211.03	211.04	211.05	211.06	
PROJECT ELEVATION									210.14	210.77	211.28	211.30	211.32	211.34	211.32	211.30	211.28	210.77	210.14											
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+100.00



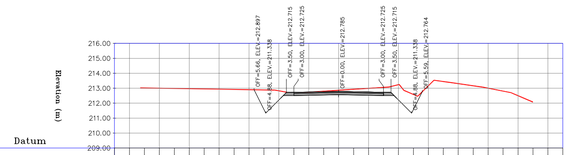
NATURAL GROUND ELEVATION	211.90	211.83	211.54	211.65	211.76	211.62	211.41	211.20	210.99	210.77	210.96	211.08	211.11	211.14	211.18	211.25	211.25	211.16	211.08	211.09	211.10	211.12	211.13	211.15	211.16	211.18				
PROJECT ELEVATION										211.35	211.37	211.39	211.41	211.39	211.37	211.35	210.84	210.21												
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	

3+110.00



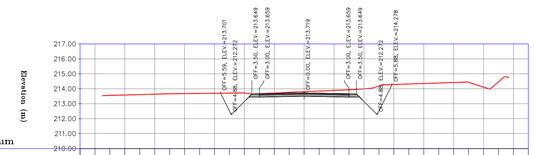
NATURAL GROUND ELEVATION	212.45	212.41	212.37	212.32	212.28	212.14	212.27	212.09	211.91	211.72	211.91	212.10	212.12	212.13	212.15	212.16	212.18	212.19	212.18	212.07	211.96	211.78	211.72	211.66	211.61	211.55	211.49	211.43		
PROJECT ELEVATION									210.81	211.45	211.96	211.98	212.00	212.02	212.00	211.98	211.96	211.45	210.81											
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+120.00



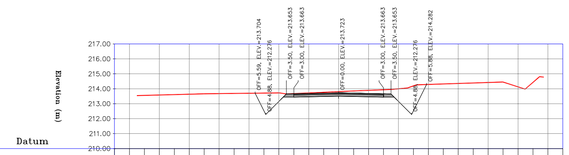
NATURAL GROUND ELEVATION	213.02	213.00	212.99	212.97	212.95	212.94	212.92	212.90	212.89	212.83	212.67	212.74	212.80	212.87	212.93	213.00	213.06	213.24	212.59	213.17	213.45	213.31	213.17	213.00	212.81	212.50				
PROJECT ELEVATION										211.58	212.22	212.73	212.75	212.77	212.79	212.77	212.75	212.73	212.22	211.58										
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	

3+130.00



NATURAL GROUND ELEVATION	213.56	213.58	213.58	213.61	213.64	213.66	213.67	213.69	213.70	213.71	213.72	213.67	213.71	213.76	213.80	213.85	213.89	213.93	214.00	214.19	214.28	214.32	214.35	214.38	214.42	214.43	214.11	214.46		
PROJECT ELEVATION										212.52	213.15	213.66	213.68	213.70	213.72	213.70	213.68	213.66	213.15	212.52										
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	

3+130.04



NATURAL GROUND ELEVATION	213.56	213.58	213.61	213.64	213.67	213.68	213.69	213.70	213.71	213.72	213.67	213.72	213.76	213.81	213.85	213.89	213.94	214.00	214.19	214.29	214.32	214.35	214.39	214.42	214.45	214.13	214.43			
PROJECT ELEVATION										212.52	213.15	213.66	213.68	213.70	213.72	213.70	213.68	213.66	213.15	212.52										
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	

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

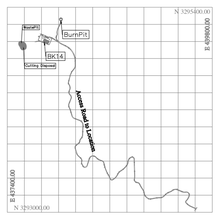
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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

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.

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 TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	78 OF 103	D01

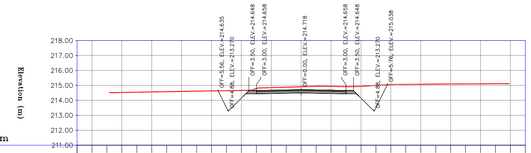
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

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	78	D02

3+140.00

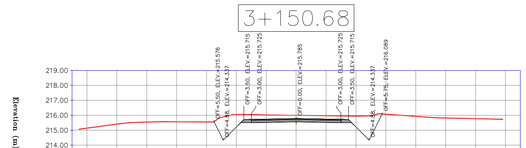


DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	214.53	
-13.00	214.54	
-12.00	214.56	
-11.00	214.58	
-10.00	214.59	
-9.00	214.61	
-8.00	214.63	
-7.00	214.64	
-6.00	214.66	
-5.00	214.79	213.52
-4.00	214.85	214.15
-3.00	214.88	214.66
-2.00	214.91	214.68
-1.00	214.94	214.70
0.00	214.93	214.72
1.00	214.94	214.70
2.00	214.93	214.68
3.00	214.92	214.66
4.00	214.93	214.15
5.00	214.99	213.52
6.00	215.06	
7.00	215.07	
8.00	215.08	
9.00	215.08	
10.00	215.09	
11.00	215.10	
12.00	215.10	
13.00	215.11	
14.00		

3+150.00

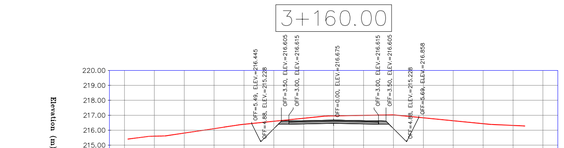
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.14	
-13.00	215.27	
-12.00	215.40	
-11.00	215.46	
-10.00	215.49	
-9.00	215.51	
-8.00	215.50	
-7.00	215.49	
-6.00	215.68	
-5.00	215.98	214.51
-4.00	215.98	215.15
-3.00	215.96	215.66
-2.00	215.93	215.68
-1.00	215.92	215.70
0.00	215.91	215.72
1.00	215.90	215.70
2.00	215.89	215.68
3.00	215.88	215.66
4.00	215.90	215.15
5.00	216.01	214.51
6.00	215.94	
7.00	215.87	
8.00	215.80	
9.00	215.77	
10.00	215.75	
11.00	215.73	
12.00	215.71	
13.00		
14.00		

3+150.68



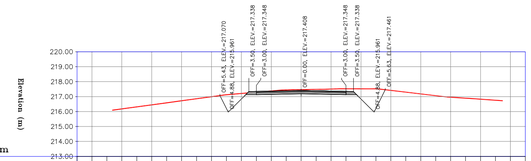
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.14	
-13.00	215.27	
-12.00	215.41	
-11.00	215.51	
-10.00	215.55	
-9.00	215.57	
-8.00	215.56	
-7.00	215.56	
-6.00	215.55	
-5.00	215.86	
-4.00	216.06	214.58
-3.00	216.06	215.21
-2.00	216.02	215.72
-1.00	216.01	215.76
0.00	216.00	215.78
1.00	215.98	215.76
2.00	215.97	215.74
3.00	215.96	215.72
4.00	215.95	215.21
5.00	215.97	214.58
6.00	216.07	
7.00	216.00	
8.00	215.93	
9.00	215.86	
10.00	215.82	
11.00	215.80	
12.00	215.77	
13.00	215.75	
14.00		

3+160.00



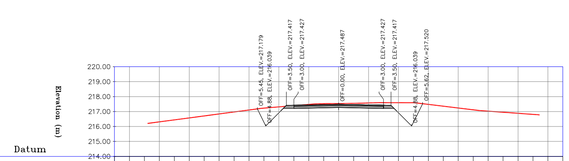
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.51	
-13.00	215.60	
-12.00	215.66	
-11.00	215.81	
-10.00	215.96	
-9.00	216.11	
-8.00	216.26	
-7.00	216.39	
-6.00	216.49	
-5.00	216.60	215.47
-4.00	216.70	216.11
-3.00	216.80	216.62
-2.00	216.90	216.64
-1.00	216.96	216.66
0.00	216.98	216.68
1.00	216.99	216.66
2.00	217.01	216.64
3.00	217.02	216.62
4.00	216.83	216.11
5.00	216.73	215.47
6.00	216.63	
7.00	216.54	
8.00	216.44	
9.00	216.37	
10.00	216.32	
11.00		
12.00		
13.00		
14.00		

3+170.00



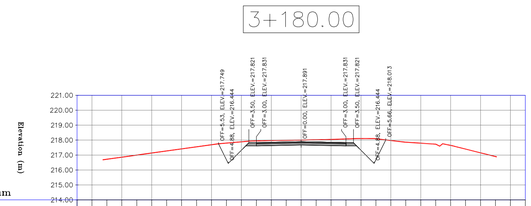
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	216.18	
-13.00	216.31	
-12.00	216.45	
-11.00	216.59	
-10.00	216.72	
-9.00	216.86	
-8.00	216.99	
-7.00	217.12	
-6.00	217.21	
-5.00	217.29	216.21
-4.00	217.38	216.84
-3.00	217.45	217.35
-2.00	217.46	217.37
-1.00	217.48	217.39
0.00	217.51	217.41
1.00	217.52	217.39
2.00	217.52	217.37
3.00	217.52	217.35
4.00	217.52	216.84
5.00	217.42	216.21
6.00	217.30	
7.00	217.18	
8.00	217.06	
9.00	216.96	
10.00	216.89	
11.00	216.82	
12.00	216.75	
13.00		
14.00		

3+171.32



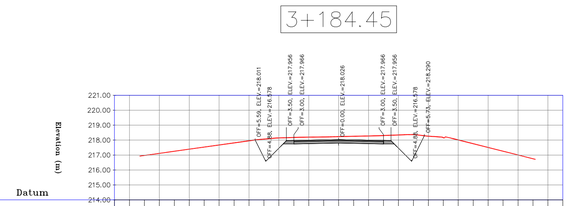
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	216.31	
-13.00	216.44	
-12.00	216.57	
-11.00	216.71	
-10.00	216.84	
-9.00	216.97	
-8.00	217.11	
-7.00	217.23	
-6.00	217.31	216.28
-5.00	217.40	216.92
-4.00	217.48	217.43
-3.00	217.53	217.45
-2.00	217.54	217.47
-1.00	217.55	217.49
0.00	217.57	217.47
1.00	217.59	217.45
2.00	217.59	217.43
3.00	217.59	216.92
4.00	217.47	216.28
5.00	217.35	
6.00	217.24	
7.00	217.12	
8.00	217.02	
9.00	216.95	
10.00	216.88	
11.00	216.81	
12.00		
13.00		
14.00		

3+180.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	216.72	
-13.00	216.86	
-12.00	217.00	
-11.00	217.14	
-10.00	217.27	
-9.00	217.41	
-8.00	217.55	
-7.00	217.69	
-6.00	217.80	
-5.00	217.88	216.69
-4.00	217.94	217.32
-3.00	217.97	217.83
-2.00	217.98	217.87
-1.00	218.00	217.89
0.00	218.02	217.87
1.00	218.04	217.85
2.00	218.08	217.83
3.00	218.10	217.32
4.00	218.09	216.69
5.00	217.97	
6.00	217.86	
7.00	217.79	
8.00	217.73	
9.00	217.65	
10.00	217.40	
11.00	217.15	
12.00	216.90	
13.00		
14.00		

3+184.45



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	216.97	
-13.00	217.11	
-12.00	217.25	
-11.00	217.39	
-10.00	217.53	
-9.00	217.67	
-8.00	217.81	
-7.00	217.95	
-6.00	218.07	
-5.00	218.15	216.82
-4.00	218.18	217.46
-3.00	218.20	217.97
-2.00	218.21	217.99
-1.00	218.21	218.01
0.00	218.23	218.03
1.00	218.26	218.01
2.00	218.28	217.99
3.00	218.31	217.97
4.00	218.35	217.46
5.00	218.37	216.82
6.00	218.36	
7.00	218.17	
8.00	218.01	
9.00	217.76	
10.00	217.51	
11.00	217.26	
12.00	217.01	
13.00	216.75	
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

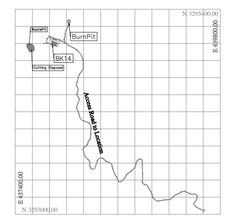
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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 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	79 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

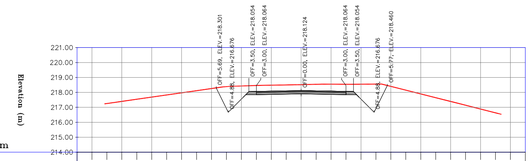
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

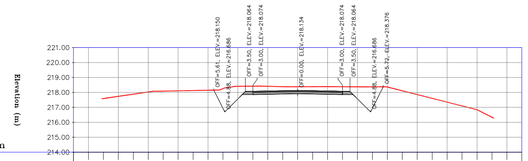
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	79	D02

3+190.00



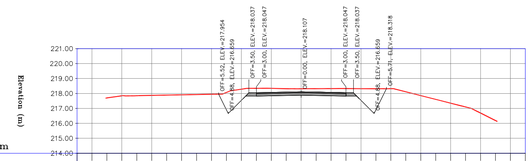
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	217.26	
-13.00	217.40	
-12.00	217.54	
-11.00	217.68	
-10.00	217.83	
-9.00	217.97	
-8.00	218.11	
-7.00	218.26	
-6.00	218.38	
-5.00	218.38	216.92
-4.00	218.43	217.55
-3.00	218.47	218.06
-2.00	218.48	218.08
-1.00	218.50	218.10
0.00	218.52	218.12
1.00	218.54	218.10
2.00	218.55	218.08
3.00	218.55	218.06
4.00	218.55	217.55
5.00	218.56	216.92
6.00	218.40	
7.00	218.15	
8.00	217.90	
9.00	217.64	
10.00	217.39	
11.00	217.14	
12.00	216.89	
13.00	216.64	
14.00		

3+197.57



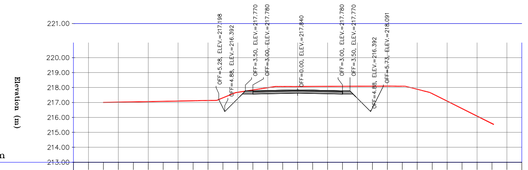
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	217.59	
-13.00	217.74	
-12.00	217.88	
-11.00	218.03	
-10.00	218.09	
-9.00	218.10	
-8.00	218.12	
-7.00	218.14	
-6.00	218.25	
-5.00	218.41	216.93
-4.00	218.42	217.56
-3.00	218.41	218.07
-2.00	218.38	218.09
-1.00	218.38	218.11
0.00	218.38	218.13
1.00	218.38	218.11
2.00	218.38	218.09
3.00	218.38	218.07
4.00	218.37	217.56
5.00	218.36	216.93
6.00	218.11	
7.00	217.85	
8.00	217.60	
9.00	217.35	
10.00	217.10	
11.00	216.84	
12.00	216.34	
13.00		
14.00		

3+200.00



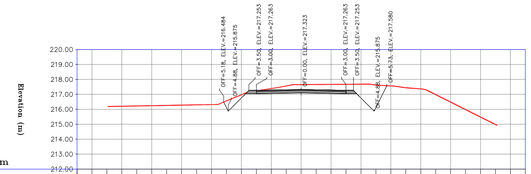
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	217.70	
-13.00	217.84	
-12.00	217.85	
-11.00	217.87	
-10.00	217.89	
-9.00	217.91	
-8.00	217.93	
-7.00	217.94	
-6.00	218.07	
-5.00	218.29	216.90
-4.00	218.35	217.54
-3.00	218.34	218.05
-2.00	218.32	218.07
-1.00	218.32	218.09
0.00	218.32	218.11
1.00	218.32	218.09
2.00	218.33	218.07
3.00	218.33	218.05
4.00	218.32	217.54
5.00	218.31	216.90
6.00	218.32	
7.00	218.11	
8.00	217.86	
9.00	217.61	
10.00	217.35	
11.00	217.10	
12.00	216.69	
13.00	216.19	
14.00		

3+210.00



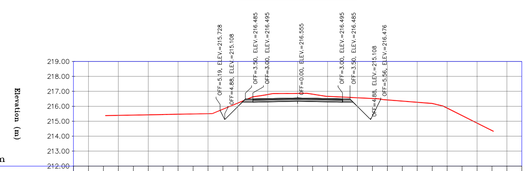
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	217.00	
-13.00	217.02	
-12.00	217.04	
-11.00	217.06	
-10.00	217.07	
-9.00	217.09	
-8.00	217.11	
-7.00	217.11	
-6.00	217.13	
-5.00	217.31	216.64
-4.00	217.68	217.27
-3.00	217.84	217.78
-2.00	217.99	217.80
-1.00	218.07	217.82
0.00	218.07	217.84
1.00	218.07	217.82
2.00	218.08	217.80
3.00	218.08	217.78
4.00	218.08	217.27
5.00	218.09	216.64
6.00	218.09	
7.00	218.09	
8.00	217.88	
9.00	217.59	
10.00	217.09	
11.00	216.59	
12.00	216.09	
13.00	215.59	
14.00		

3+220.00



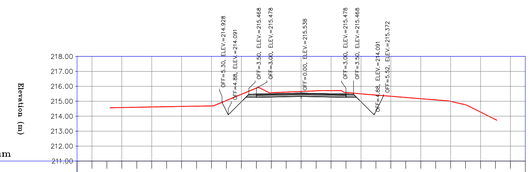
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	216.20	
-13.00	216.22	
-12.00	216.24	
-11.00	216.26	
-10.00	216.28	
-9.00	216.30	
-8.00	216.32	
-7.00	216.56	
-6.00	216.98	
-5.00	217.23	216.12
-4.00	217.39	216.75
-3.00	217.56	217.26
-2.00	217.65	217.28
-1.00	217.66	217.30
0.00	217.67	217.32
1.00	217.67	217.30
2.00	217.67	217.28
3.00	217.67	217.26
4.00	217.68	216.75
5.00	217.62	216.12
6.00	217.57	
7.00	217.44	
8.00	217.36	
9.00	216.98	
10.00	216.48	
11.00	215.98	
12.00	215.48	
13.00	214.99	
14.00		

3+230.00



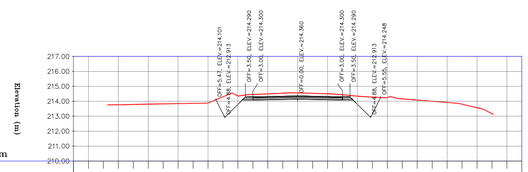
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	215.39	
-13.00	215.41	
-12.00	215.43	
-11.00	215.45	
-10.00	215.47	
-9.00	215.49	
-8.00	215.51	
-7.00	215.81	
-6.00	216.22	
-5.00	216.63	215.35
-4.00	216.79	215.99
-3.00	216.86	216.50
-2.00	216.86	216.52
-1.00	216.81	216.54
0.00	216.66	216.56
1.00	216.62	216.54
2.00	216.57	216.52
3.00	216.52	216.50
4.00	216.43	215.99
5.00	216.35	215.35
6.00	216.27	
7.00	216.19	
8.00	215.88	
9.00	215.38	
10.00	214.88	
11.00	214.38	
12.00		
13.00		
14.00		

3+240.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	214.58	
-13.00	214.60	
-12.00	214.62	
-11.00	214.63	
-10.00	214.65	
-9.00	214.67	
-8.00	214.69	
-7.00	215.05	
-6.00	215.47	
-5.00	215.88	214.34
-4.00	215.47	214.97
-3.00	215.48	215.48
-2.00	215.50	215.50
-1.00	215.52	215.52
0.00	215.54	215.54
1.00	215.52	215.50
2.00	215.50	215.48
3.00	215.48	214.97
4.00	215.41	214.34
5.00	215.33	
6.00	215.25	
7.00	215.17	
8.00	215.09	
9.00	214.99	
10.00	214.77	
11.00	214.28	
12.00	213.78	
13.00		
14.00		

3+250.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	213.76	
-13.00	213.78	
-12.00	213.80	
-11.00	213.82	
-10.00	213.84	
-9.00	213.86	
-8.00	213.88	
-7.00	214.30	
-6.00	214.36	
-5.00	214.45	213.16
-4.00	214.49	213.79
-3.00	214.52	214.30
-2.00	214.54	214.32
-1.00	214.56	214.34
0.00	214.56	214.36
1.00	214.53	214.32
2.00	214.50	214.30
3.00	214.43	213.79
4.00	214.34	213.16
5.00	214.28	
6.00	214.25	
7.00	214.16	
8.00	214.08	
9.00	214.00	
10.00	213.92	
11.00	213.80	
12.00	213.57	
13.00	213.17	
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

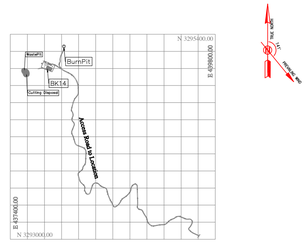
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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.
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	DATE	REV. APPR. 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 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	80 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

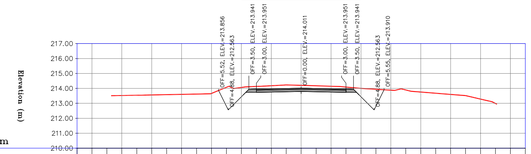
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

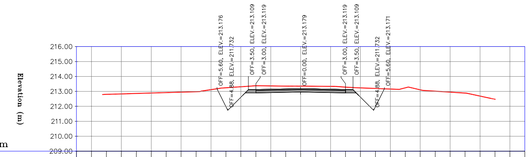
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	80	D02

3+252.96



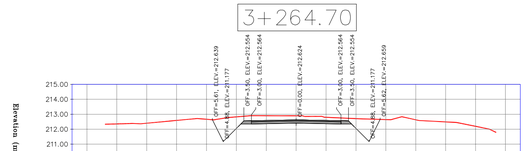
NATURAL GROUND ELEVATION	213.52	213.54	213.56	213.58	213.60	213.62	213.66	214.07	214.06	214.13	214.18	214.23	214.20	214.01	214.17	214.14	214.09	214.00	213.94	213.88	213.89	213.75	213.68	213.60	213.51	213.29	212.99			
PROJECT ELEVATION	212.81	213.44	213.95	213.97	213.99	214.01	213.99	213.97	213.95	213.44	212.81																			
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+260.00



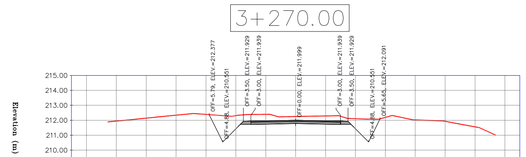
NATURAL GROUND ELEVATION	212.80	212.83	212.86	212.89	212.92	212.95	212.98	213.11	213.24	213.31	213.38	213.37	213.36	213.35	213.34	213.34	213.29	213.23	213.20	213.16	213.24	213.11	213.01	212.95	212.89	212.69	212.47			
PROJECT ELEVATION	211.98	212.61	213.12	213.14	213.16	213.18	213.16	213.14	213.12	212.61	211.98																			
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	

3+264.70



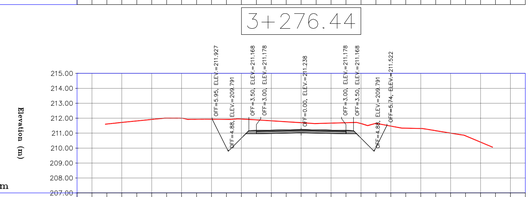
NATURAL GROUND ELEVATION	212.35	212.38	212.40	212.49	212.59	212.68	212.67	212.71	212.83	212.90	212.90	212.90	212.86	212.80	212.76	212.71	212.68	212.65	212.82	212.63	212.54	212.49	212.39	212.19	211.97					
PROJECT ELEVATION	211.42	212.05	212.56	212.58	212.60	212.62	212.60	212.58	212.56	212.05	211.42																			
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+270.00



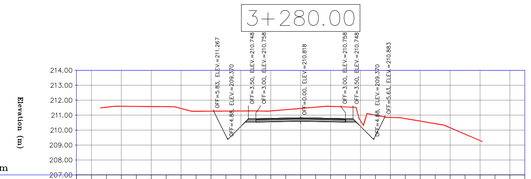
NATURAL GROUND ELEVATION	211.95	212.04	212.14	212.24	212.34	212.44	212.39	212.32	212.31	212.39	212.40	212.23	212.25	212.27	212.29	212.27	212.10	212.08	212.19	212.21	212.03	211.99	211.93	211.74	211.56	211.18				
PROJECT ELEVATION	210.80	211.43	211.94	211.96	211.98	212.00	211.98	211.96	211.94	211.43	210.80																			
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+276.44



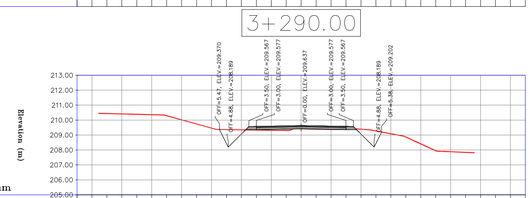
NATURAL GROUND ELEVATION	211.61	211.71	211.82	211.92	212.01	212.00	211.92	211.93	211.92	211.94	211.89	211.83	211.76	211.70	211.70	211.65	211.67	211.65	211.66	211.47	211.33	211.31	211.17	211.01	210.82	210.40				
PROJECT ELEVATION	210.04	210.67	211.18	211.20	211.22	211.24	211.22	211.20	211.18	210.67	210.04																			
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+280.00



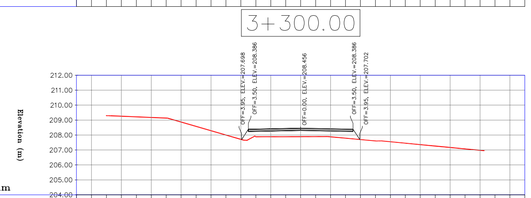
NATURAL GROUND ELEVATION	211.53	211.60	211.59	211.58	211.57	211.44	211.26	211.27	211.27	211.28	211.28	211.28	211.37	211.45	211.54	211.59	211.55	210.63	210.00	210.85	210.77	210.60	210.44	210.16	209.73	209.30				
PROJECT ELEVATION	209.62	210.25	210.76	210.78	210.80	210.82	210.80	210.78	210.76	210.25	209.62																			
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	

3+290.00



NATURAL GROUND ELEVATION	210.44	210.41	210.39	210.36	210.29	210.02	209.74	209.47	209.36	209.35	209.33	209.30	209.42	209.40	209.38	209.40	209.39	209.27	209.09	208.87	208.41	207.96	207.88	207.84						
PROJECT ELEVATION	208.43	209.07	209.58	209.60	209.62	209.64	209.62	209.60	209.58	209.07	208.43																			
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+300.00



NATURAL GROUND ELEVATION	209.30	209.26	209.22	209.18	209.14	208.87	208.58	208.29	208.00	207.71	207.88	207.88	207.89	207.89	207.90	207.88	207.79	207.70	207.61	207.55	207.46	207.36	207.27	207.17	207.08	206.98				
PROJECT ELEVATION	208.40	208.42	208.44	208.46	208.44	208.42	208.40																							
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.
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".
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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
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ABBREVIATION

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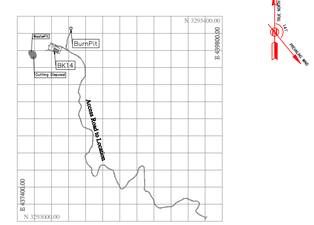
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

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

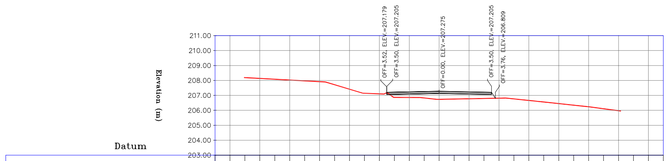
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

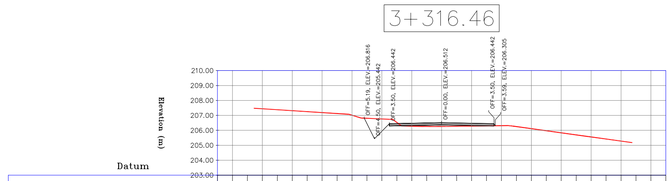
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	81 OF 103	D01	053-073-9184	F	4	S	708209	81	D02

3+310.00



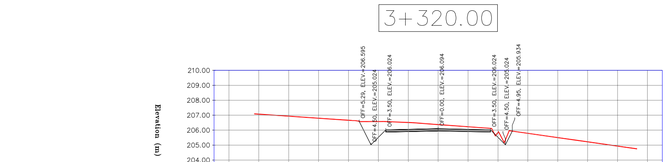
NATURAL GROUND ELEVATION	208.19	208.14	208.08	208.03	207.97	207.92	207.71	207.41	207.14	207.10	206.87	206.86	206.82	206.74	206.76	206.78	206.79	206.81	206.76	206.66	206.55	206.45	206.35	206.24	206.11	205.98
PROJECT ELEVATION										207.22	207.24	207.26	207.28	207.26	207.24	207.22												
DIST. (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

3+316.46



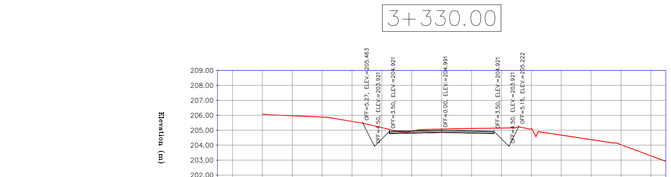
NATURAL GROUND ELEVATION	207.44	207.38	207.31	207.25	207.19	207.12	207.01	206.81	206.76	206.53	206.28	206.26	206.26	206.27	206.28	206.30	206.31	206.25	206.11	205.98	205.84	205.70	205.56	205.42	205.28			
PROJECT ELEVATION								206.44	205.94	206.45	206.47	206.49	206.51	206.49	206.47	206.45												
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+320.00



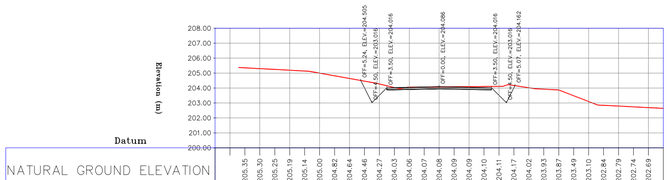
NATURAL GROUND ELEVATION	207.07	207.00	206.93	206.87	206.80	206.73	206.66	206.58	206.55	206.51	206.45	206.37	206.30	206.23	206.16	206.85	205.93	205.79	205.64	205.50	205.36	205.22	205.08	204.94	204.79			
PROJECT ELEVATION										206.02	205.52	206.03	206.05	206.07	206.09	206.07	206.05	206.03	205.52									
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

3+330.00



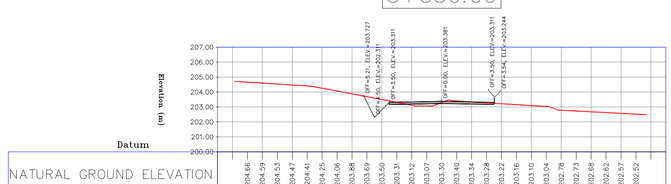
NATURAL GROUND ELEVATION	206.07	206.01	205.97	205.92	205.88	205.76	205.59	205.40	205.17	204.95	204.93	204.93	204.95	205.05	205.07	205.09	205.11	205.13	205.15	205.18	205.13	204.82	204.67	204.52	204.37	204.22	204.03	203.66	203.29
PROJECT ELEVATION								204.92	204.42	204.93	204.95	204.97	204.97	204.99	204.97	204.95	204.93	204.93	204.42	204.92								
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

3+340.00



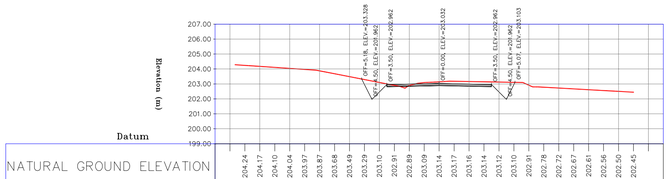
NATURAL GROUND ELEVATION	205.35	205.30	205.25	205.19	205.14	205.00	204.82	204.64	204.46	204.27	204.03	204.06	204.07	204.08	204.09	204.10	204.11	204.17	204.02	203.93	203.87	203.49	203.10	202.84	202.79	202.74	202.69	
PROJECT ELEVATION										204.02	203.52	204.03	204.05	204.07	204.09	204.07	204.05	204.03	203.52	204.02								
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

3+350.00



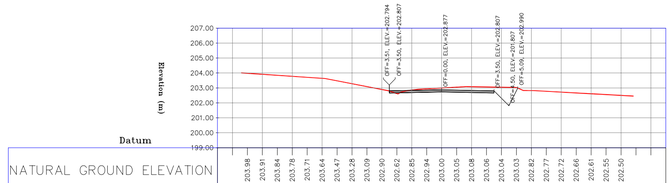
NATURAL GROUND ELEVATION	204.66	204.59	204.53	204.47	204.41	204.25	204.06	203.88	203.69	203.50	203.31	203.12	203.07	203.30	203.40	203.34	203.28	203.22	203.16	203.10	203.04	202.78	202.73	202.68	202.62	202.57	202.52	
PROJECT ELEVATION									203.31	202.81	203.32	203.34	203.36	203.38	203.36	203.34	203.32											
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

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	203.14	203.12	203.10	202.91	202.78	202.72	202.67	202.61	202.56	202.50	202.45	
PROJECT ELEVATION										202.96	202.46	202.97	202.99	203.01	203.03	203.01	202.99	202.97	202.46	202.96								
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

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	202.84	202.94	203.00	203.05	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	202.84	202.86	202.88	202.86	202.84	202.82	202.31	202.81								
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

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
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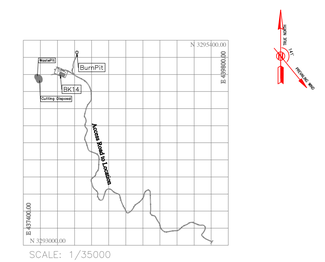
KEY PLAN



SCALE: 1/35000

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	82 OF 103	D01

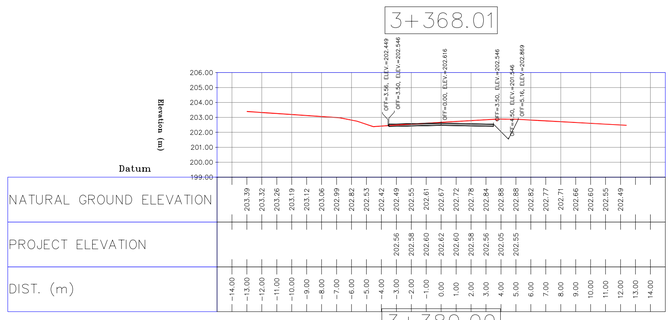
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

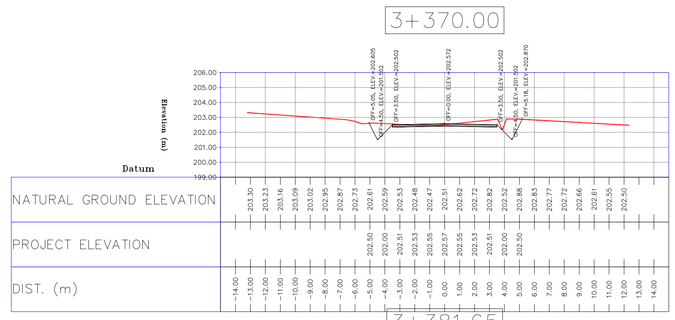
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

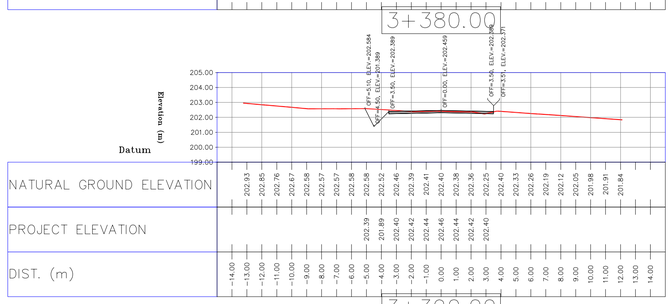
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

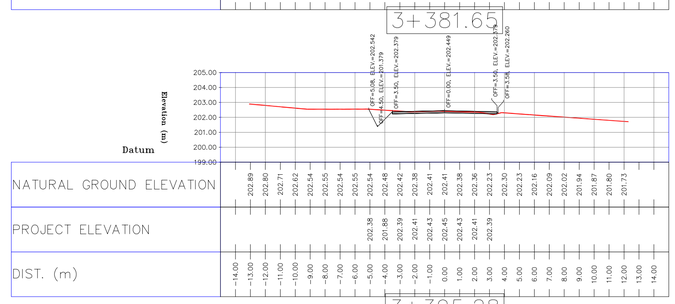
APPROVED FOR CONSTRUCTION | BY: | DATE:

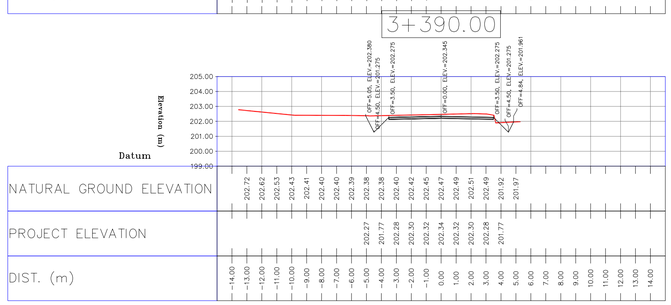
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	82	D02

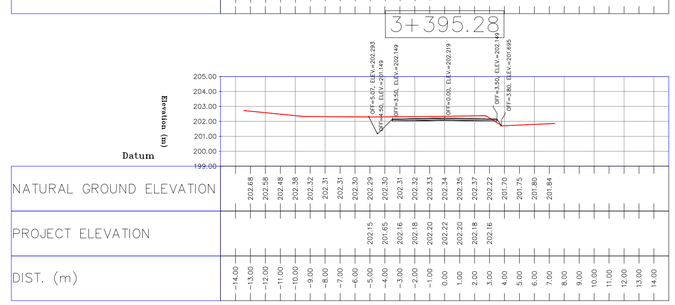


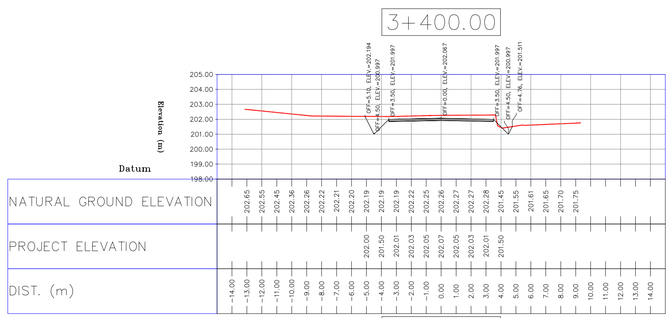


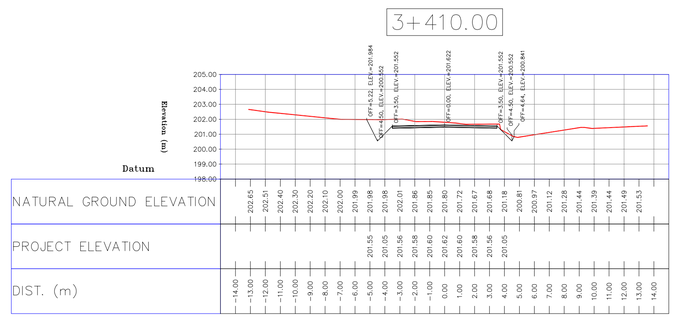


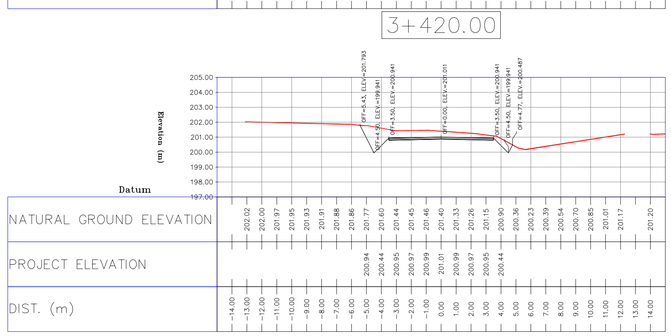


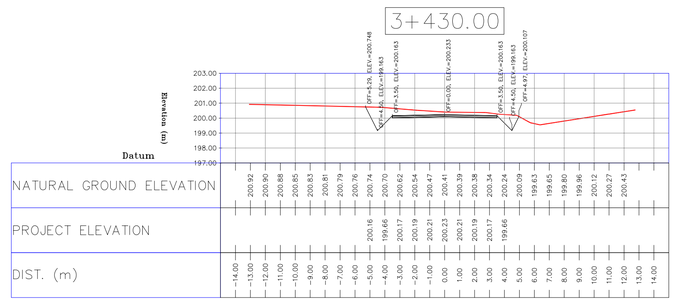












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VERTICAL DATUM:	MSL

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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
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

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

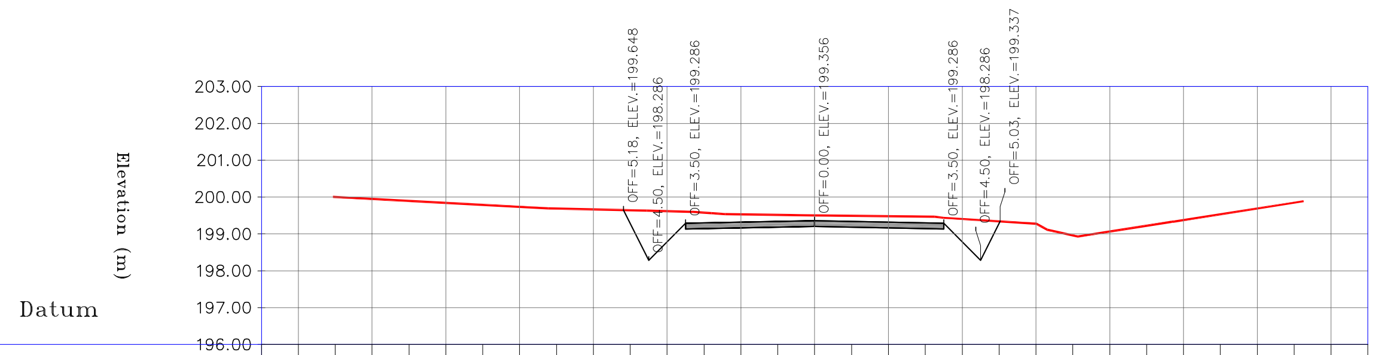
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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 103	D01

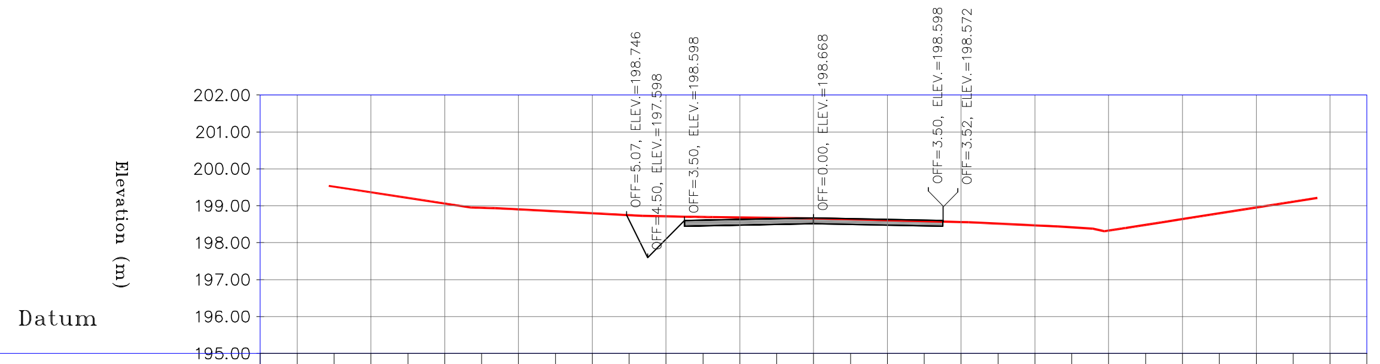
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	83	D02

3+440.00



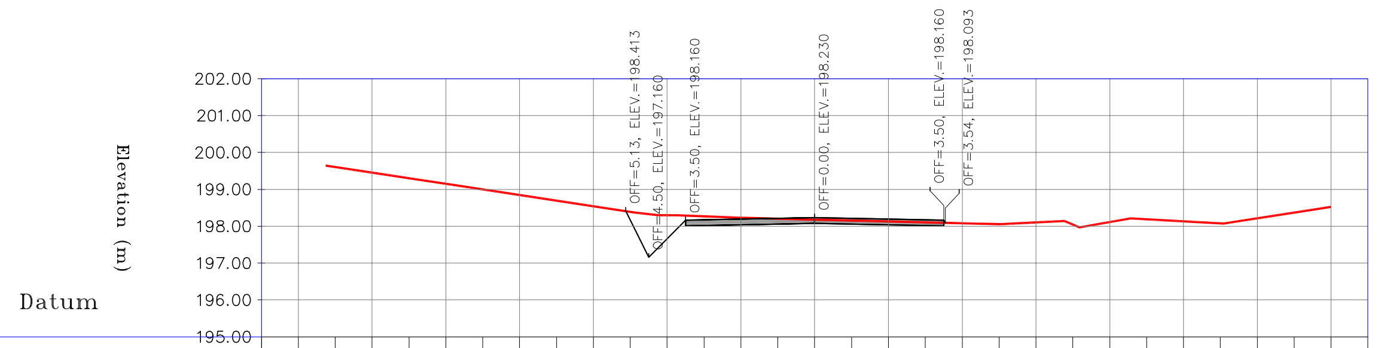
NATURAL GROUND ELEVATION		200.00	199.95	199.89	199.84	199.79	199.74	199.69	199.67	199.64	199.62	199.58	199.53	199.52	199.51	199.49	199.48	199.47	199.40	199.34	199.27	198.96	199.06	199.22	199.38	199.53	199.69	199.85	
PROJECT ELEVATION										199.29	198.79	199.30	199.32	199.34	199.36	199.34	199.32	199.30	198.79	199.29									
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+450.00



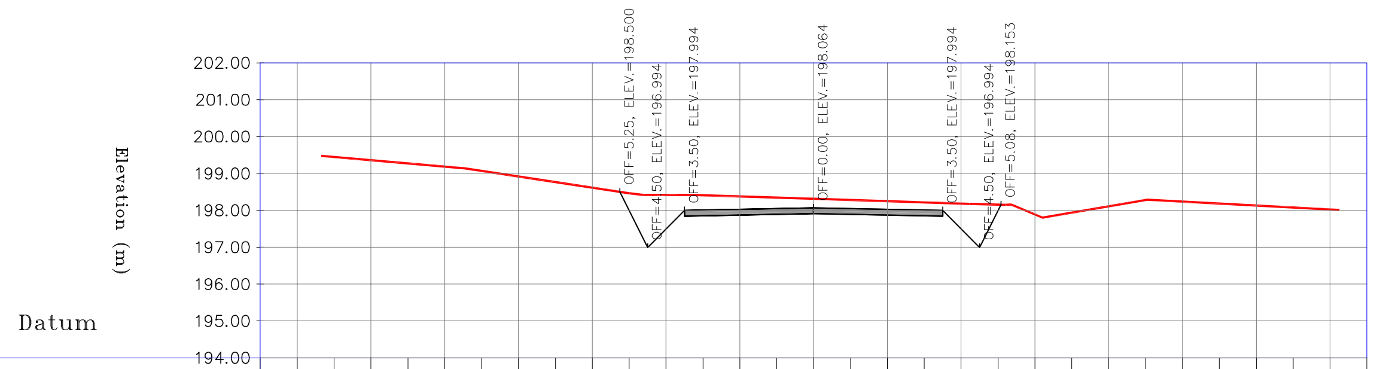
NATURAL GROUND ELEVATION		199.52	199.37	199.21	199.06	198.95	198.90	198.85	198.80	198.74	198.71	198.70	198.68	198.67	198.66	198.63	198.61	198.58	198.56	198.52	198.47	198.42	198.33	198.48	198.64	198.80	198.95	199.11	
PROJECT ELEVATION										198.60	198.10	198.61	198.63	198.65	198.67	198.65	198.63	198.61											
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



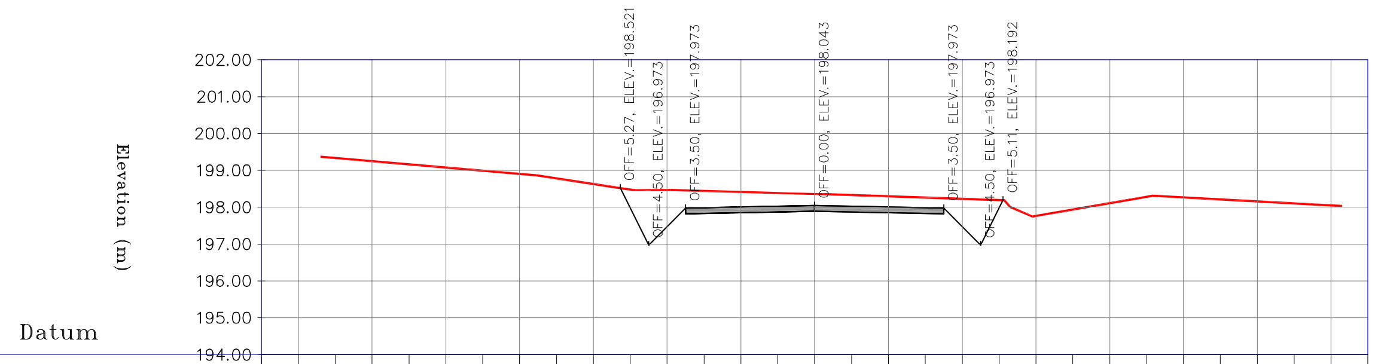
NATURAL GROUND ELEVATION		199.61	199.45	199.30	199.15	199.00	198.85	198.70	198.55	198.39	198.30	198.27	198.23	198.20	198.18	198.15	198.13	198.11	198.08	198.06	198.11	198.05	198.11	198.19	198.13	198.08	198.21	198.37	
PROJECT ELEVATION										198.16	197.66	198.17	198.19	198.21	198.23	198.21	198.19	198.17											
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



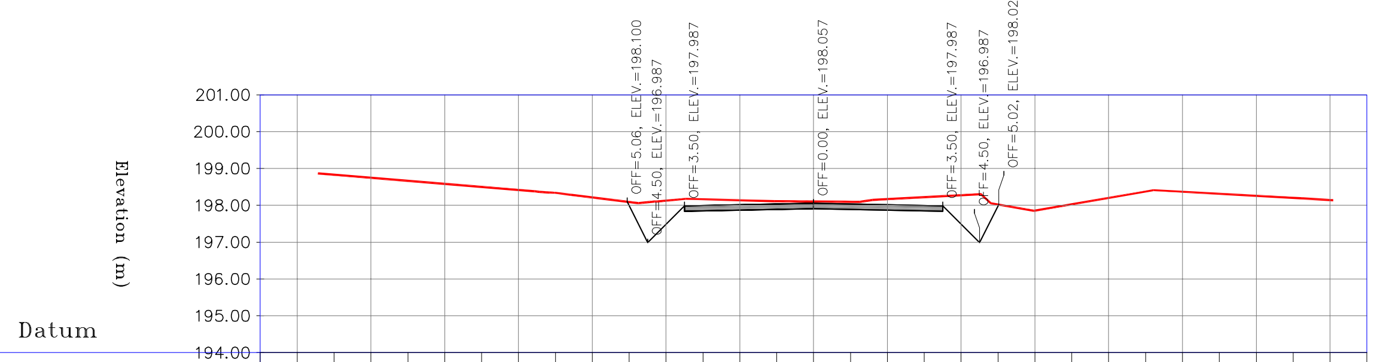
NATURAL GROUND ELEVATION		199.44	199.36	199.27	199.18	199.07	198.92	198.76	198.61	198.46	198.42	198.41	198.38	198.34	198.31	198.28	198.25	198.21	198.18	198.15	197.89	197.94	198.11	198.28	198.24	198.18	198.13	198.07	198.02
PROJECT ELEVATION										197.99	197.49	198.00	198.02	198.04	198.06	198.04	198.02	198.00	197.49	197.99									
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

3+470.00



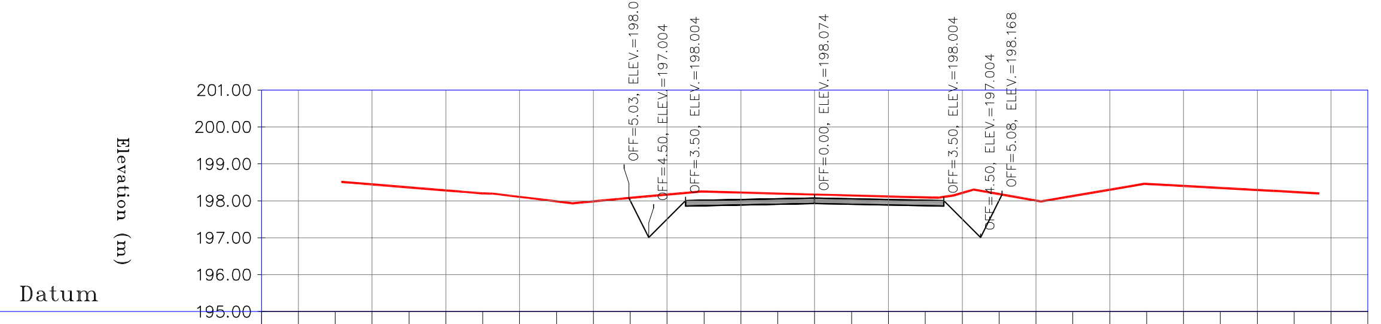
NATURAL GROUND ELEVATION		199.34	199.25	199.16	199.08	198.99	198.91	198.78	198.63	198.48	198.46	198.44	198.41	198.39	198.36	198.33	198.29	198.26	198.23	198.20	197.77	197.94	198.11	198.29	198.27	198.21	198.16	198.10	198.05
PROJECT ELEVATION										197.97	197.47	197.98	198.00	198.02	198.04	198.02	198.00	197.98	197.47	197.97									
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+480.00



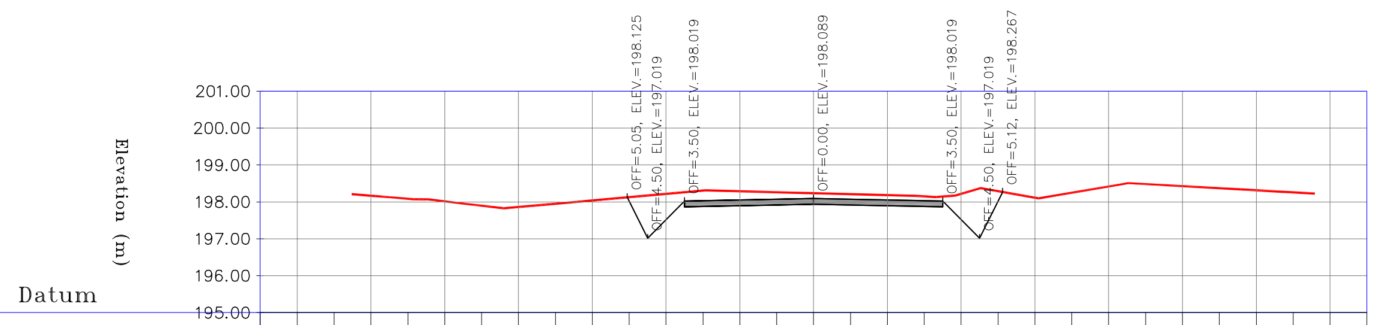
NATURAL GROUND ELEVATION		198.83	198.74	198.66	198.58	198.50	198.41	198.34	198.22	198.09	198.13	198.16	198.14	198.11	198.11	198.10	198.17	198.22	198.27	198.02	197.86	198.03	198.20	198.37	198.37	198.31	198.26	198.20	198.14
PROJECT ELEVATION										197.99	197.49	198.00	198.02	198.04	198.06	198.04	198.02	198.00	197.49	197.99									
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

3+485.37



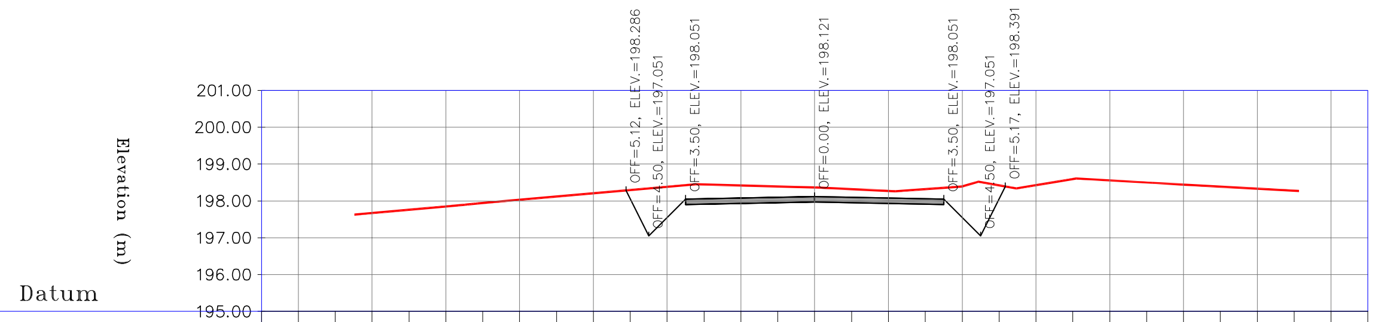
NATURAL GROUND ELEVATION			198.44	198.36	198.28	198.20	198.11	197.99	197.99	198.08	198.17	198.25	198.22	198.20	198.17	198.14	198.12	198.09	198.21	198.18	198.01	198.13	198.30	198.46	198.40	198.35	198.29	198.24	
PROJECT ELEVATION										198.00	197.50	198.01	198.03	198.05	198.07	198.05	198.03	198.01	197.50	198.00									
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+490.00



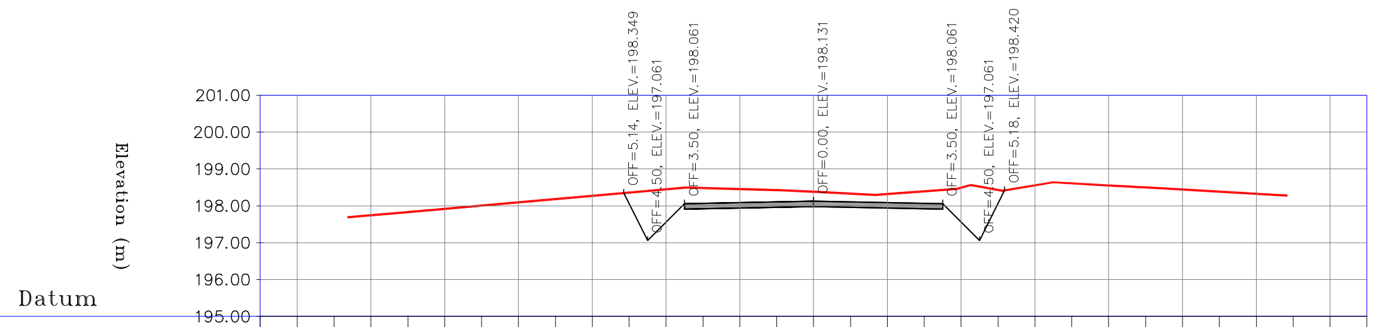
NATURAL GROUND ELEVATION			198.17	198.09	198.01	197.90	197.86	197.95	198.04	198.13	198.22	198.31	198.29	198.26	198.24	198.21	198.18	198.15	198.22	198.29	198.11	198.25	198.42	198.48	198.43	198.37	198.31	198.26	
PROJECT ELEVATION										198.02	197.52	198.03	198.05	198.07	198.09	198.07	198.05	198.03	197.52	198.02									
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

3+500.00



NATURAL GROUND ELEVATION			197.67	197.76	197.85	197.94	198.03	198.12	198.21	198.30	198.38	198.45	198.42	198.39	198.36	198.32	198.27	198.32	198.39	198.42	198.42	198.59	198.56	198.50	198.44	198.39	198.33	198.27	
PROJECT ELEVATION										198.05	197.55	198.06	198.08	198.10	198.12	198.10	198.08	198.06	197.55	198.05									
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

3+503.07



NATURAL GROUND ELEVATION			197.74	197.83	197.92	198.01	198.10	198.19	198.27	198.36	198.45	198.48	198.46	198.43	198.38	198.33	198.32	198.39	198.49	198.43	198.56	198.61	198.55	198.50	198.44	198.38	198.33		
PROJECT ELEVATION										198.06	197.56	198.07	198.09	198.11	198.13	198.11	198.09	198.07	197.56	198.06									
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.

LEGEND

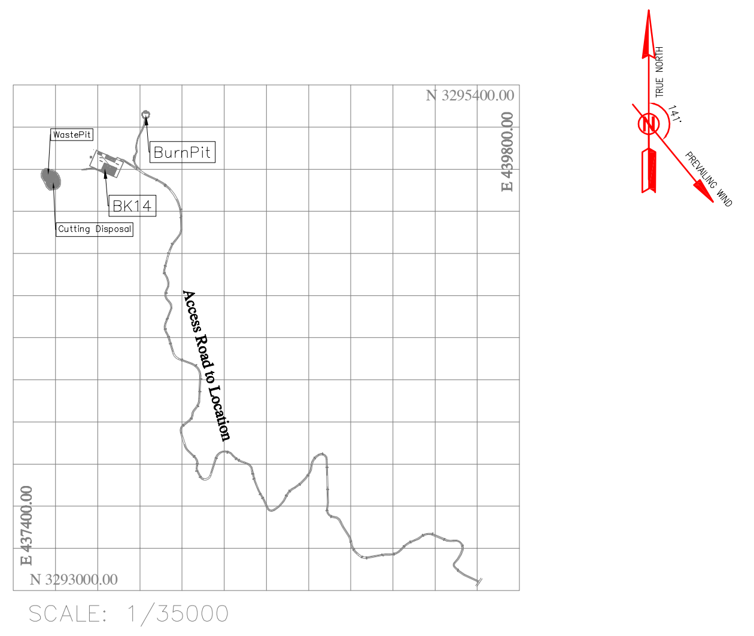
⊙	WELL LOCATION	→	CANAL
●	WELL	≈	RIVER
▭	SITE	◄	WATER COURSE
🟥	CAMP SITE	60 50	CONTOURS
—	ASPHALT ROAD	99.27	SPOT HEIGHT
—	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD	≠	BRIDGE
∼	DAYLIGHT	╫	CULVERT

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



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.	

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

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

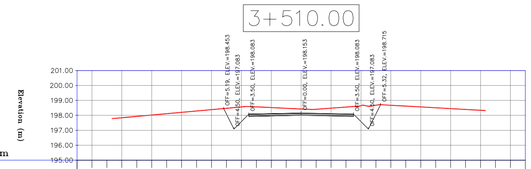
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14
ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

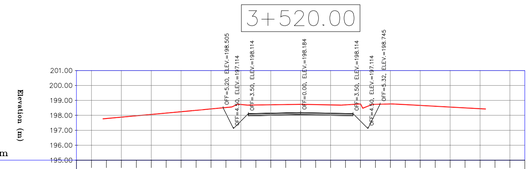
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	84 OF 103	D01	053–073–9184	F	4	S	708209	84	D02

3+510.00



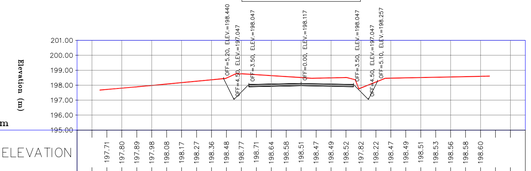
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.84	
-13.00	197.93	
-12.00	198.02	
-11.00	198.11	
-10.00	198.20	
-9.00	198.29	
-8.00	198.38	
-7.00	198.47	
-6.00	198.56	
-5.00	198.47	198.08
-4.00	198.57	197.58
-3.00	198.52	198.09
-2.00	198.47	198.11
-1.00	198.43	198.13
0.00	198.40	198.15
1.00	198.40	198.13
2.00	198.48	198.11
3.00	198.55	198.09
4.00	198.65	197.58
5.00	198.68	198.08
6.00	198.68	
7.00	198.62	
8.00	198.56	
9.00	198.51	
10.00	198.45	
11.00	198.40	
12.00	198.34	
13.00		
14.00		

3+520.00



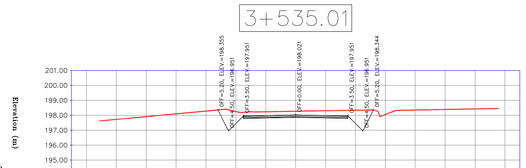
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.79	
-13.00	197.88	
-12.00	197.97	
-11.00	198.06	
-10.00	198.15	
-9.00	198.24	
-8.00	198.33	
-7.00	198.43	
-6.00	198.52	
-5.00	198.72	198.11
-4.00	198.72	197.61
-3.00	198.69	198.12
-2.00	198.71	198.14
-1.00	198.72	198.16
0.00	198.74	198.18
1.00	198.72	198.16
2.00	198.70	198.14
3.00	198.70	198.12
4.00	198.76	197.61
5.00	198.74	198.11
6.00	198.76	
7.00	198.72	
8.00	198.66	
9.00	198.61	
10.00	198.55	
11.00	198.50	
12.00	198.44	
13.00		
14.00		

3+530.00



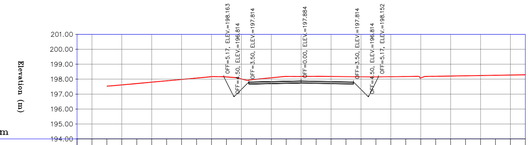
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.71	
-13.00	197.80	
-12.00	197.89	
-11.00	197.98	
-10.00	198.08	
-9.00	198.17	
-8.00	198.27	
-7.00	198.36	
-6.00	198.48	
-5.00	198.36	198.05
-4.00	198.77	197.55
-3.00	198.71	198.06
-2.00	198.64	198.08
-1.00	198.58	198.10
0.00	198.51	198.12
1.00	198.47	198.10
2.00	198.49	198.08
3.00	198.52	198.06
4.00	197.82	197.55
5.00	198.22	198.05
6.00	198.47	
7.00	198.49	
8.00	198.51	
9.00	198.53	
10.00	198.56	
11.00	198.58	
12.00	198.60	
13.00		
14.00		

3+535.01



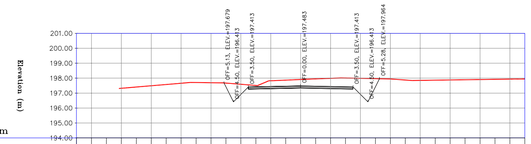
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.64	
-13.00	197.72	
-12.00	197.81	
-11.00	197.90	
-10.00	198.00	
-9.00	198.09	
-8.00	198.19	
-7.00	198.28	
-6.00	198.37	
-5.00	198.25	197.95
-4.00	197.45	197.45
-3.00	198.24	197.96
-2.00	198.23	197.38
-1.00	198.25	198.00
0.00	198.27	198.02
1.00	198.28	198.00
2.00	198.30	197.38
3.00	198.32	197.96
4.00	198.34	197.45
5.00	198.36	197.95
6.00	198.05	
7.00	198.33	
8.00	198.35	
9.00	198.37	
10.00	198.39	
11.00	198.41	
12.00	198.42	
13.00	198.44	
14.00		

3+540.00



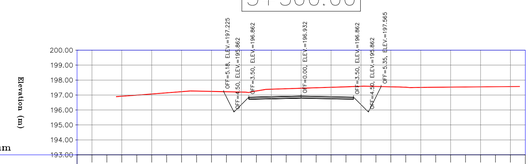
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.53	
-13.00	197.62	
-12.00	197.70	
-11.00	197.80	
-10.00	197.89	
-9.00	197.98	
-8.00	198.07	
-7.00	198.16	
-6.00	198.15	
-5.00	198.01	197.81
-4.00	198.00	197.31
-3.00	198.09	197.82
-2.00	198.18	197.84
-1.00	198.18	197.86
0.00	198.18	197.88
1.00	198.19	197.86
2.00	198.18	197.84
3.00	198.17	197.82
4.00	198.16	197.31
5.00	198.15	197.81
6.00	198.16	
7.00	198.18	
8.00	198.08	
9.00	198.19	
10.00	198.21	
11.00	198.23	
12.00	198.24	
13.00	198.26	
14.00	198.28	

3+550.00



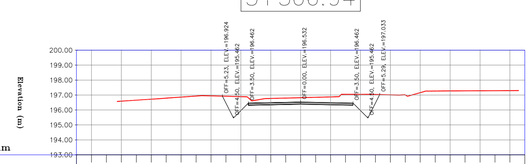
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.32	
-13.00	197.40	
-12.00	197.49	
-11.00	197.58	
-10.00	197.66	
-9.00	197.71	
-8.00	197.70	
-7.00	197.67	
-6.00	197.59	
-5.00	197.51	197.41
-4.00	197.83	196.91
-3.00	197.87	197.42
-2.00	197.91	197.44
-1.00	197.95	197.46
0.00	197.99	197.48
1.00	197.95	197.46
2.00	197.99	197.44
3.00	198.01	197.42
4.00	197.99	196.91
5.00	197.97	197.41
6.00	197.95	
7.00	197.88	
8.00	197.85	
9.00	197.86	
10.00	197.88	
11.00	197.89	
12.00	197.91	
13.00	197.92	
14.00	197.94	

3+560.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.92	
-13.00	197.00	
-12.00	197.07	
-11.00	197.15	
-10.00	197.23	
-9.00	197.26	
-8.00	197.24	
-7.00	197.22	
-6.00	197.20	
-5.00	196.86	
-4.00	196.36	
-3.00	196.87	
-2.00	196.89	
-1.00	196.91	
0.00	196.93	
1.00	196.91	
2.00	196.89	
3.00	196.87	
4.00	196.36	
5.00	196.86	
6.00	197.42	
7.00	197.46	
8.00	197.49	
9.00	197.52	
10.00	197.55	
11.00	197.57	
12.00	197.55	
13.00	197.56	
14.00	197.57	

3+566.94



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.59	
-13.00	196.66	
-12.00	196.72	
-11.00	196.79	
-10.00	196.86	
-9.00	196.93	
-8.00	196.92	
-7.00	196.92	
-6.00	196.89	
-5.00	196.46	
-4.00	195.96	
-3.00	196.66	
-2.00	196.78	
-1.00	196.80	
0.00	196.83	
1.00	196.85	
2.00	196.88	
3.00	197.05	
4.00	197.05	
5.00	197.04	
6.00	197.01	
7.00	197.00	
8.00	197.16	
9.00	197.27	
10.00	197.27	
11.00	197.28	
12.00	197.29	
13.00	197.29	
14.00	197.30	

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LEGEND

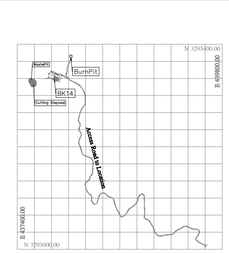
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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
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.
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 TRANSVERSAL SECTIONS

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

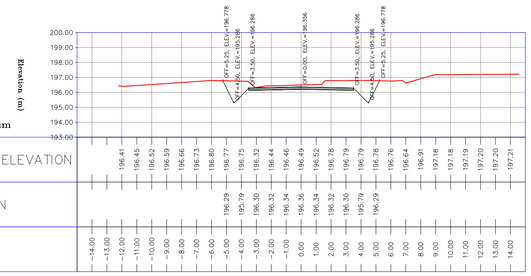
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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	85 OF 103	D01

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	85	D02

3+570.00



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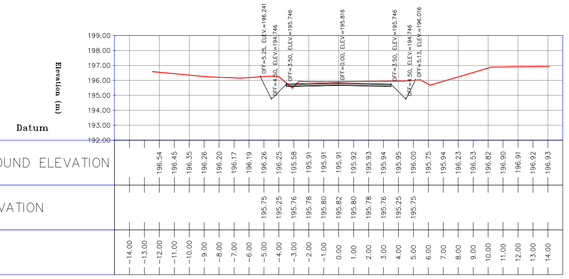
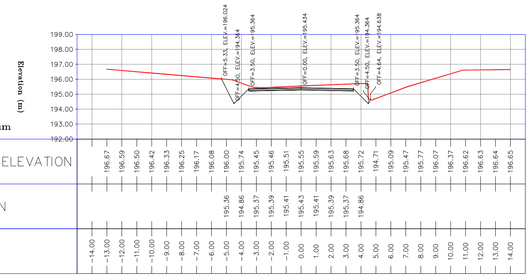
NATURAL GROUND ELEVATION			196.41	196.45	196.52	196.59	196.66	196.73	196.80	196.77	196.75	196.32	196.44	196.46	196.49	196.52	196.78	196.79	196.79	196.78	196.76	196.64	196.91	197.18	197.18	197.19	197.20	197.20	197.21
PROJECT ELEVATION										196.29	195.79	196.30	196.32	196.34	196.36	196.34	196.32	196.30	195.79	196.29									

3+580.00



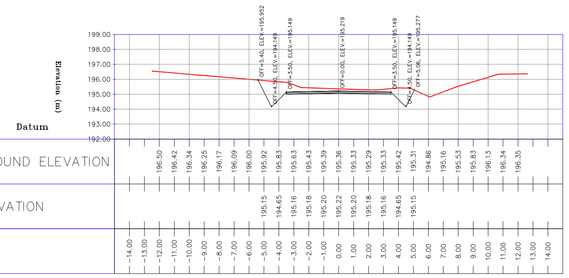
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			196.54	196.45	196.35	196.26	196.20	196.17	196.19	196.26	196.25	195.58	195.91	195.91	195.91	195.92	195.93	195.94	195.95	196.00	195.75	195.94	196.23	196.53	196.82	196.90	196.91	196.92	196.93
PROJECT ELEVATION										195.75	195.25	195.76	195.78	195.80	195.82	195.80	195.78	195.76	195.25	195.75									

3+590.00



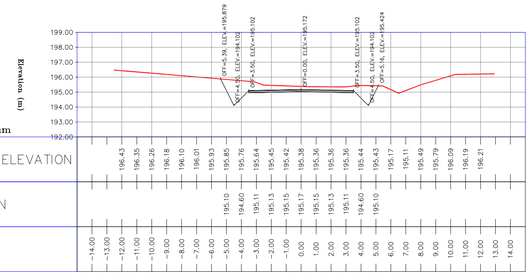
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			196.67	196.59	196.50	196.42	196.33	196.25	196.17	196.08	196.00	195.74	195.45	195.46	195.51	195.55	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										195.36	194.86	195.37	195.39	195.41	195.43	195.41	195.39	195.37	194.86										

3+600.00



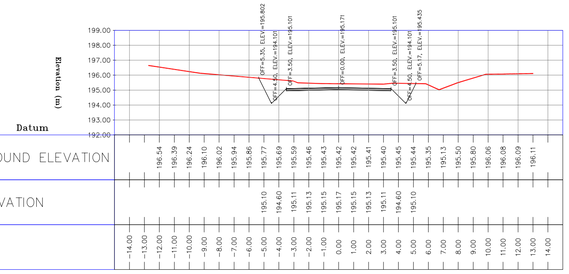
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			196.50	196.42	196.34	196.25	196.17	196.09	196.00	195.92	195.83	195.63	195.43	195.39	195.36	195.33	195.29	195.33	195.42	195.31	194.86	195.16	195.53	195.83	196.13	196.34	196.35		
PROJECT ELEVATION										195.15	194.65	195.16	195.18	195.20	195.22	195.20	195.18	195.16	194.65	195.15									

3+605.52



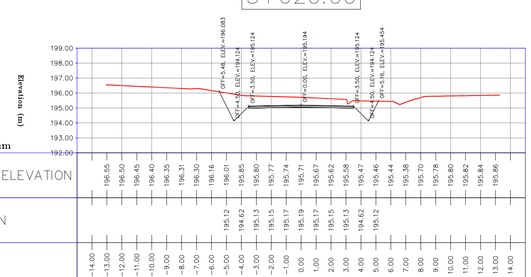
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			196.43	196.35	196.26	196.18	196.10	196.01	195.93	195.85	195.76	195.64	195.42	195.38	195.36	195.36	195.36	195.44	195.43	195.17	195.11	195.49	195.79	196.09	196.19	196.21			
PROJECT ELEVATION										195.10	194.60	195.11	195.13	195.15	195.17	195.15	195.13	195.11	194.60	195.10									

3+610.00



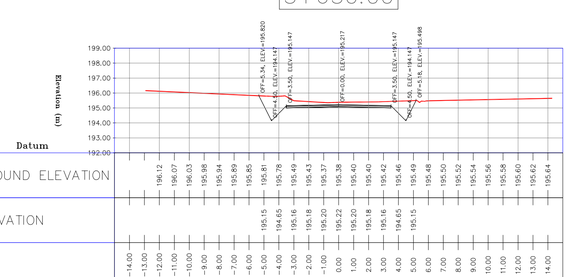
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			196.54	196.39	196.24	196.10	196.02	195.94	195.86	195.77	195.69	195.59	195.46	195.43	195.42	195.42	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										195.10	194.60	195.11	195.13	195.15	195.17	195.15	195.13	195.11	194.60	195.10									

3+620.00



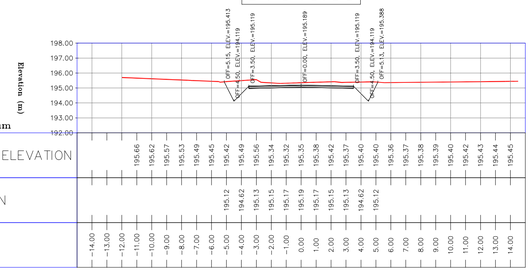
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			196.55	196.50	196.45	196.40	196.35	196.30	196.16	196.01	195.85	195.80	195.77	195.74	195.71	195.67	195.62	195.58	195.47	195.46	195.44	195.38	195.70	195.80	195.80	195.84	195.86		
PROJECT ELEVATION										195.12	194.62	195.13	195.15	195.17	195.19	195.17	195.15	195.13	194.62	195.12									

3+630.00



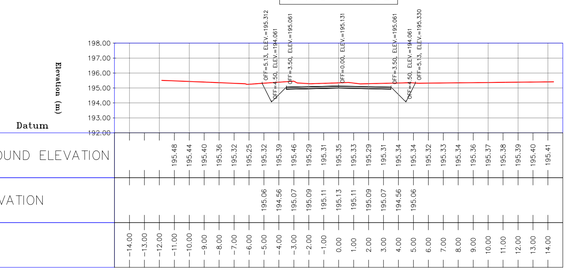
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION			196.12	196.07	196.03	195.98	195.94	195.89	195.85	195.81	195.78	195.49	195.43	195.37	195.38	195.40	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										195.15	194.65	195.16	195.18	195.20	195.22	195.20	195.18	195.16	194.65	195.15									

3+640.00



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			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	195.36	195.37	195.38	195.39	195.40	195.42	195.43	195.44	195.45		
PROJECT ELEVATION										195.12	194.62	195.13	195.15	195.17	195.19	195.17	195.15	195.13	194.62	195.12									

3+644.09



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
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	195.29	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										195.06	194.56	195.07	195.09	195.11	195.13	195.11	195.09	195.07	194.56	195.06									

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

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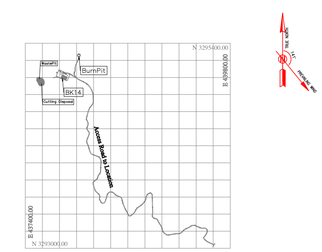
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 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	86 OF 103	D01

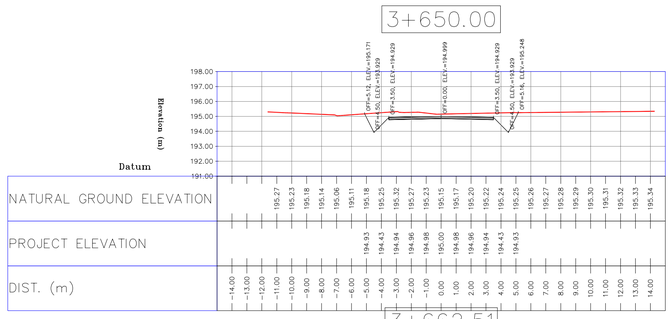
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

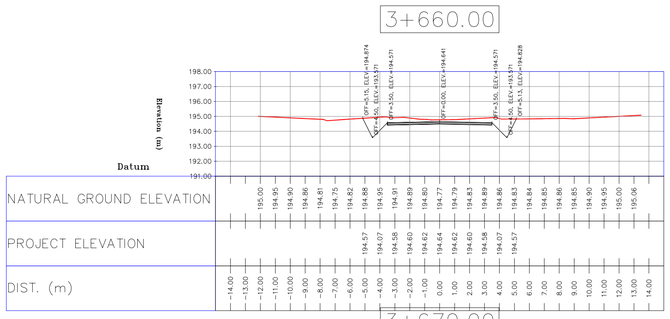
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

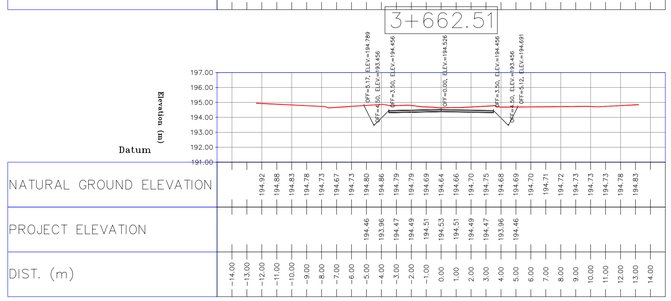
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

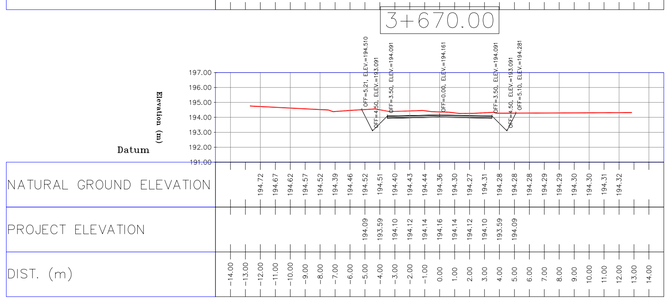
APPROVED FOR CONSTRUCTION | BY: | DATE:

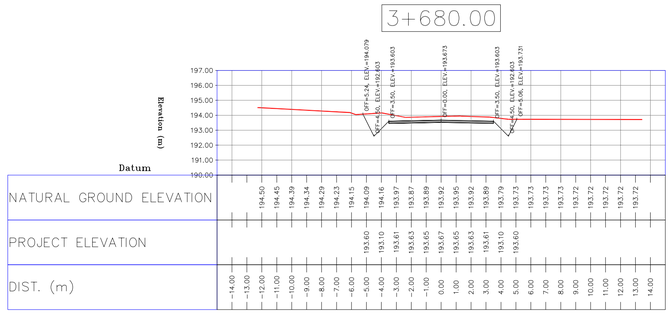
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	86	D02

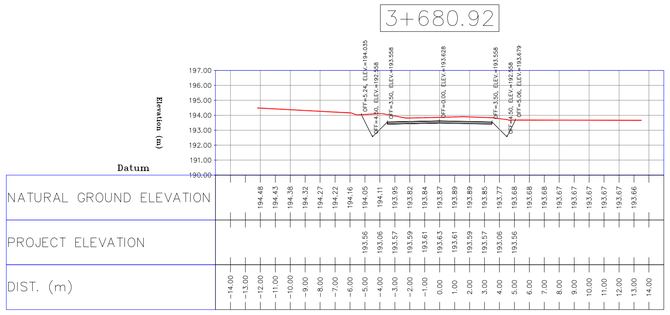


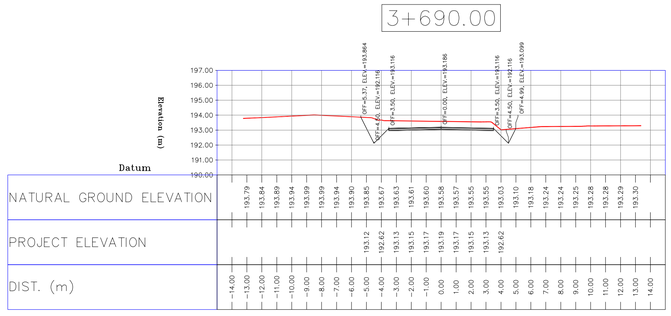


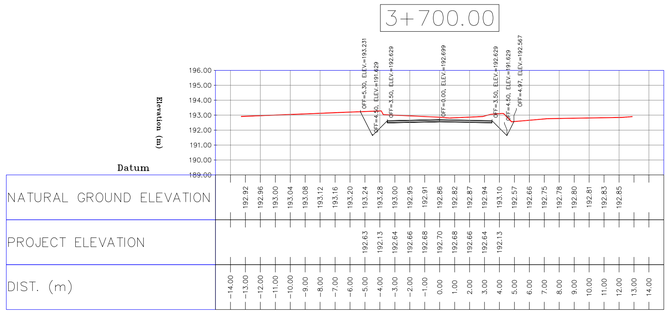


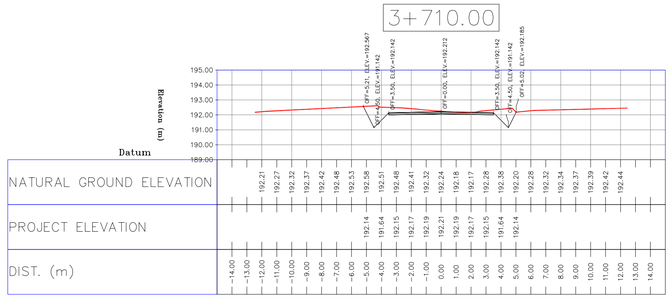


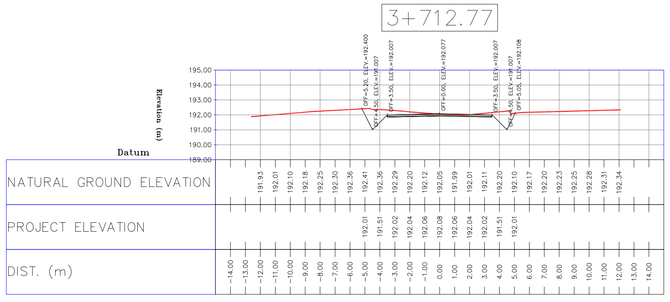












NOTES

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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.

LEGEND

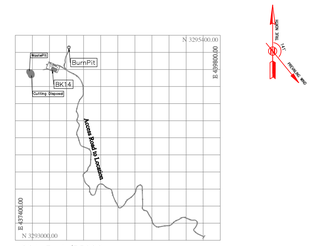
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

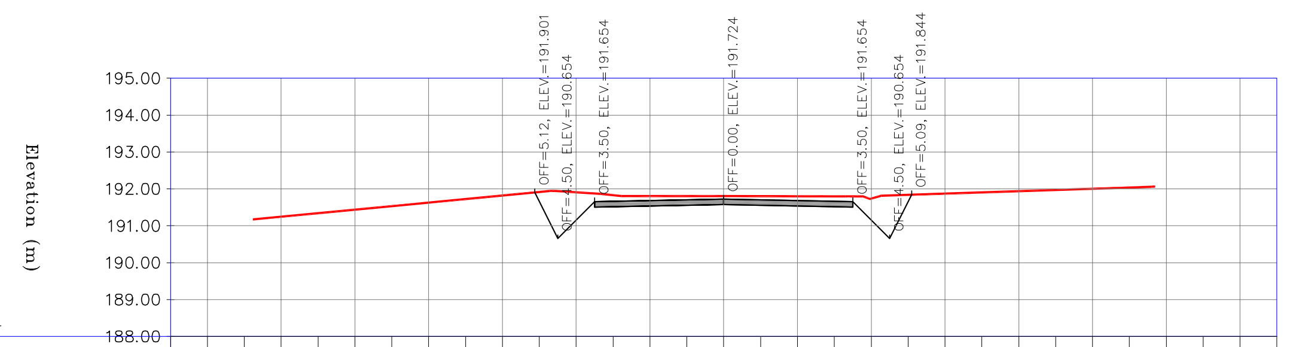
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

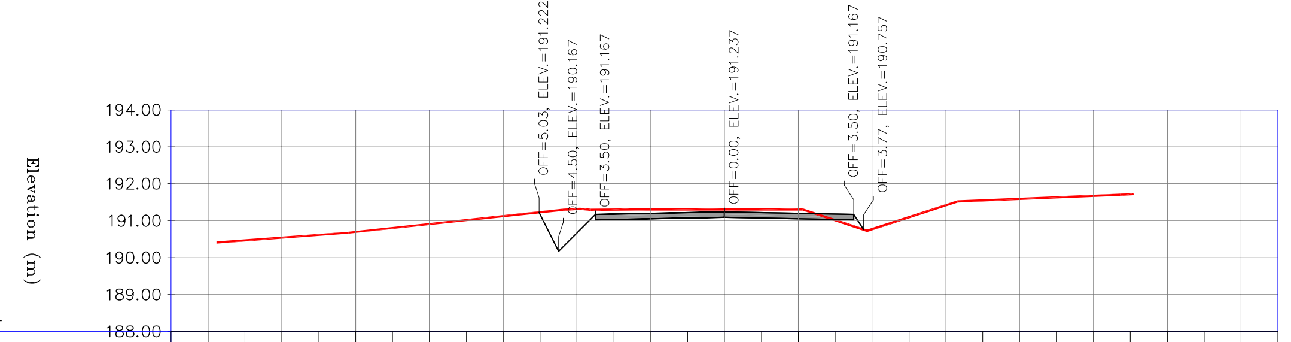
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	87 OF 103	D01	053-073-9184	F	4	S	708209	87	D02

3+720.00



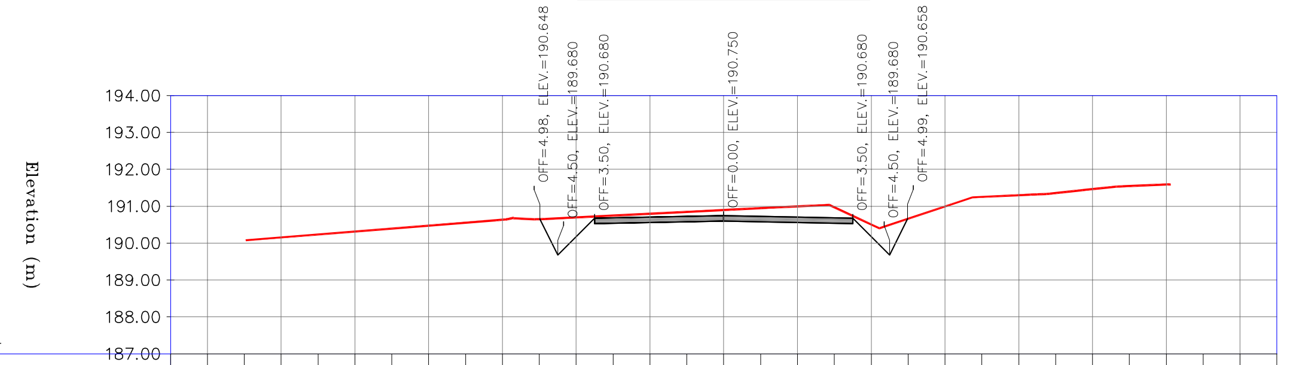
NATURAL GROUND ELEVATION			191.25	191.34	191.44	191.53	191.63	191.72	191.82	191.91	191.91	191.83	191.81	191.81	191.80	191.80	191.80	191.80	191.73	191.84	191.87	191.91	191.94	191.97	192.01	192.04			
PROJECT ELEVATION										191.65	191.15	191.66	191.68	191.70	191.72	191.70	191.68	191.66	191.15	191.65									
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

3+730.00



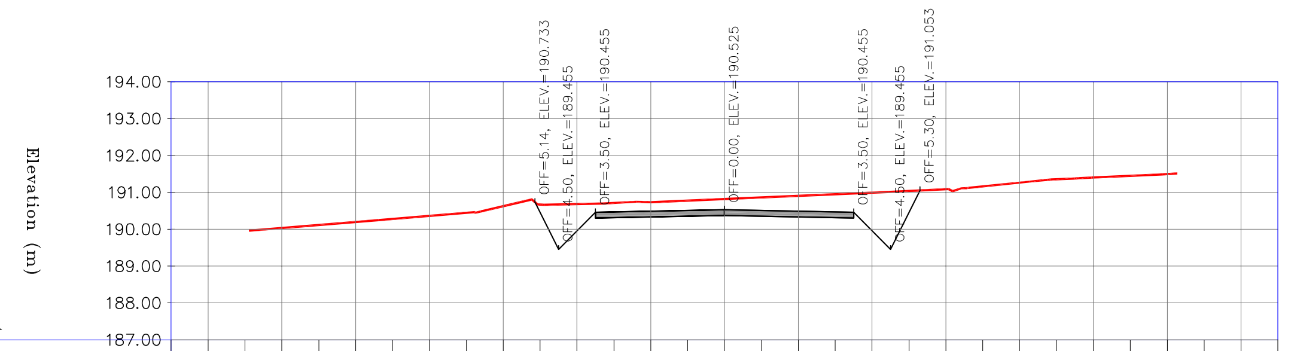
NATURAL GROUND ELEVATION		190.46	190.54	190.61	190.69	190.80	190.91	191.01	191.12	191.22	191.31	191.30	191.30	191.30	191.30	191.30	191.30	191.01	190.77	191.09	191.42	191.55	191.59	191.63	191.67	191.71			
PROJECT ELEVATION										191.17	190.67	191.18	191.20	191.22	191.24	191.22	191.20	191.18											
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



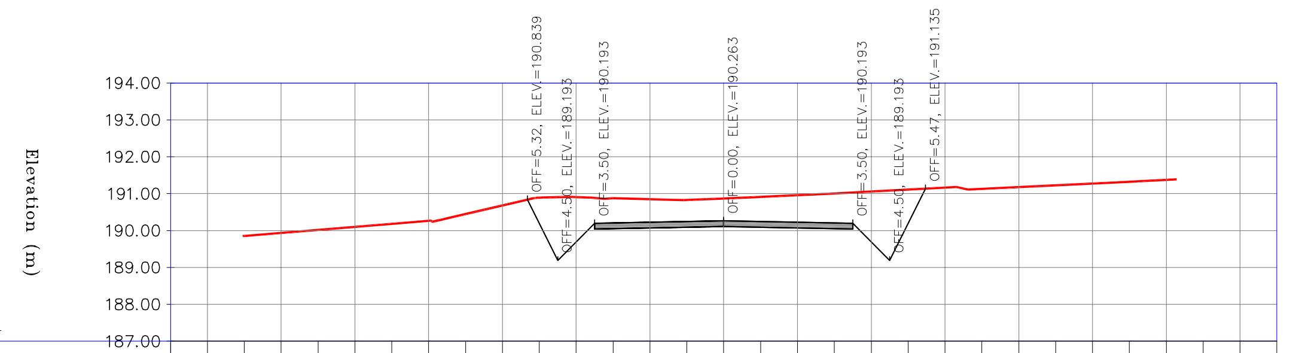
NATURAL GROUND ELEVATION			190.16	190.24	190.32	190.40	190.48	190.56	190.64	190.65	190.69	190.74	190.80	190.85	190.90	190.95	191.00	190.97	190.50	190.66	190.99	191.25	191.30	191.36	191.46	191.54	191.59		
PROJECT ELEVATION											190.18	190.69	190.71	190.73	190.75	190.73	190.71	190.69	190.18										
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+744.61



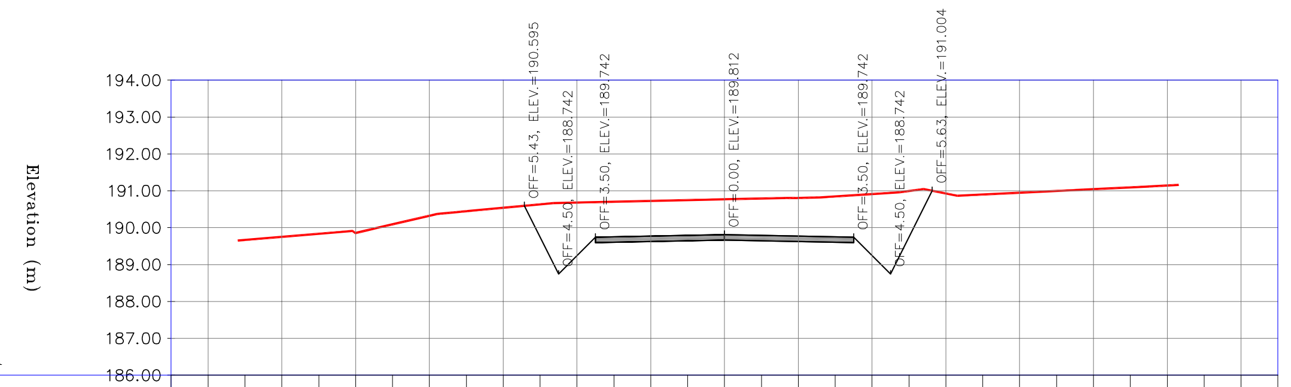
NATURAL GROUND ELEVATION			190.03	190.12	190.20	190.28	190.36	190.44	190.62	190.67	190.68	190.71	190.74	190.78	190.82	190.86	190.91	190.95	190.99	191.04	191.09	191.16	191.26	191.35	191.40	191.45	191.50		
PROJECT ELEVATION										190.46	189.96	190.47	190.49	190.51	190.53	190.51	190.49	190.47	189.96	190.46									
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+750.00



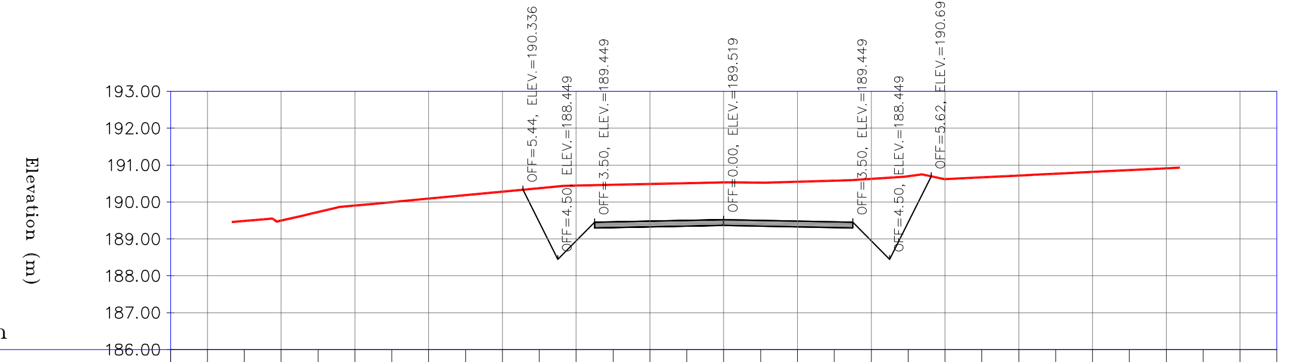
NATURAL GROUND ELEVATION		189.85	189.94	190.02	190.10	190.18	190.26	190.45	190.68	190.89	190.91	190.87	190.85	190.83	190.87	190.91	190.96	191.00	191.06	191.11	191.16	191.13	191.18	191.23	191.28	191.32	191.37		
PROJECT ELEVATION										190.19	189.69	190.20	190.22	190.24	190.26	190.24	190.22	190.20	189.69	190.19									
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

3+760.00



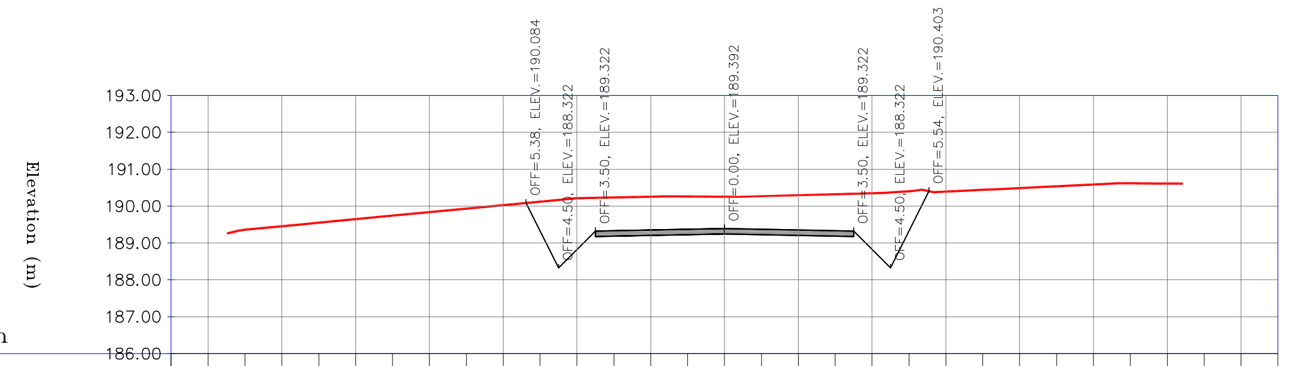
NATURAL GROUND ELEVATION		189.67	189.75	189.83	189.86	190.09	190.32	190.45	190.54	190.64	190.68	190.70	190.73	190.75	190.77	190.79	190.81	190.85	190.91	191.00	190.93	190.90	190.95	191.00	191.05	191.09	191.14		
PROJECT ELEVATION										189.74	189.24	189.75	189.77	189.79	189.81	189.79	189.77	189.75	189.24	189.74									
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

3+770.00



NATURAL GROUND ELEVATION		189.49	189.50	189.73	189.90	190.00	190.09	190.19	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										189.45	188.95	189.46	189.48	189.50	189.52	189.50	189.48	189.46	188.95	189.45									
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										189.32	188.82	189.33	189.35	189.37	189.39	189.37	189.35	189.33	188.82	189.32									
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

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

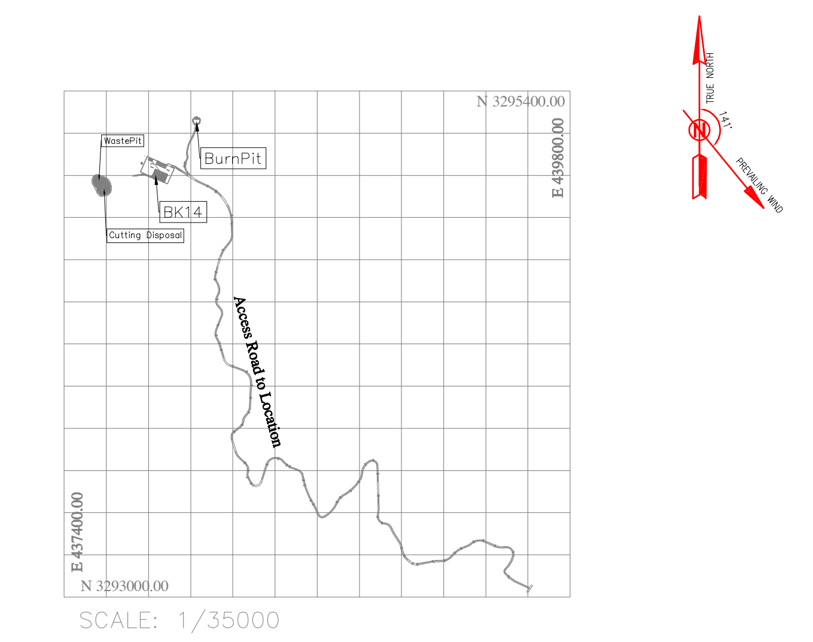
WELL LOCATION	CANAL
WELL	RIVER
SITE	WATER COURSE
CAMP SITE	CONTOURS
ASPHALT ROAD	SPOT HEIGHT
GRAVEL ROAD	BENCH MARK
PROPOSED ROAD	BRIDGE
DAYLIGHT	CULVERT

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



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.	

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.

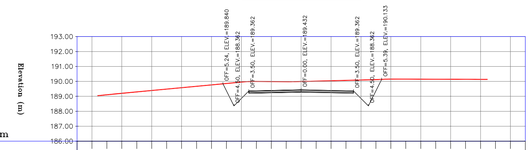
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14 ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

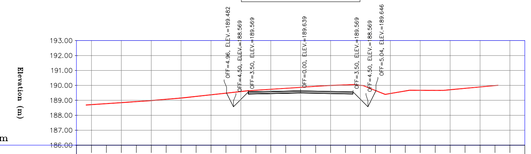
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	88 OF 103	D01	053–073–9184	F	4	S	708209	88	D02

3+790.00



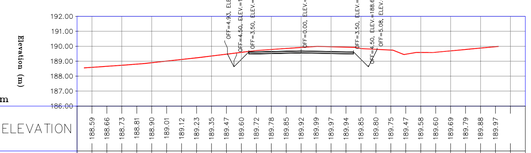
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	189.10	
-13.00	189.20	
-12.00	189.29	
-11.00	189.39	
-10.00	189.48	
-9.00	189.58	
-8.00	189.67	
-7.00	189.77	
-6.00	189.86	
-5.00	189.96	188.86
-4.00	189.99	189.36
-3.00	189.98	188.86
-2.00	189.98	189.37
-1.00	189.99	189.39
0.00	190.04	189.41
1.00	190.01	189.43
2.00	190.04	189.41
3.00	190.07	189.39
4.00	190.10	189.37
5.00	190.12	188.86
6.00	190.16	189.36
7.00	190.15	
8.00	190.15	
9.00	190.15	
10.00	190.14	
11.00	190.14	
12.00	190.14	
13.00	190.14	
14.00	190.14	

3+800.00



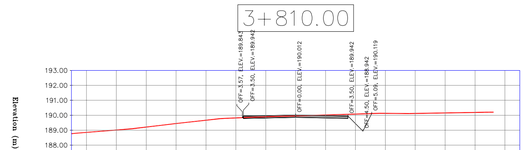
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	188.71	
-13.00	188.78	
-12.00	188.85	
-11.00	188.92	
-10.00	188.99	
-9.00	189.07	
-8.00	189.15	
-7.00	189.26	
-6.00	189.37	
-5.00	189.48	
-4.00	189.59	189.07
-3.00	189.67	189.58
-2.00	189.74	189.60
-1.00	189.80	189.62
0.00	189.87	189.64
1.00	189.94	189.62
2.00	189.99	189.60
3.00	190.03	189.58
4.00	190.00	189.07
5.00	189.66	189.57
6.00	189.46	
7.00	189.63	
8.00	189.67	
9.00	189.67	
10.00	189.71	
11.00	189.80	
12.00	189.89	
13.00	189.89	
14.00	189.99	

3+801.81



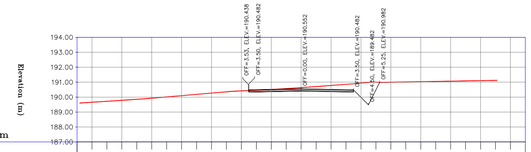
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	188.59	
-13.00	188.66	
-12.00	188.73	
-11.00	188.81	
-10.00	188.90	
-9.00	189.01	
-8.00	189.12	
-7.00	189.23	
-6.00	189.35	
-5.00	189.47	
-4.00	189.60	189.12
-3.00	189.72	189.63
-2.00	189.78	189.65
-1.00	189.85	189.67
0.00	189.92	189.69
1.00	189.99	189.67
2.00	189.97	189.65
3.00	189.94	189.63
4.00	189.85	189.12
5.00	189.80	189.62
6.00	189.75	
7.00	189.47	
8.00	189.58	
9.00	189.60	
10.00	189.69	
11.00	189.79	
12.00	189.88	
13.00	189.97	
14.00		

3+810.00



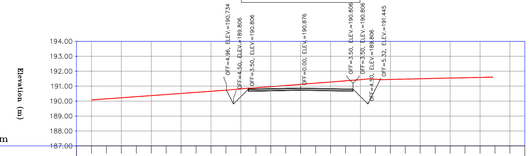
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	188.85	
-13.00	188.93	
-12.00	189.02	
-11.00	189.10	
-10.00	189.21	
-9.00	189.33	
-8.00	189.45	
-7.00	189.56	
-6.00	189.67	
-5.00	189.77	
-4.00	189.82	189.95
-3.00	189.87	189.97
-2.00	189.90	189.97
-1.00	189.93	189.99
0.00	189.96	190.01
1.00	189.99	189.99
2.00	190.02	189.97
3.00	190.05	189.95
4.00	190.08	189.44
5.00	190.12	189.94
6.00	190.13	
7.00	190.12	
8.00	190.12	
9.00	190.14	
10.00	190.16	
11.00	190.17	
12.00	190.19	
13.00	190.21	
14.00		

3+820.00



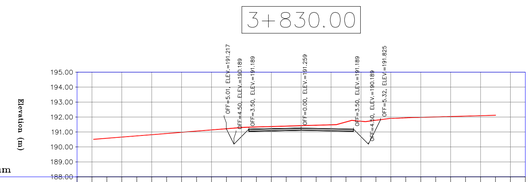
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	189.66	
-13.00	189.72	
-12.00	189.79	
-11.00	189.85	
-10.00	189.92	
-9.00	190.01	
-8.00	190.10	
-7.00	190.18	
-6.00	190.27	
-5.00	190.35	
-4.00	190.42	
-3.00	190.46	190.49
-2.00	190.51	190.51
-1.00	190.56	190.53
0.00	190.64	190.55
1.00	190.71	190.53
2.00	190.78	190.51
3.00	190.85	190.49
4.00	190.93	189.98
5.00	191.00	190.48
6.00	190.99	
7.00	191.01	
8.00	191.03	
9.00	191.05	
10.00	191.06	
11.00	191.08	
12.00	191.10	
13.00	191.12	
14.00		

3+824.87



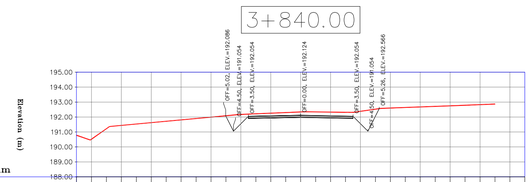
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	190.15	
-13.00	190.22	
-12.00	190.30	
-11.00	190.37	
-10.00	190.44	
-9.00	190.51	
-8.00	190.59	
-7.00	190.66	
-6.00	190.73	
-5.00	190.82	
-4.00	190.89	190.31
-3.00	190.96	190.82
-2.00	191.04	190.84
-1.00	191.12	190.86
0.00	191.20	190.88
1.00	191.28	190.86
2.00	191.35	190.84
3.00	191.44	190.82
4.00	191.47	190.31
5.00	191.45	190.81
6.00	191.47	
7.00	191.49	
8.00	191.52	
9.00	191.54	
10.00	191.56	
11.00	191.59	
12.00		
13.00		
14.00		

3+830.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	190.58	
-13.00	190.66	
-12.00	190.74	
-11.00	190.82	
-10.00	190.90	
-9.00	190.98	
-8.00	191.06	
-7.00	191.14	
-6.00	191.22	
-5.00	191.30	
-4.00	191.33	191.19
-3.00	191.36	190.69
-2.00	191.33	191.20
-1.00	191.39	191.22
0.00	191.42	191.24
1.00	191.45	191.26
2.00	191.48	191.24
3.00	191.67	191.22
4.00	191.72	191.20
5.00	191.78	190.69
6.00	191.91	191.19
7.00	191.95	
8.00	191.98	
9.00	192.01	
10.00	192.03	
11.00	192.06	
12.00	192.09	
13.00	192.12	
14.00		

3+840.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	190.51	
-13.00	191.22	
-12.00	191.44	
-11.00	191.53	
-10.00	191.62	
-9.00	191.72	
-8.00	191.81	
-7.00	191.90	
-6.00	191.99	
-5.00	192.09	
-4.00	192.17	192.05
-3.00	192.22	191.55
-2.00	192.26	192.06
-1.00	192.30	192.08
0.00	192.34	192.10
1.00	192.34	192.12
2.00	192.33	192.08
3.00	192.32	192.06
4.00	192.39	191.55
5.00	192.53	192.05
6.00	192.60	
7.00	192.64	
8.00	192.68	
9.00	192.72	
10.00	192.75	
11.00	192.79	
12.00	192.83	
13.00	192.87	
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:
- 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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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
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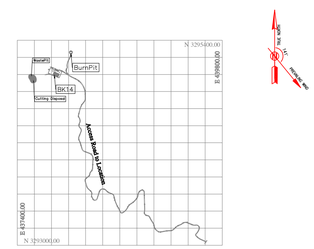
KEY PLAN



SCALE: 1/35000

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

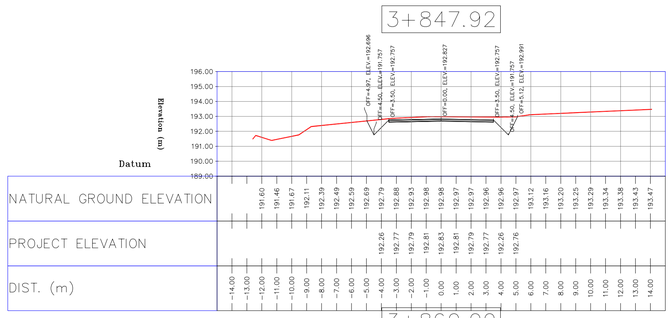
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

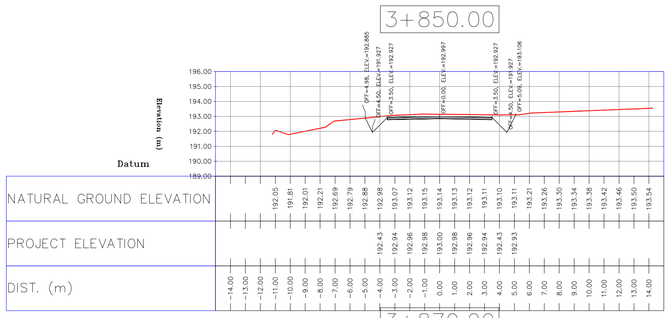
APPROVED FOR CONSTRUCTION | BY: | DATE:

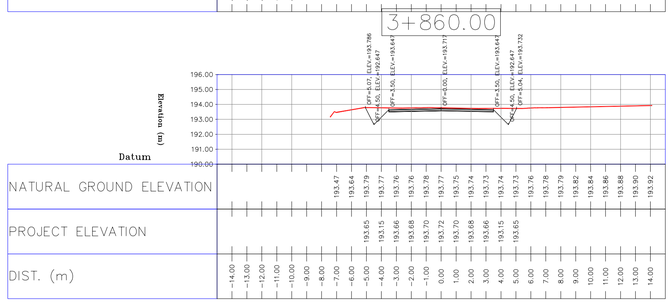
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14
ACCESS ROAD TRANSVERSAL SECTIONS

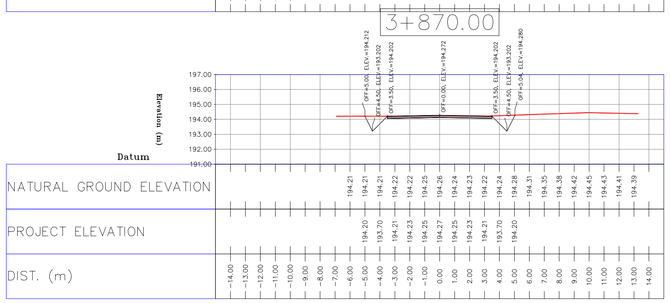
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	89 OF 103	D01

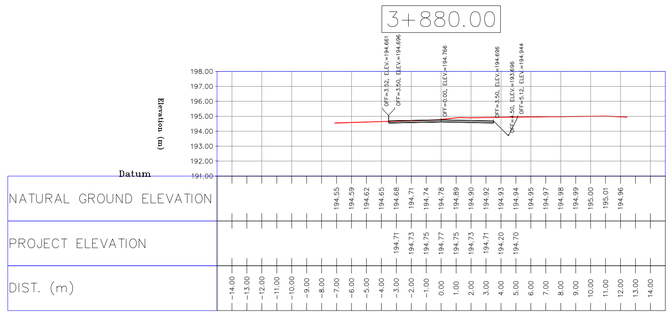
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	89	D02

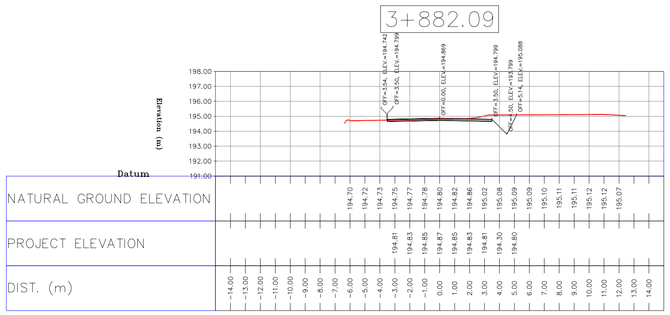


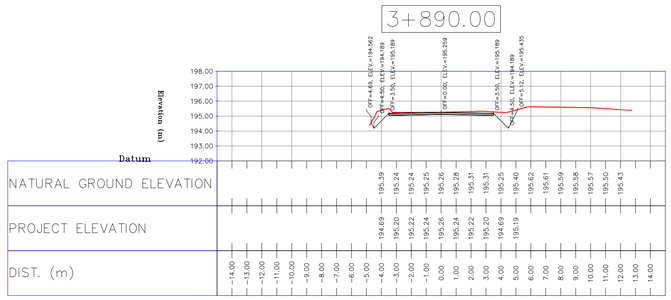


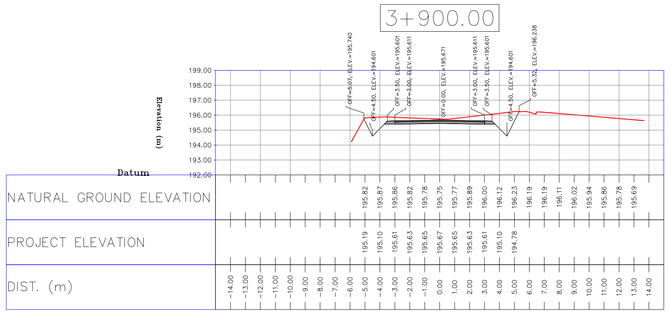


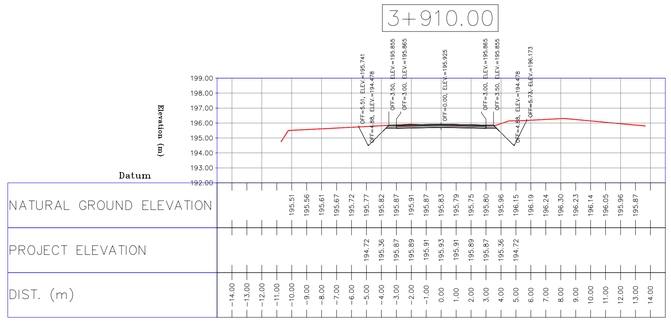


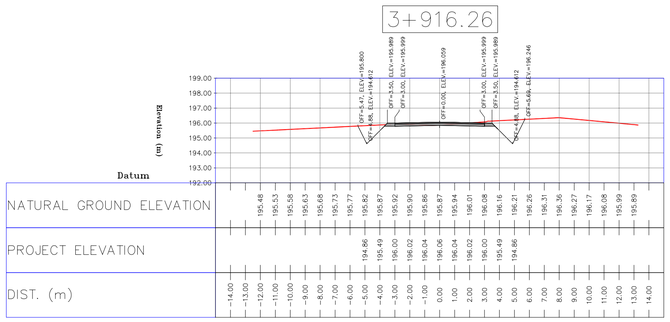












NOTES

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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.

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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

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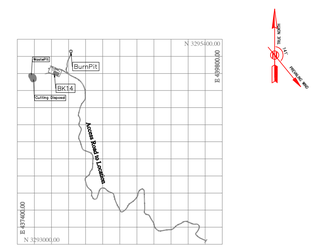
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 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	90 OF 103	D01

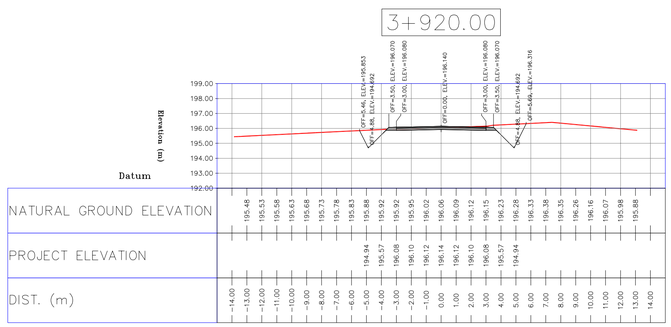
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

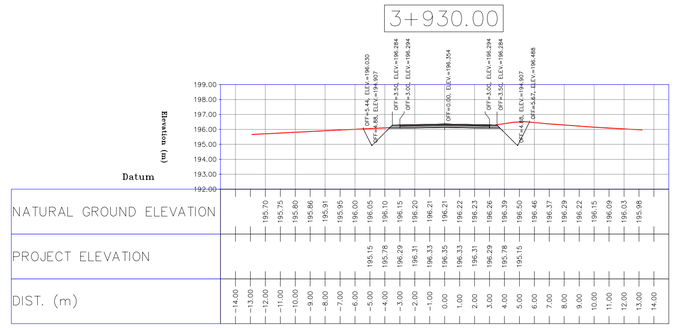
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

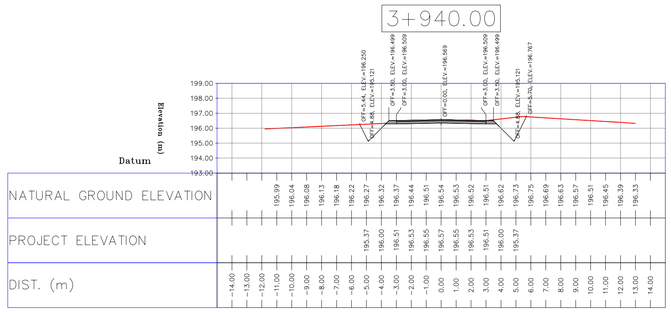
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

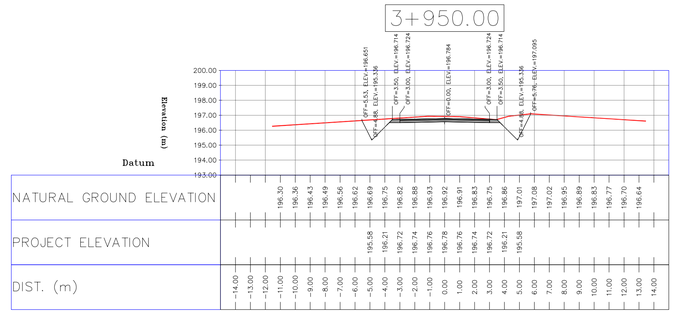
APPROVED FOR CONSTRUCTION BY: DATE:

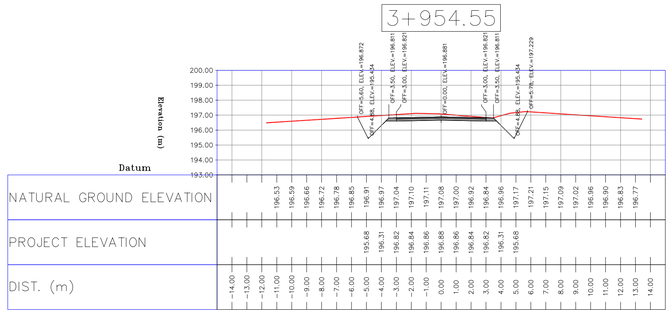
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	90	D02

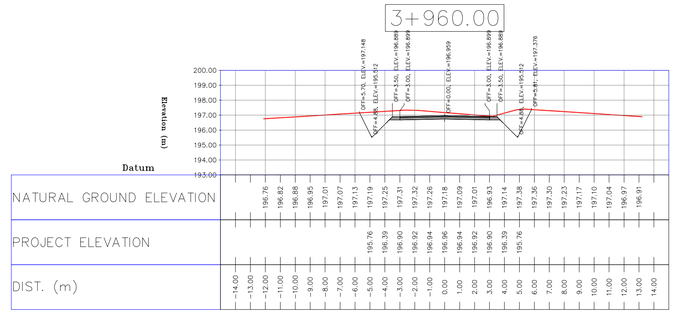


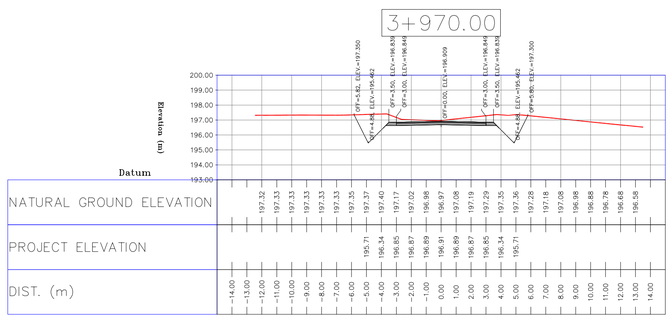


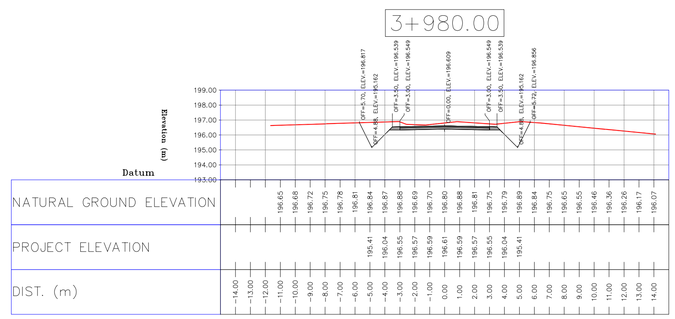


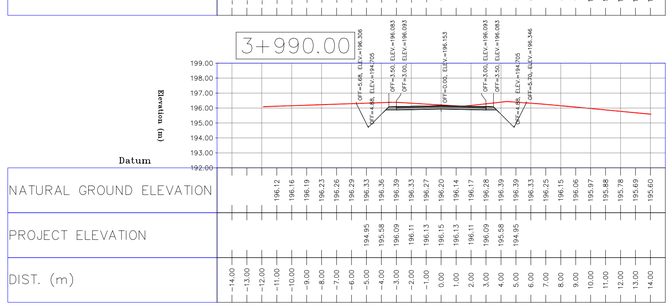












NOTES

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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		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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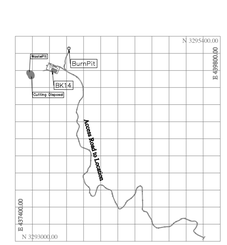
KEY PLAN



SCALE: 1/35000

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 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	91 OF 103	D01

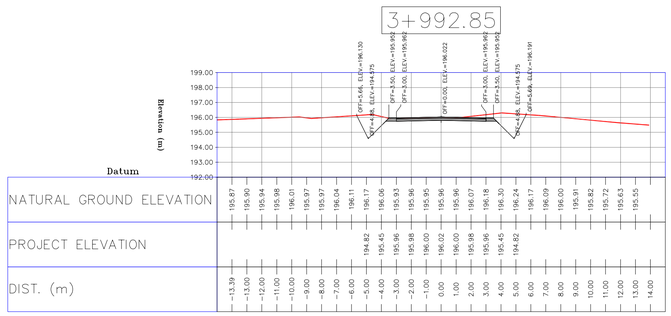
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

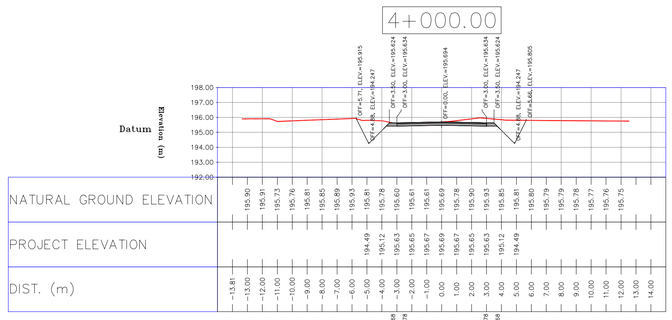
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

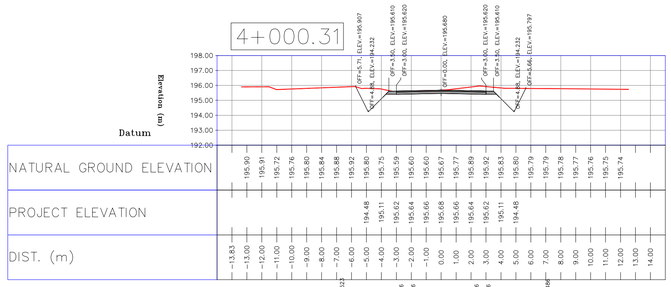
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

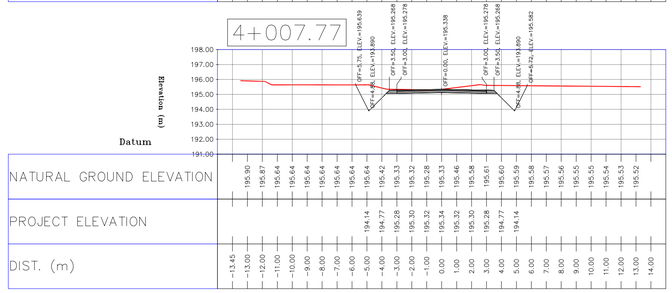
APPROVED FOR CONSTRUCTION | BY: | DATE:

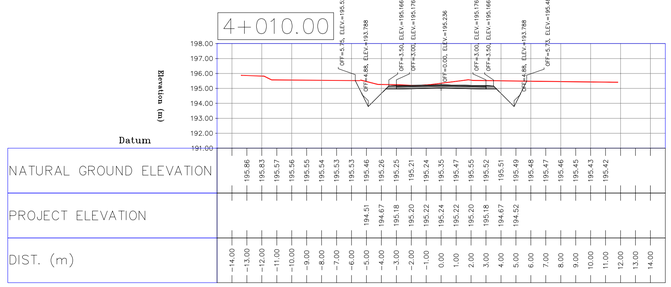
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	91	D02

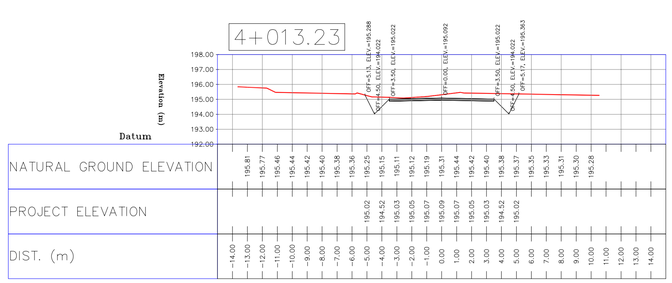


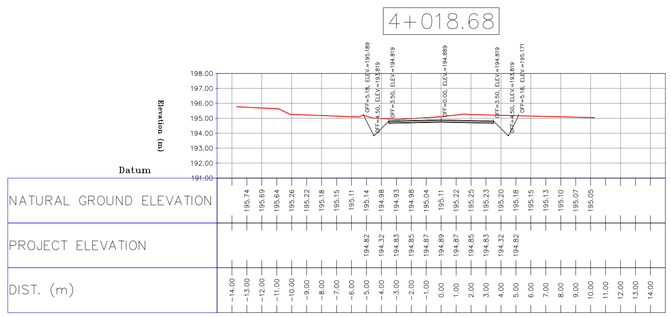


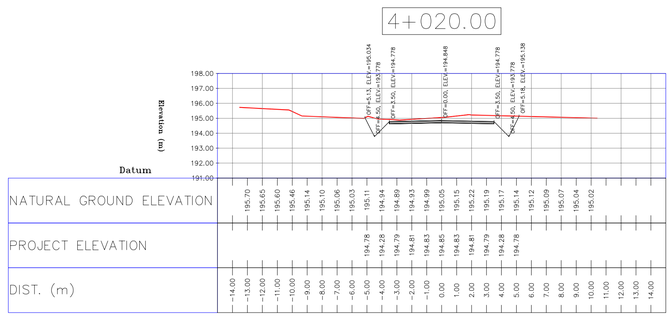


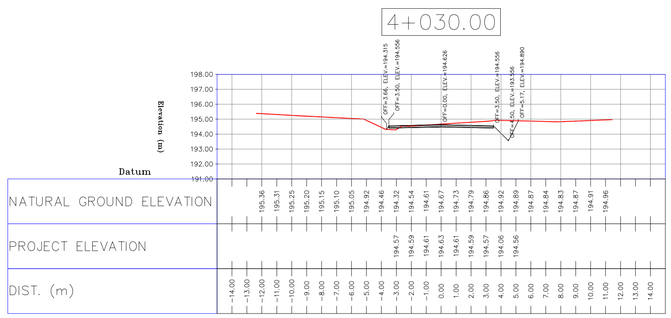


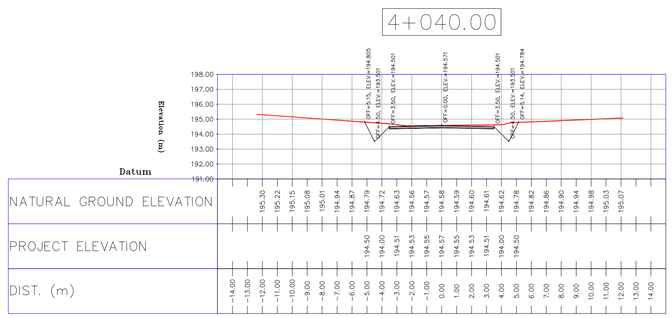












NOTES

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

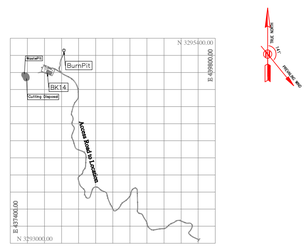
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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. BY	REV. 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 TRANSVERSAL SECTIONS

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

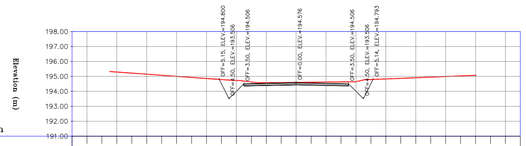
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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	92 OF 103	D01

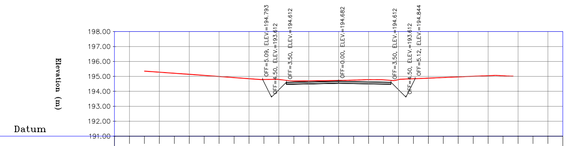
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	92	D02

4+041.23



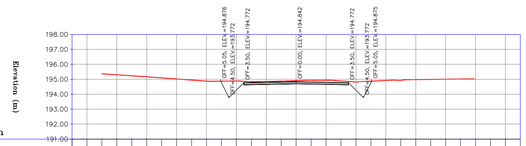
NATURAL GROUND ELEVATION	195.29	195.22	195.15	195.08	195.00	194.93	194.86	194.79	194.73	194.63	194.58	194.59	194.60	194.61	194.62	194.63	194.65	194.79	194.83	194.87	194.91	194.95	194.99	195.03	195.08
PROJECT ELEVATION	194.51	194.01	194.52	194.54	194.56	194.58	194.56	194.54	194.52	194.01	194.51														
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	

4+050.00



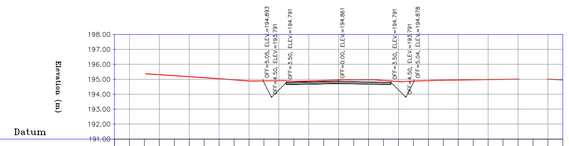
NATURAL GROUND ELEVATION	195.35	195.28	195.21	195.14	195.06	194.99	194.92	194.85	194.79	194.79	194.70	194.71	194.72	194.73	194.75	194.78	194.77	194.78	194.84	194.88	194.92	194.96	195.01	195.05	195.04
PROJECT ELEVATION	194.61	194.11	194.62	194.64	194.66	194.68	194.66	194.64	194.62	194.11	194.61														
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	

4+060.00



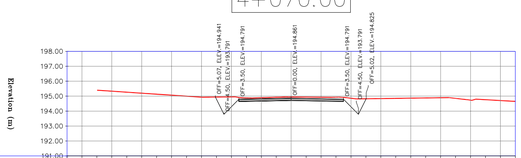
NATURAL GROUND ELEVATION	195.37	195.30	195.23	195.17	195.09	195.02	194.95	194.88	194.89	194.84	194.85	194.87	194.91	194.93	194.89	194.89	194.82	194.87	194.91	194.92	194.97	194.99	195.00	195.02	
PROJECT ELEVATION	194.77	194.27	194.78	194.80	194.82	194.84	194.82	194.80	194.78	194.27	194.77														
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	

4+062.27



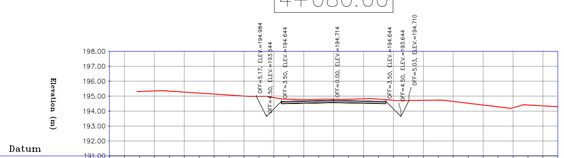
NATURAL GROUND ELEVATION	195.30	195.24	195.17	195.10	195.03	194.96	194.89	194.91	194.87	194.88	194.91	194.95	194.96	194.97	194.92	194.85	194.88	194.90	194.94	194.95	194.97	194.98	194.99	195.01	195.01
PROJECT ELEVATION	194.79	194.29	194.80	194.82	194.84	194.86	194.84	194.82	194.80	194.29	194.79														
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	

4+070.00



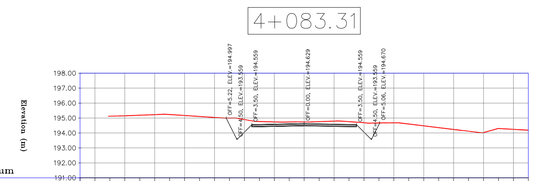
NATURAL GROUND ELEVATION	195.33	195.26	195.20	195.13	195.07	195.00	194.93	194.94	194.95	194.89	194.89	194.93	194.94	194.93	194.92	194.93	194.96	194.92	194.84	194.85	194.87	194.88	194.89	194.85	194.73	194.76	194.71			
PROJECT ELEVATION	194.79	194.29	194.80	194.82	194.84	194.86	194.84	194.82	194.80	194.29	194.79																			
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	

4+080.00



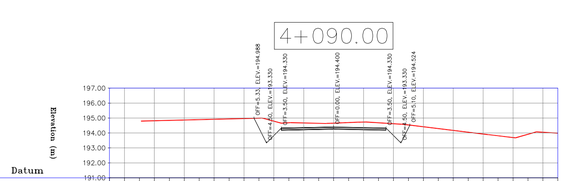
NATURAL GROUND ELEVATION	195.31	195.35	195.33	195.27	195.20	195.14	195.07	195.01	194.99	194.91	194.79	194.77	194.79	194.79	194.79	194.82	194.80	194.72	194.71	194.72	194.74	194.65	194.53	194.41	194.29	194.23	194.41	194.35		
PROJECT ELEVATION	194.64	194.14	194.65	194.67	194.69	194.71	194.69	194.67	194.65	194.14	194.64																			
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	

4+083.31



NATURAL GROUND ELEVATION	195.12	195.15	195.19	195.23	195.24	195.17	195.11	195.04	195.00	194.90	194.76	194.74	194.74	194.76	194.79	194.76	194.69	194.68	194.60	194.48	194.36	194.24	194.12	194.02	194.30	194.24				
PROJECT ELEVATION	194.56	194.06	194.59	194.57	194.61	194.63	194.61	194.59	194.57	194.06	194.56																			
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	

4+090.00



NATURAL GROUND ELEVATION	194.82	194.84	194.87	194.89	194.92	194.95	194.97	195.00	194.79	194.69	194.67	194.65	194.66	194.70	194.73	194.68	194.62	194.54	194.41	194.29	194.17	194.05	193.93	193.81	193.69	193.91	194.05			
PROJECT ELEVATION	194.33	193.83	194.34	194.36	194.38	194.40	194.38	194.36	194.34	193.83	194.33																			
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
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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
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
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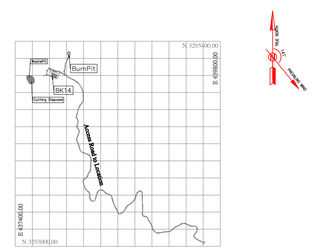
ABBREVIATION

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.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

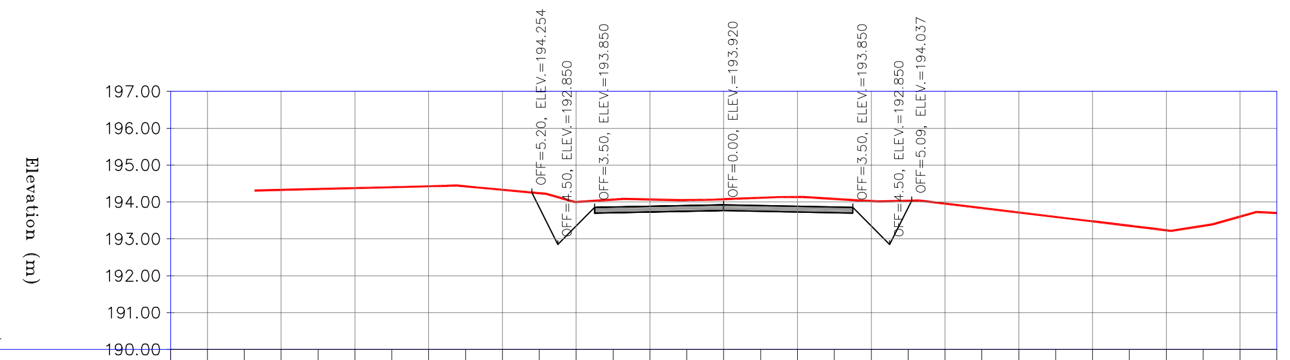
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
ACCESS ROAD TRANSVERSAL SECTIONS

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	93 OF 103	D01

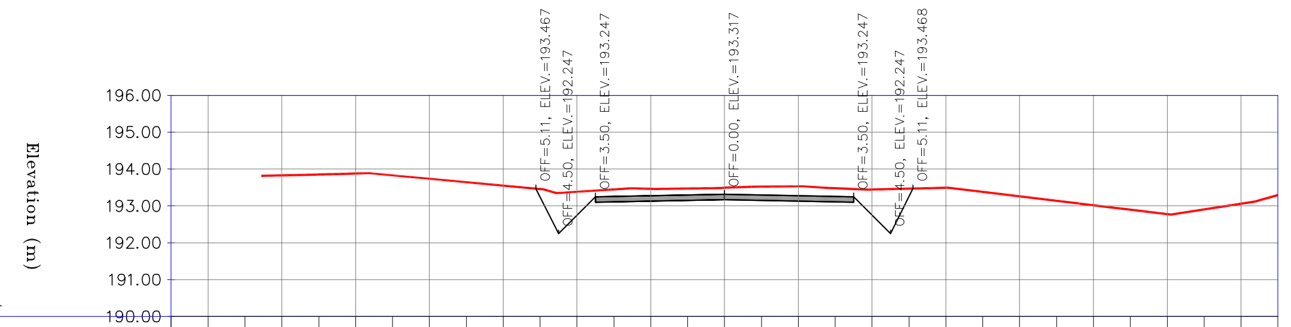
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	93	D02

4+100.00



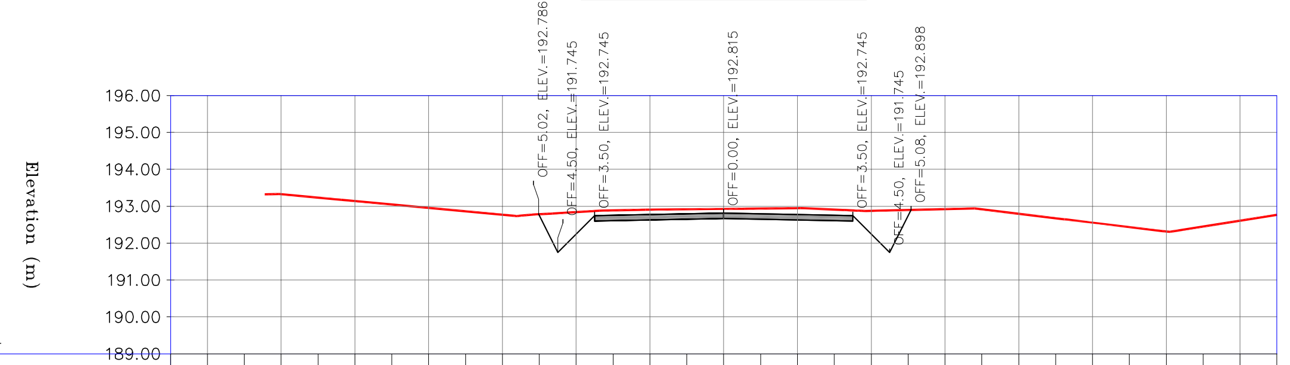
NATURAL GROUND ELEVATION			194.32	194.35	194.37	194.40	194.42	194.42	194.33	194.24	194.00	194.07	194.07	194.05	194.07	194.11	194.14	194.08	194.03	194.03	193.96	193.84	193.71	193.59	193.47	193.35	193.23	193.35	193.60
PROJECT ELEVATION										193.85	193.35	193.86	193.88	193.90	193.92	193.90	193.88	193.86	193.35	193.85									
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

4+110.00



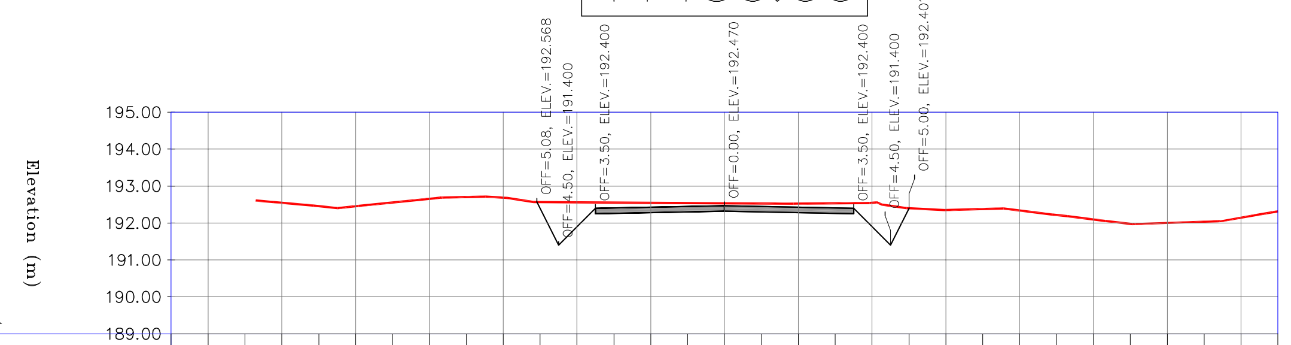
NATURAL GROUND ELEVATION			193.83	193.85	193.88	193.83	193.73	193.64	193.55	193.46	193.38	193.45	193.46	193.47	193.49	193.52	193.53	193.48	193.44	193.47	193.49	193.38	193.26	193.14	193.02	192.89	192.77	192.90	193.06
PROJECT ELEVATION										193.25	192.75	193.26	193.28	193.30	193.32	193.30	193.28	193.26	192.75	193.25									
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

4+120.00



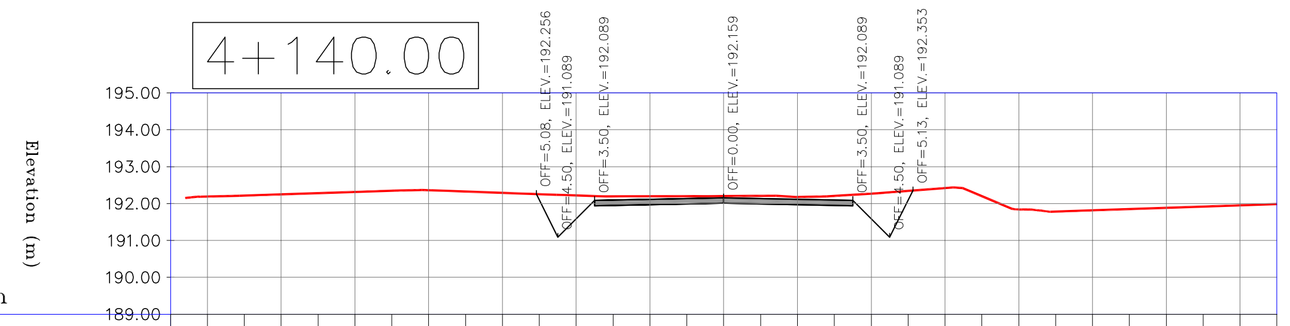
NATURAL GROUND ELEVATION			193.33	193.23	193.14	193.05	192.96	192.86	192.77	192.79	192.84	192.89	192.90	192.92	192.93	192.94	192.95	192.91	192.87	192.90	192.92	192.92	192.80	192.68	192.56	192.44	192.32	192.45	192.61
PROJECT ELEVATION										192.75	192.25	192.76	192.78	192.80	192.82	192.80	192.78	192.76	192.25	192.75									
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

4+130.00



NATURAL GROUND ELEVATION			192.55	192.46	192.45	192.55	192.65	192.70	192.68	192.57	192.56	192.55	192.55	192.54	192.53	192.53	192.52	192.53	192.55	192.40	192.35	192.38	192.34	192.22	192.10	191.98	192.00	192.04	192.15
PROJECT ELEVATION										192.40	191.90	192.41	192.43	192.45	192.47	192.45	192.43	192.41	191.90	192.40									
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

4+140.00



NATURAL GROUND ELEVATION	192.19	192.21	192.25	192.28	192.32	192.35	192.36	192.33	192.29	192.25	192.22	192.20	192.20	192.20	192.21	192.21	192.18	192.21	192.27	192.34	192.42	192.20	191.84	191.78	191.82	191.85	191.89	191.92	191.95
PROJECT ELEVATION										192.09	191.59	192.10	192.12	192.14	192.16	192.14	192.12	192.10	191.59	192.09									
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

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

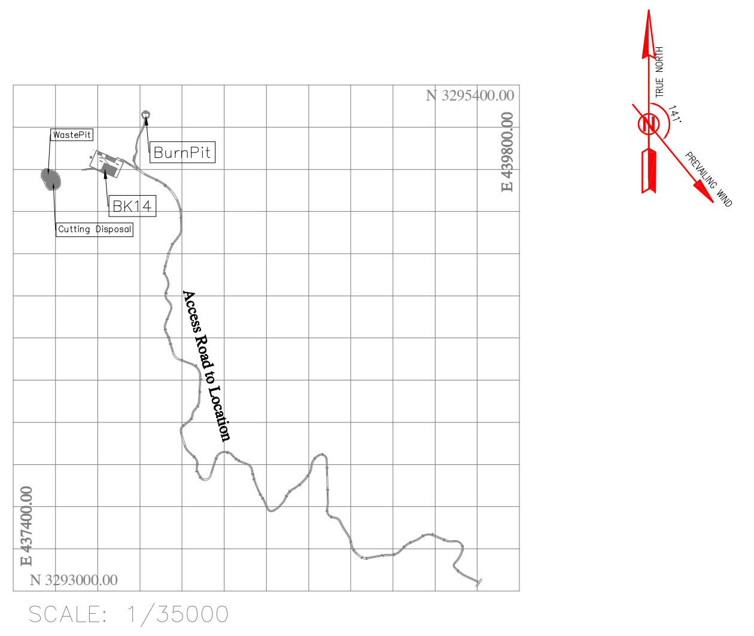
⊙	WELL LOCATION	→	CANAL
●	WELL	∼	RIVER
▭	SITE	◄	WATER COURSE
▭	CAMP SITE	60 50	CONTOURS
━	ASPHALT ROAD	99.27	SPOT HEIGHT
━	GRAVEL ROAD	△	BENCH MARK
‒ ‒	PROPOSED ROAD	═	BRIDGE
∼	DAYLIGHT	╫	CULVERT

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

D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**	***	**********	**.**	***.****	**.**	***.****
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**	REV.	DESCRIPTION	BY	DATE	BY	DATE
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**			CHECKED		REV. APPR.	
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.

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
HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

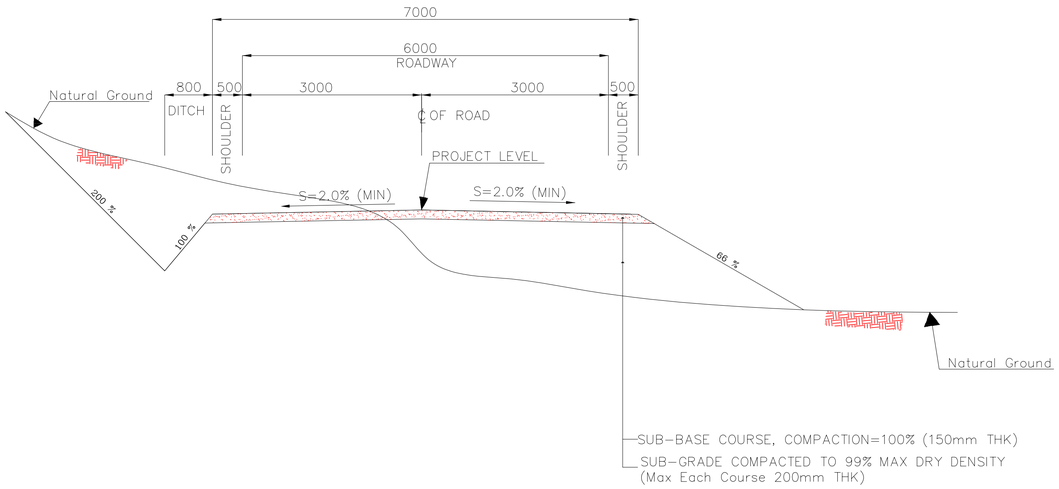
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

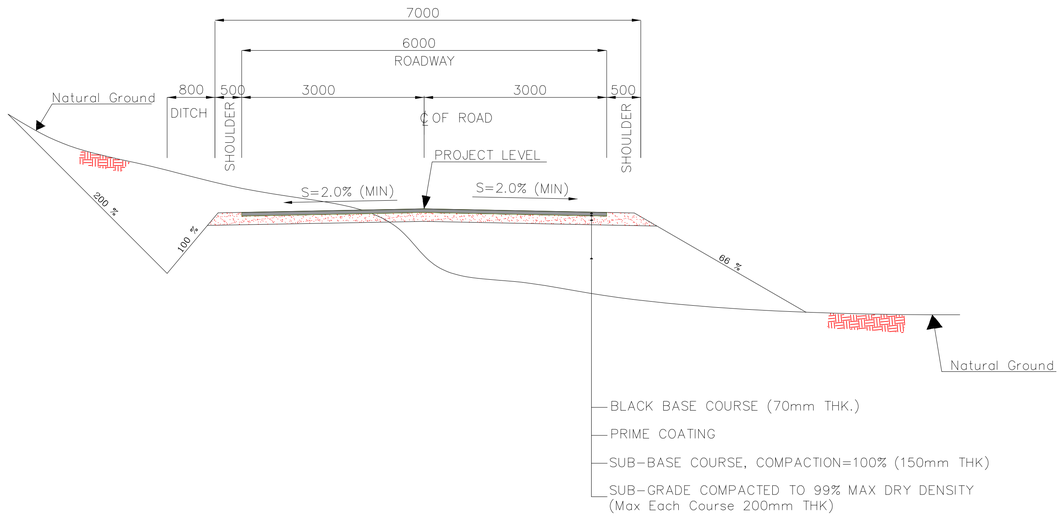
APPROVED FOR CONSTRUCTION BY: DATE:

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

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	94 OF 103	D01	053–073–9184	F	4	S	708209	94	D02



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

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".
- 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

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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.	

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB–SURFACE WORK PACKAGES BK14 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY (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	95 OF 103	D01

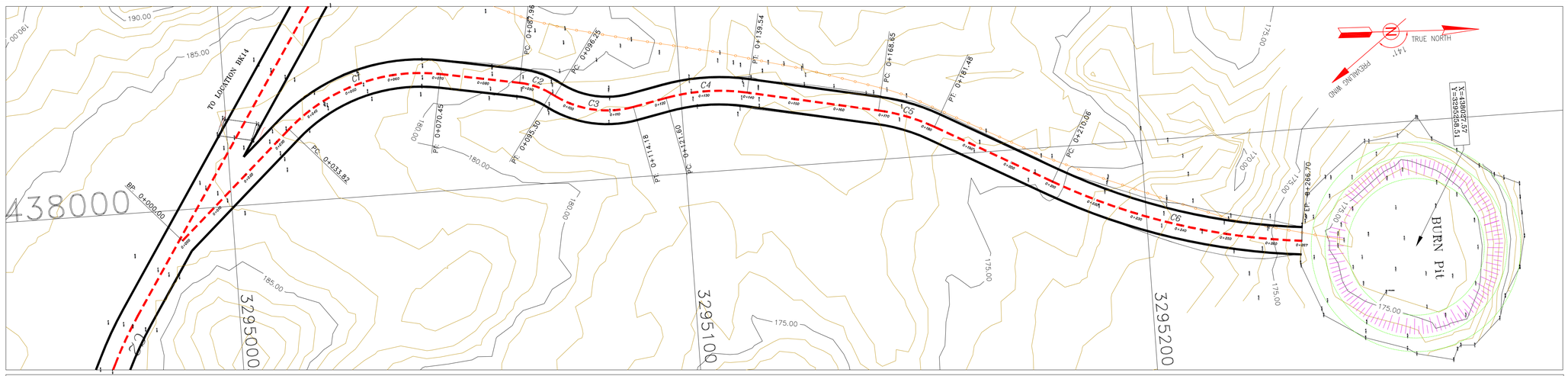
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WELLHEAD FACILITIES

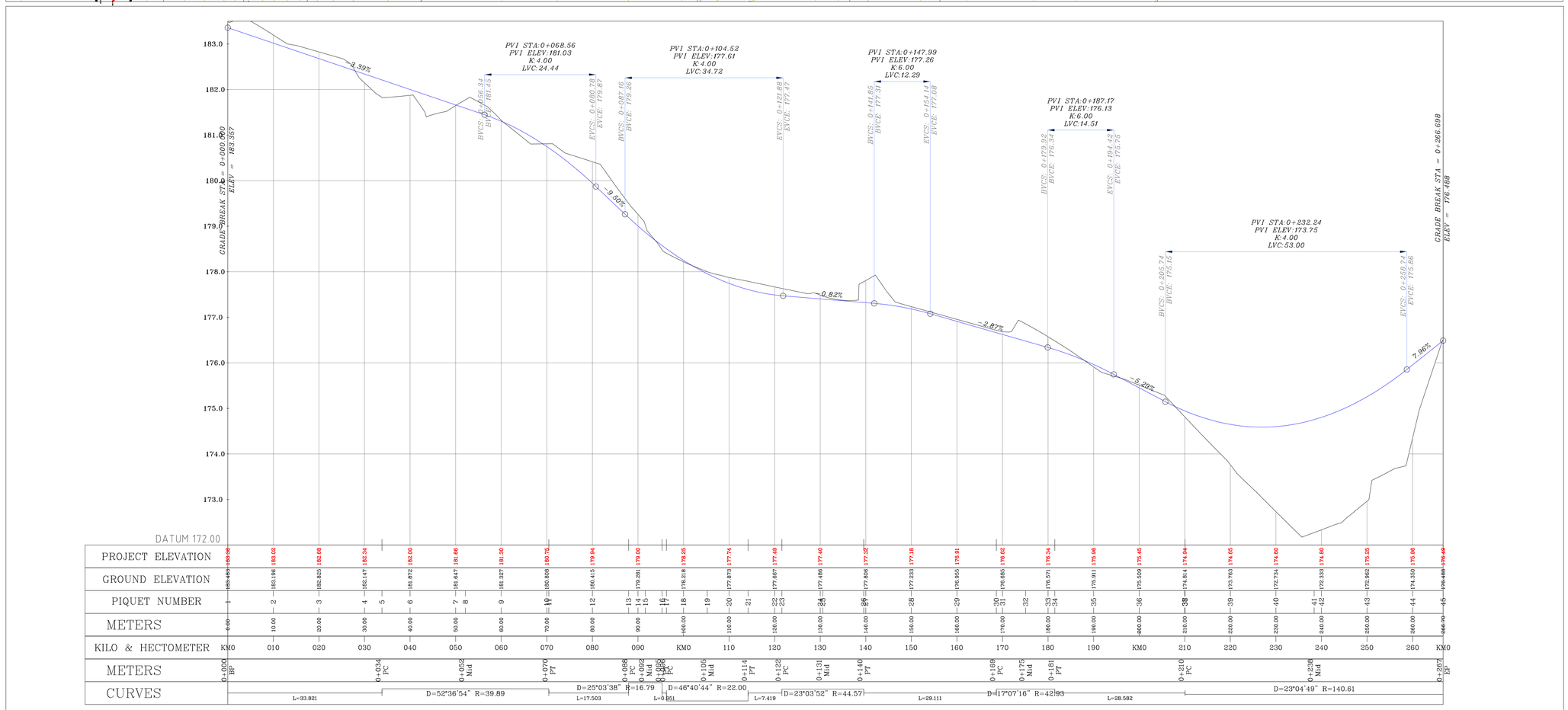
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	95	D00





NOTES

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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".
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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
FLOWLINE

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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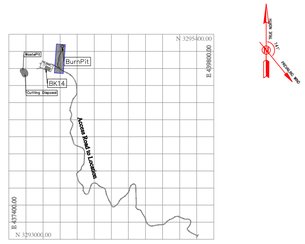
KEY PLAN



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	39.89	36.63	N15° 52' 21.49"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.
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): PEDCO — PETROIRAN DEVELOPMENT COMPANY

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	96 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

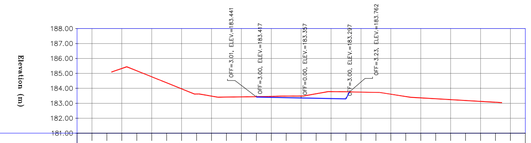
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	96	D02

0+000.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	185.33	
-13.00	185.17	
-12.00	184.77	
-11.00	184.37	
-10.00	183.97	
-9.00	183.62	
-8.00	183.48	
-7.00	183.41	
-6.00	183.43	
-5.00	183.44	
-4.00	183.46	
-3.00	183.48	183.42
-2.00	183.48	183.40
-1.00	183.64	183.38
0.00	183.78	183.36
1.00	183.77	183.34
2.00	183.75	183.32
3.00	183.73	183.30
4.00	183.61	
5.00	183.45	
6.00	183.36	
7.00	183.30	
8.00	183.25	
9.00	183.19	
10.00	183.13	
11.00	183.07	
12.00		
13.00		
14.00		

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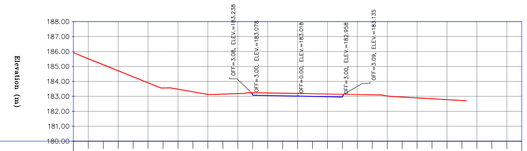

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	185.52	
-13.00	185.11	
-12.00	184.71	
-11.00	184.31	
-10.00	183.91	
-9.00	183.56	
-8.00	183.48	
-7.00	183.30	
-6.00	183.13	
-5.00	183.15	
-4.00	183.19	
-3.00	183.24	183.08
-2.00	183.23	183.06
-1.00	183.21	183.04
0.00	183.20	183.02
1.00	183.17	183.00
2.00	183.15	182.98
3.00	183.14	182.96
4.00	183.12	
5.00	183.10	
6.00	183.03	
7.00	182.95	
8.00	182.89	
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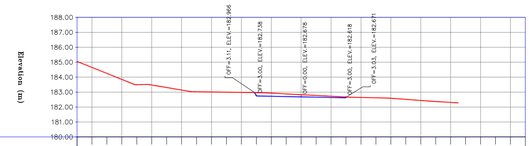
11.00	182.72	
12.00		
13.00		
14.00		

0+020.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	184.65	
-13.00	184.25	
-12.00	183.85	
-11.00	183.50	
-10.00	183.47	
-9.00	183.30	
-8.00	183.14	
-7.00	183.03	
-6.00	183.01	
-5.00	183.00	
-4.00	182.98	
-3.00	182.96	
-2.00	182.93	182.74
-1.00	182.88	182.72
0.00	182.82	182.70
1.00	182.77	182.68
2.00	182.72	182.66
3.00	182.67	182.64
4.00	182.64	182.62
5.00	182.62	
6.00	182.59	
7.00	182.52	
8.00	182.44	
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11.00		
12.00		
13.00		
14.00		

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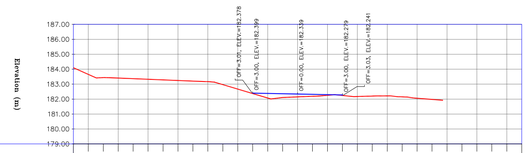

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
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-13.00	183.44	
-12.00	183.41	
-11.00	183.37	
-10.00	183.33	
-9.00	183.29	
-8.00	183.25	
-7.00	183.21	
-6.00	183.17	
-5.00	182.97	
-4.00	182.67	
-3.00	182.37	182.40
-2.00	182.08	182.38
-1.00	182.11	182.36
0.00	182.15	182.34
1.00	182.19	182.32
2.00	182.25	182.30
3.00	182.24	182.28
4.00	182.17	
5.00	182.21	
6.00	182.22	
7.00	182.15	
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10.00		
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13.00		
14.00		

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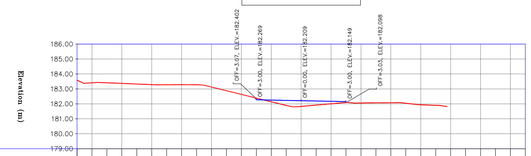

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	183.41	
-13.00	183.41	
-12.00	183.37	
-11.00	183.33	
-10.00	183.29	
-9.00	183.28	
-8.00	183.29	
-7.00	183.28	
-6.00	183.12	
-5.00	182.88	
-4.00	182.63	
-3.00	182.39	182.27
-2.00	182.14	182.25
-1.00	181.89	182.23
0.00	181.83	182.21
1.00	181.92	182.19
2.00	182.01	182.17
3.00	182.10	182.15
4.00	182.06	
5.00	182.07	
6.00	182.08	
7.00	182.04	
8.00	181.94	
9.00	181.90	
10.00		
11.00		
12.00		
13.00		
14.00		

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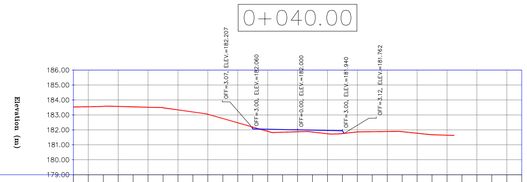

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	183.55	
-13.00	183.57	
-12.00	183.56	
-11.00	183.54	
-10.00	183.51	
-9.00	183.48	
-8.00	183.34	
-7.00	183.20	
-6.00	183.04	
-5.00	182.76	
-4.00	182.47	
-3.00	182.19	182.06
-2.00	181.90	182.04
-1.00	181.84	182.02
0.00	181.87	182.00
1.00	181.86	181.98
2.00	181.74	181.96
3.00	181.75	181.94
4.00	181.86	
5.00	181.87	
6.00	181.89	
7.00	181.87	
8.00	181.77	
9.00	181.67	
10.00	181.64	
11.00		
12.00		
13.00		
14.00		

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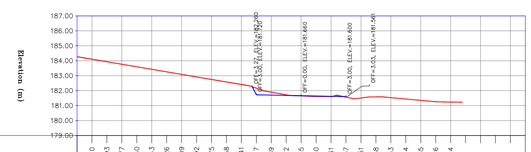

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	184.10	
-13.00	183.93	
-12.00	183.77	
-11.00	183.60	
-10.00	183.43	
-9.00	183.26	
-8.00	183.09	
-7.00	182.92	
-6.00	182.75	
-5.00	182.58	
-4.00	182.41	
-3.00	182.17	181.72
-2.00	181.89	181.70
-1.00	181.72	181.68
0.00	181.65	181.66
1.00	181.60	181.64
2.00	181.61	181.62
3.00	181.57	181.60
4.00	181.51	
5.00	181.58	
6.00	181.53	
7.00	181.44	
8.00	181.35	
9.00	181.26	
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13.00		
14.00		

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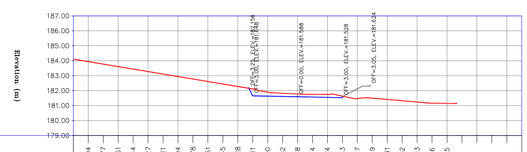


DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	183.84	
-13.00	183.77	
-12.00	183.61	
-11.00	183.44	
-10.00	183.27	
-9.00	183.11	
-8.00	182.94	
-7.00	182.78	
-6.00	182.61	
-5.00	182.45	
-4.00	182.28	
-3.00	182.11	181.65
-2.00	181.90	181.63
-1.00	181.82	181.61
0.00	181.78	181.59
1.00	181.74	181.57
2.00	181.74	181.55
3.00	181.63	181.53
4.00	181.47	
5.00	181.49	
6.00	181.41	
7.00	181.32	
8.00	181.23	
9.00	181.16	
10.00	181.15	
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

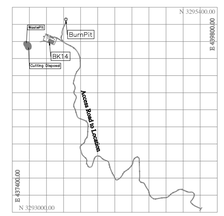
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60, 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT

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.
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	97 OF 103	D01

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	97	D02

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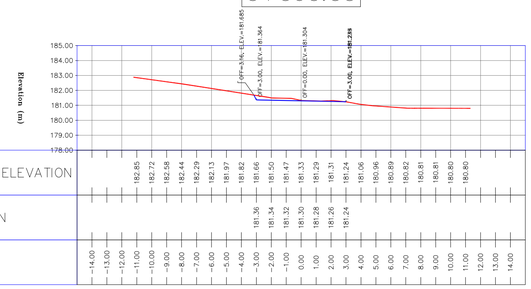
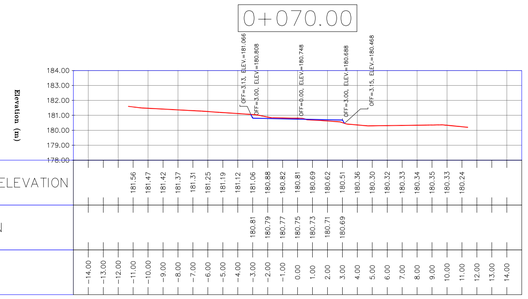


DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	182.85	
-13.00	182.72	
-12.00	182.58	
-11.00	182.44	
-10.00	182.29	
-9.00	182.13	
-8.00	181.97	
-7.00	181.82	
-6.00	181.66	
-5.00	181.50	
-4.00	181.47	
-3.00	181.33	
-2.00	181.29	
-1.00	181.31	
0.00	181.24	
1.00	181.06	
2.00	180.96	
3.00	180.89	
4.00	180.82	
5.00	180.81	
6.00	180.81	
7.00	180.80	
8.00	180.80	
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+070.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	181.56	
-13.00	181.47	
-12.00	181.42	
-11.00	181.37	
-10.00	181.31	
-9.00	181.25	
-8.00	181.19	
-7.00	181.12	
-6.00	181.06	
-5.00	180.88	
-4.00	180.82	
-3.00	180.81	
-2.00	180.69	
-1.00	180.62	
0.00	180.51	
1.00	180.36	
2.00	180.30	
3.00	180.32	
4.00	180.33	
5.00	180.35	
6.00	180.33	
7.00	180.24	
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

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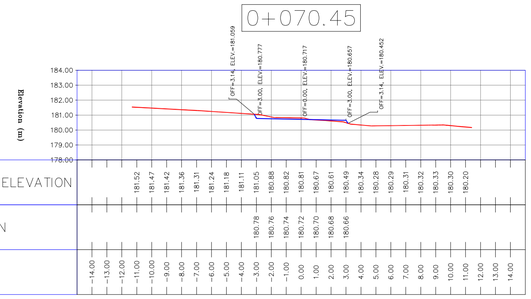
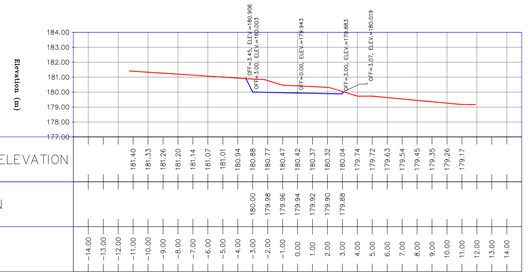


DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	181.52	
-13.00	181.47	
-12.00	181.42	
-11.00	181.36	
-10.00	181.31	
-9.00	181.24	
-8.00	181.18	
-7.00	181.11	
-6.00	181.05	
-5.00	180.88	
-4.00	180.82	
-3.00	180.81	
-2.00	180.67	
-1.00	180.61	
0.00	180.49	
1.00	180.34	
2.00	180.29	
3.00	180.29	
4.00	180.31	
5.00	180.32	
6.00	180.33	
7.00	180.30	
8.00	180.20	
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+080.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	181.40	
-13.00	181.33	
-12.00	181.26	
-11.00	181.20	
-10.00	181.14	
-9.00	181.07	
-8.00	181.01	
-7.00	180.94	
-6.00	180.88	
-5.00	180.77	
-4.00	180.47	
-3.00	180.42	
-2.00	180.37	
-1.00	180.32	
0.00	180.04	
1.00	179.74	
2.00	179.72	
3.00	179.63	
4.00	179.54	
5.00	179.45	
6.00	179.35	
7.00	179.26	
8.00	179.17	
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

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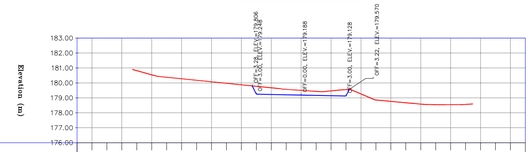

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	180.82	
-13.00	180.54	
-12.00	180.38	
-11.00	180.28	
-10.00	180.18	
-9.00	180.08	
-8.00	179.98	
-7.00	179.88	
-6.00	179.78	
-5.00	179.68	
-4.00	179.57	
-3.00	179.50	
-2.00	179.43	
-1.00	179.46	
0.00	179.55	
1.00	179.26	
2.00	178.86	
3.00	178.77	
4.00	178.67	
5.00	178.58	
6.00	178.55	
7.00	178.55	
8.00	178.56	
9.00		
10.00		
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12.00		
13.00		
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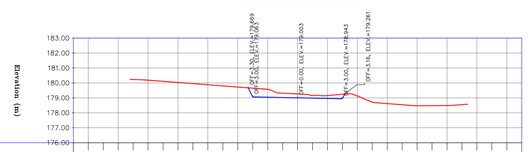

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	180.23	
-13.00	180.18	
-12.00	180.10	
-11.00	180.03	
-10.00	179.95	
-9.00	179.87	
-8.00	179.80	
-7.00	179.72	
-6.00	179.65	
-5.00	179.57	
-4.00	179.31	
-3.00	179.26	
-2.00	179.16	
-1.00	179.15	
0.00	179.25	
1.00	179.12	
2.00	178.71	
3.00	178.62	
4.00	178.54	
5.00	178.47	
6.00	178.47	
7.00	178.49	
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9.00		
10.00		
11.00		
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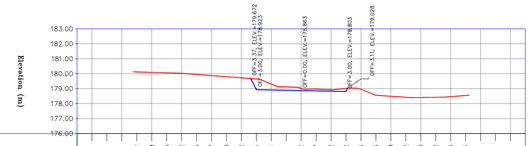

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	180.12	
-13.00	180.09	
-12.00	180.05	
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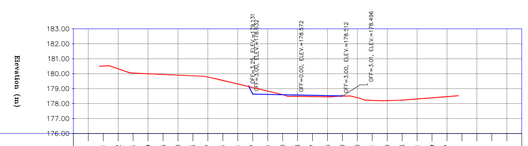
-10.00	179.95	
-9.00	179.87	
-8.00	179.80	
-7.00	179.72	
-6.00	179.64	
-5.00	179.31	
-4.00	179.11	
-3.00	178.92	
-2.00	178.90	
-1.00	178.88	
0.00	178.86	
1.00	178.84	
2.00	178.82	
3.00	178.80	
4.00	178.97	
5.00	178.92	
6.00	178.96	
7.00	178.56	
8.00	178.49	
9.00	178.42	
10.00	178.40	
11.00	178.42	
12.00	178.46	
13.00	178.54	
14.00		

0+095.30



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	180.51	
-13.00	180.32	
-12.00	180.04	
-11.00	179.99	
-10.00	179.95	
-9.00	179.90	
-8.00	179.86	
-7.00	179.77	
-6.00	179.54	
-5.00	179.31	
-4.00	179.07	
-3.00	178.63	
-2.00	178.61	
-1.00	178.59	
0.00	178.57	
1.00	178.55	
2.00	178.53	
3.00	178.51	
4.00	178.50	
5.00	178.40	
6.00	178.21	
7.00	178.20	
8.00	178.23	
9.00	178.31	
10.00	178.39	
11.00	178.47	
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

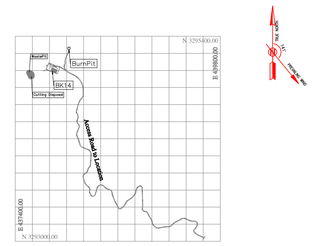
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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
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 103	D01

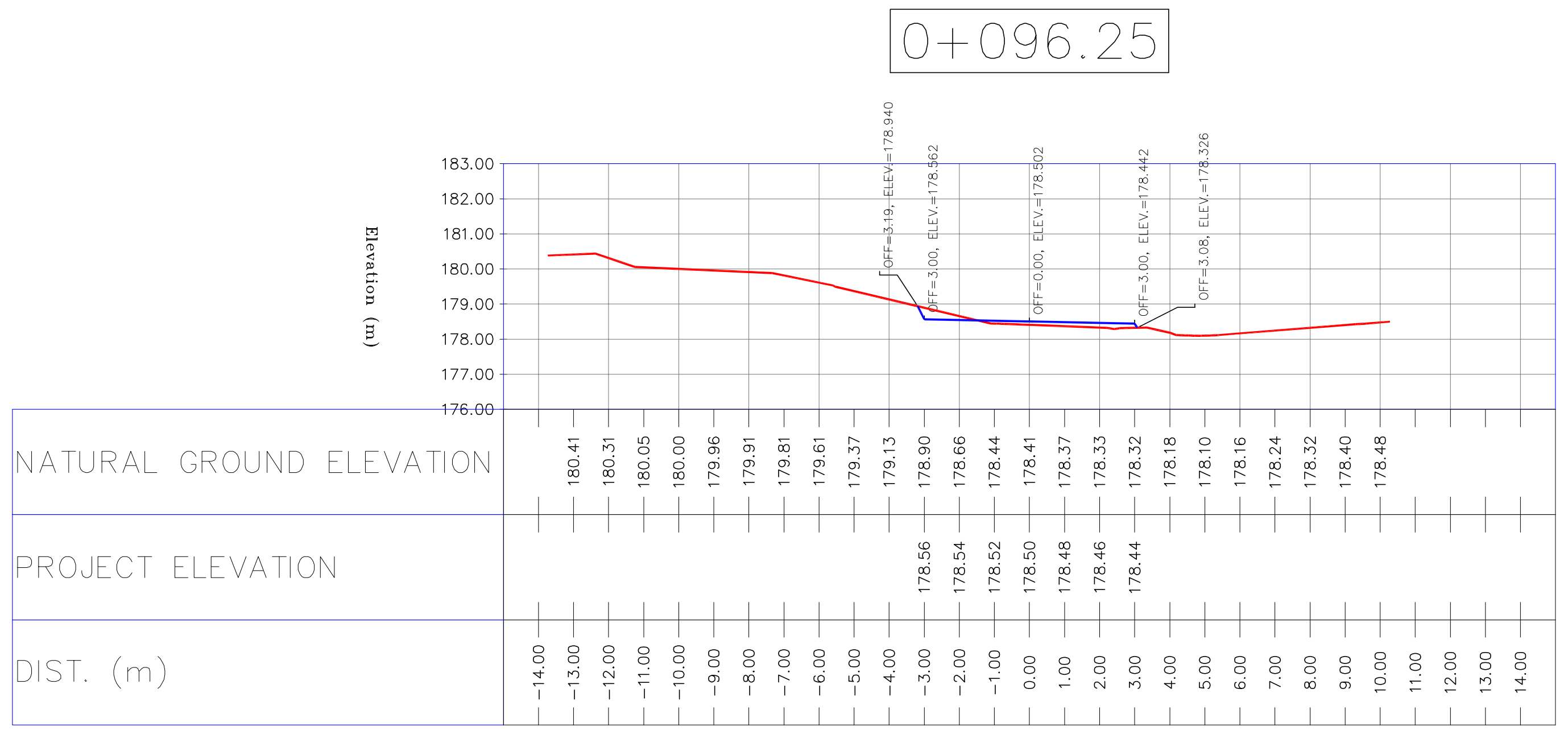
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

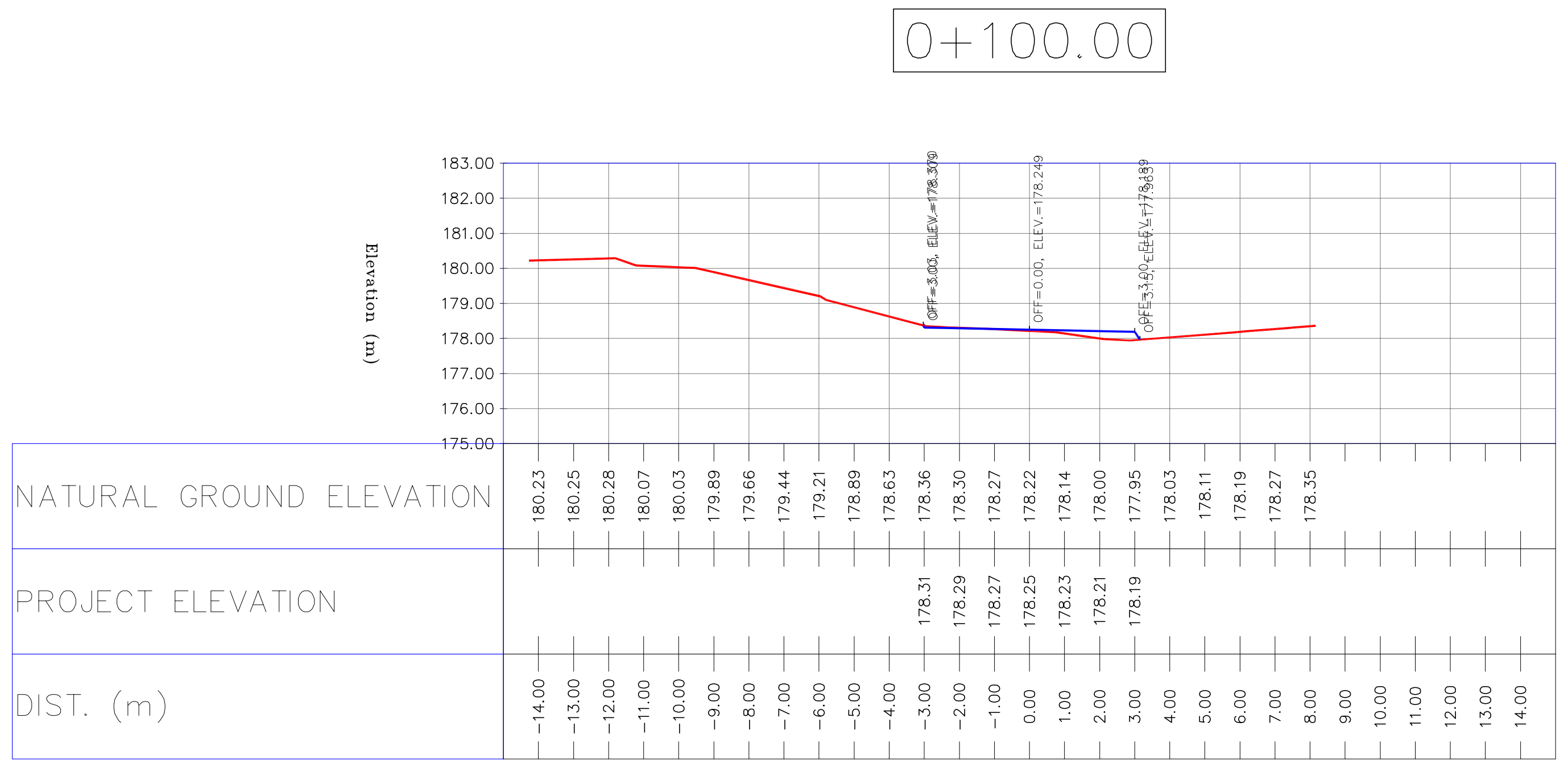
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

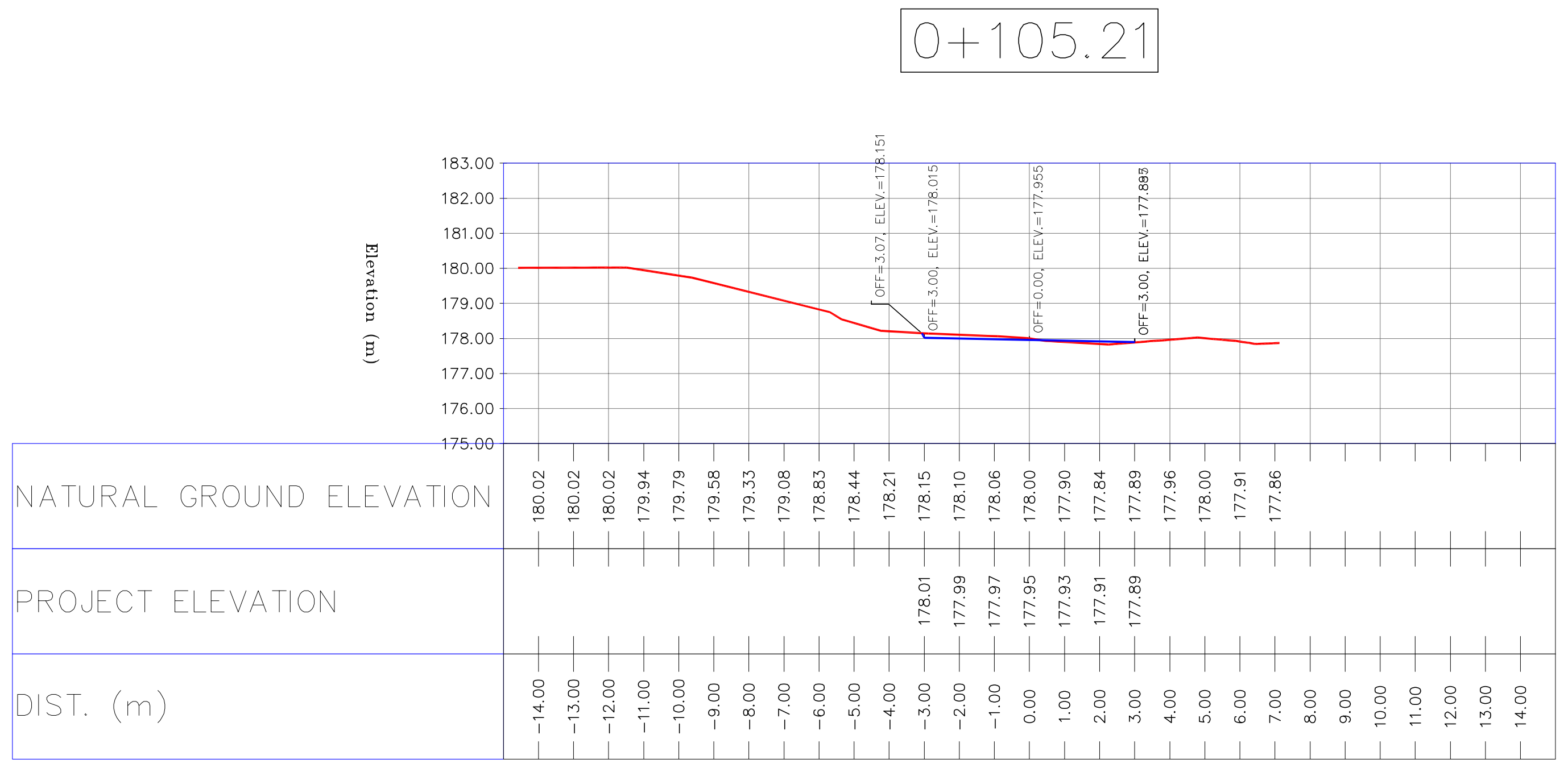
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

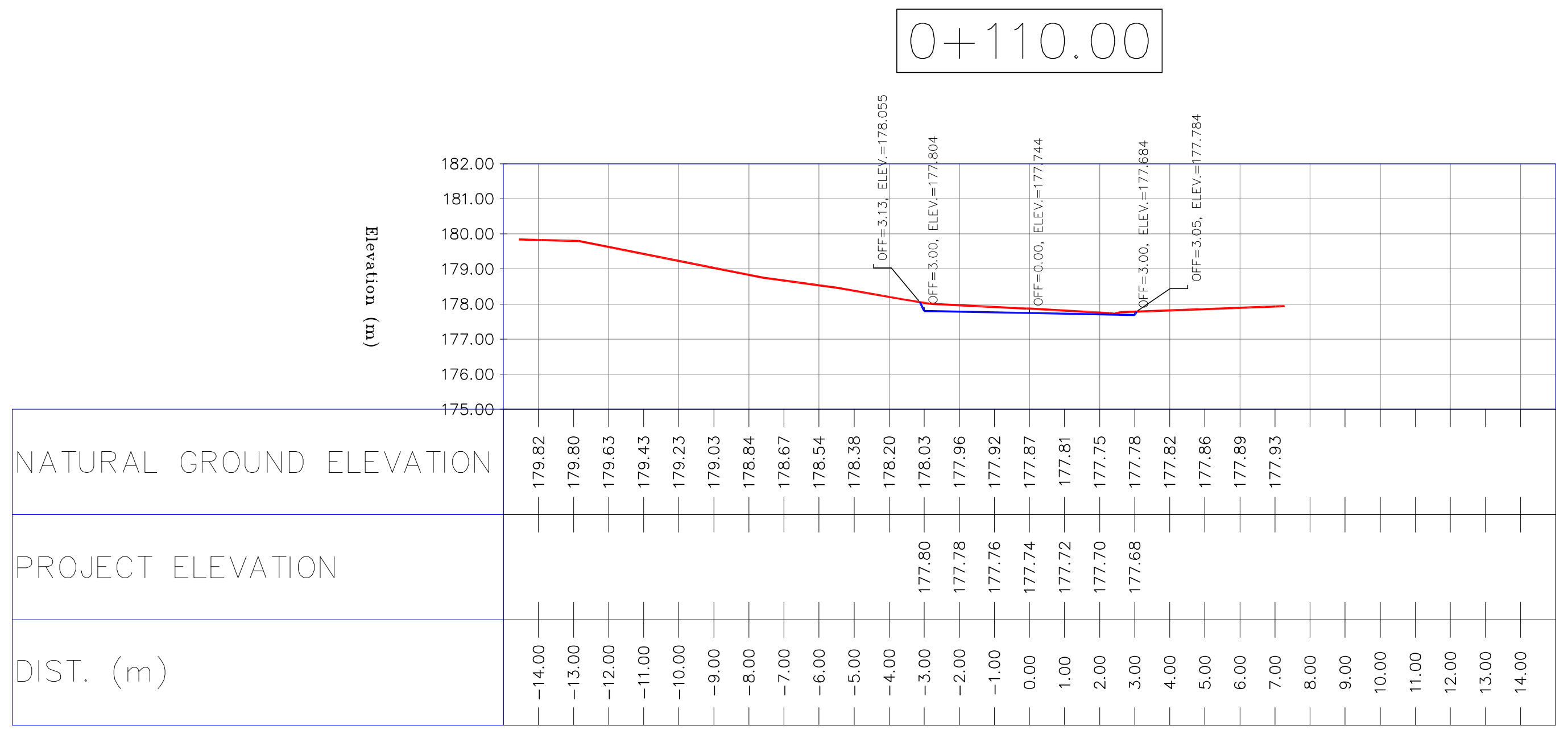
APPROVED FOR CONSTRUCTION BY: DATE:

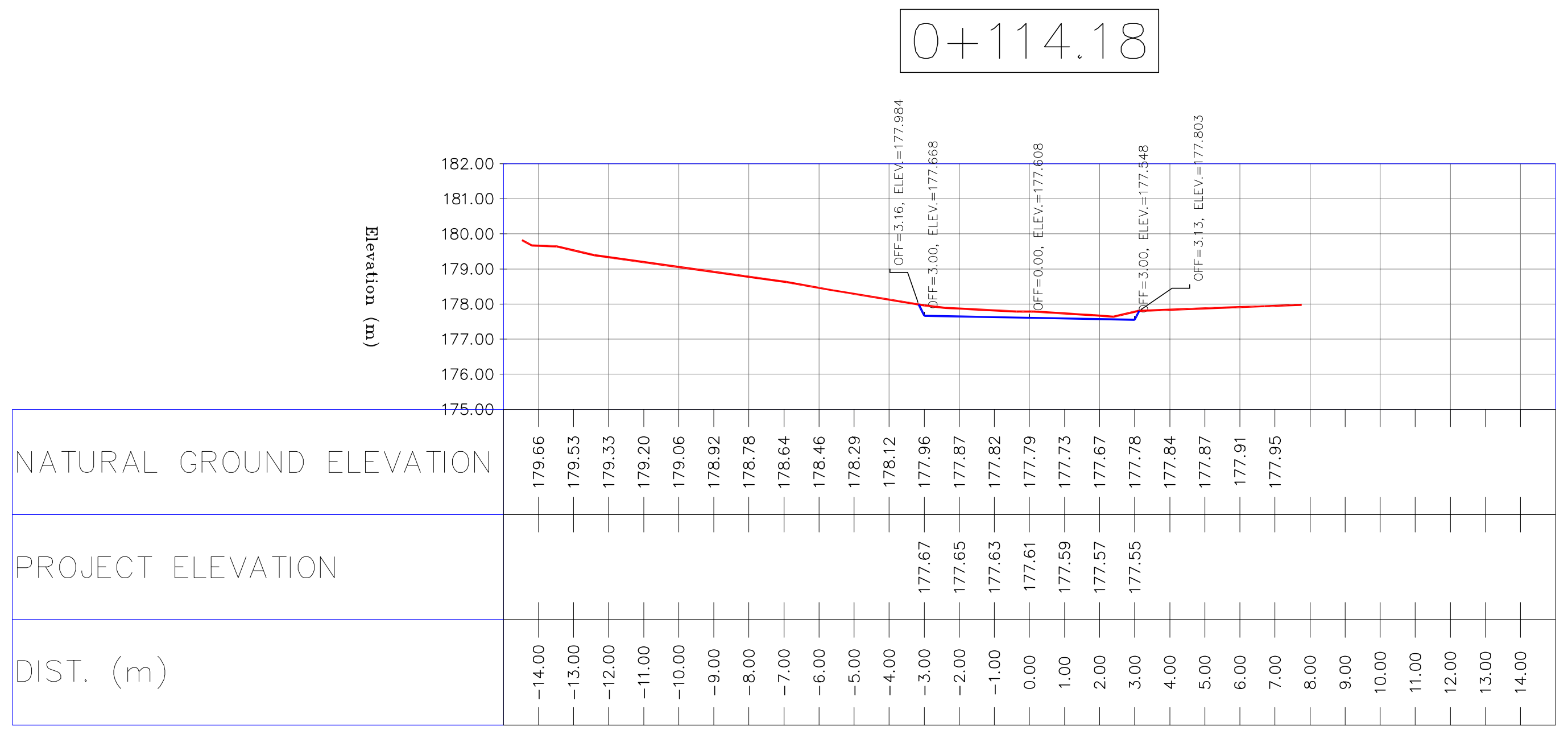
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	98	D02

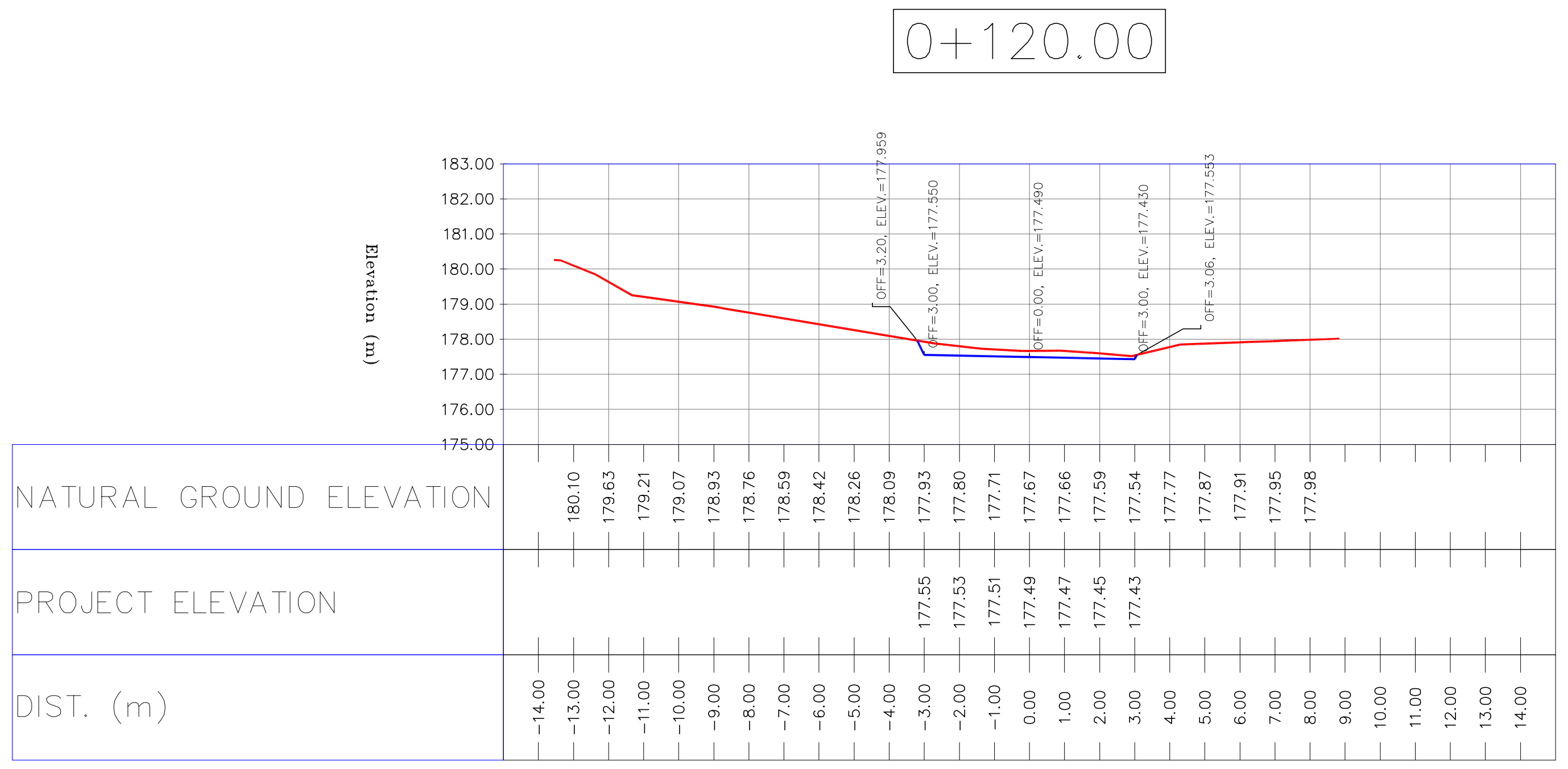


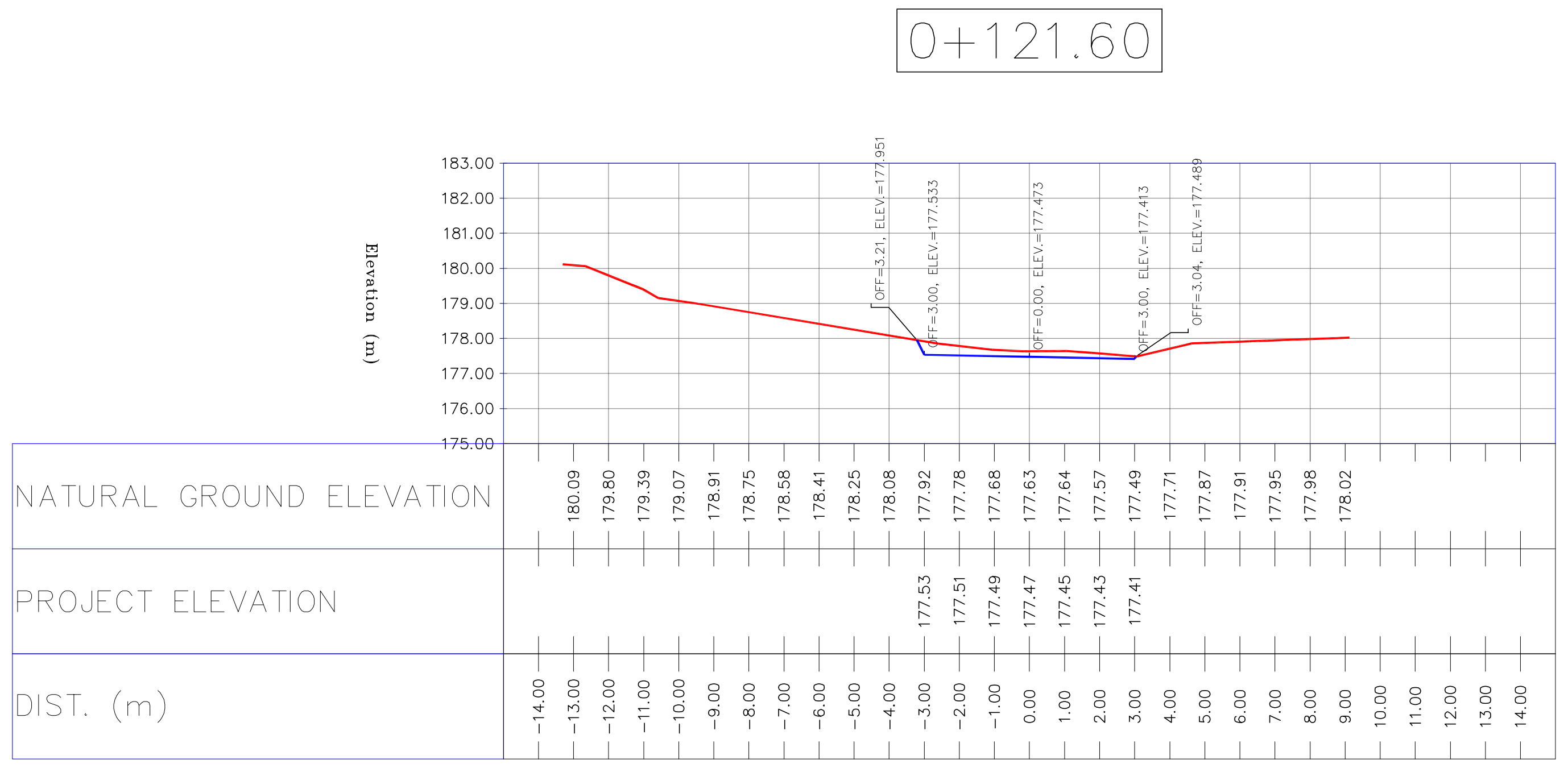


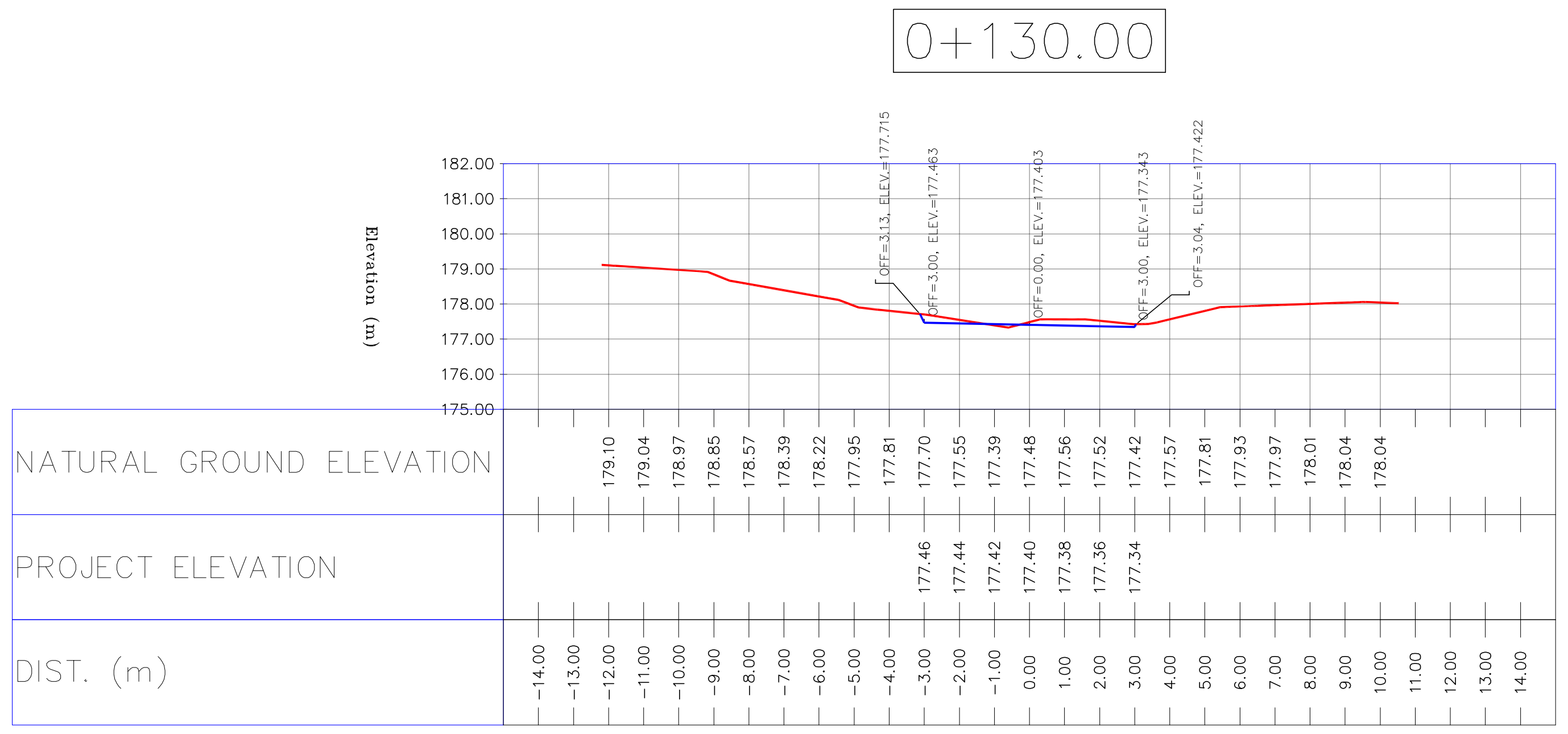












NOTES

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

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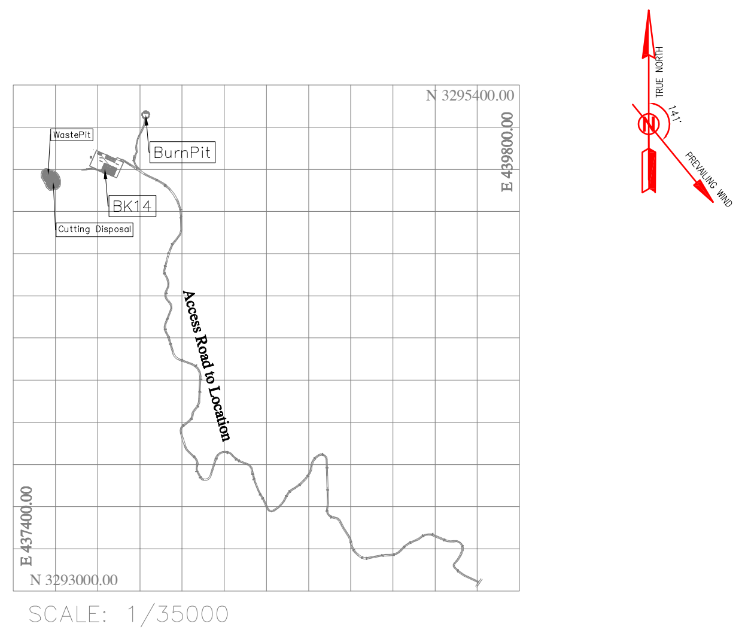
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

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

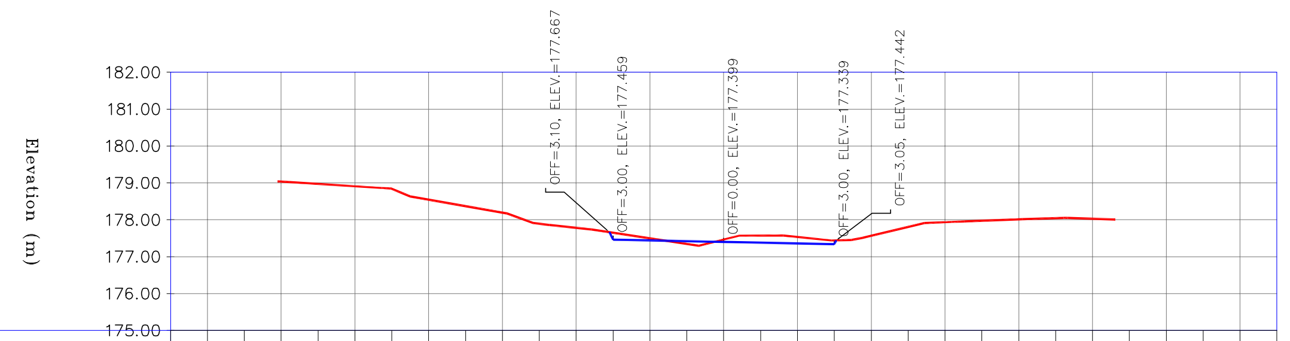
DRAWING TITLE:
CIVIL AND STRUCTURAL DRAWINGS – BK14
BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

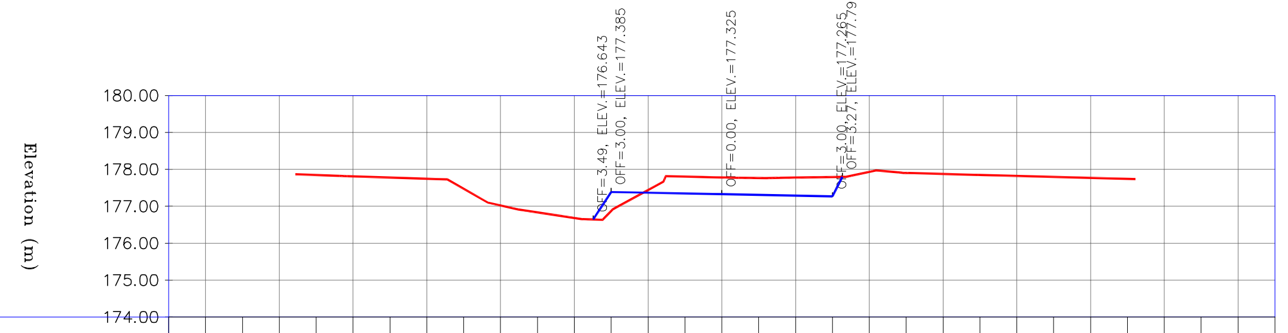
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	99 OF 103	D01	053–073–9184	F	4	S	708209	99	D02

0+130.57



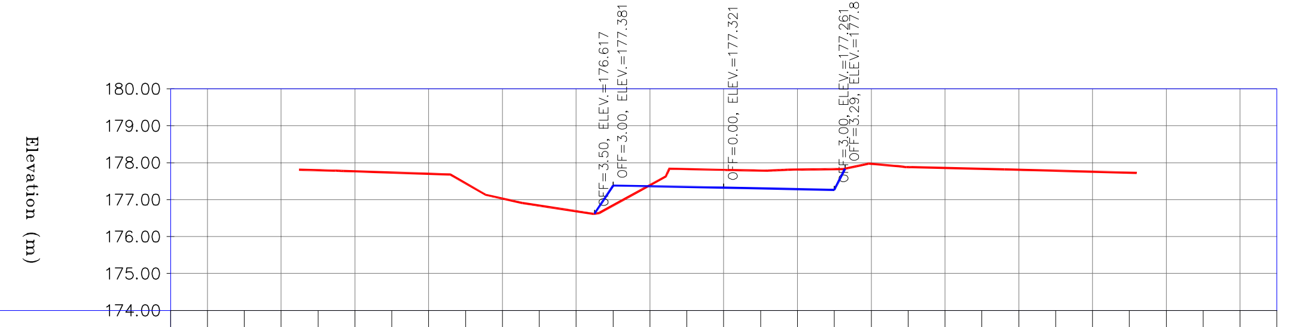
NATURAL GROUND ELEVATION			179.04	178.97	178.91	178.84	178.55	178.37	178.20	177.89	177.78	177.65	177.50	177.34	177.46	177.57	177.53	177.44	177.57	177.81	177.93	177.97	178.01	178.05	178.03				
PROJECT ELEVATION												177.46	177.44	177.42	177.40	177.38	177.36	177.34											
DIST. (m)	-14.00	-13.00	-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

0+139.54



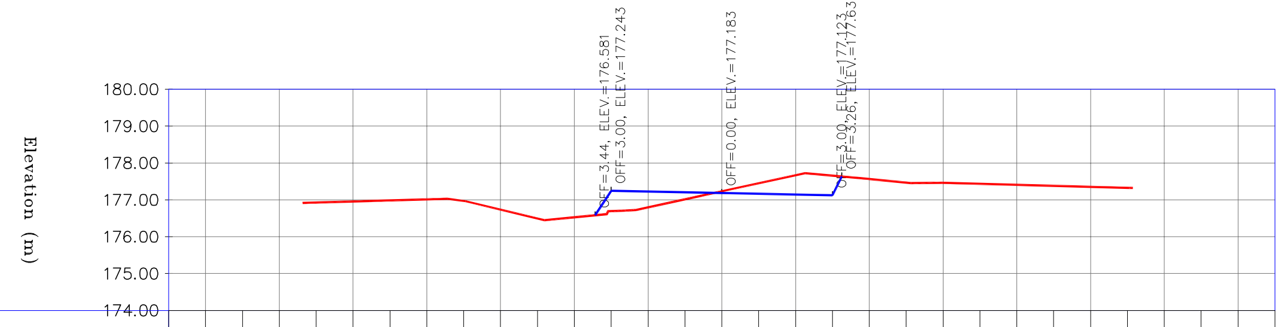
NATURAL GROUND ELEVATION				177.84	177.81	177.78	177.75	177.48	177.02	176.84	176.68	176.87	177.44	177.80	177.78	177.76	177.78	177.79	177.93	177.90	177.88	177.85	177.82	177.80	177.77	177.74			
PROJECT ELEVATION												177.38	177.36	177.34	177.32	177.30	177.28	177.26											
DIST. (m)	-14.00	-13.00	-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

0+140.00



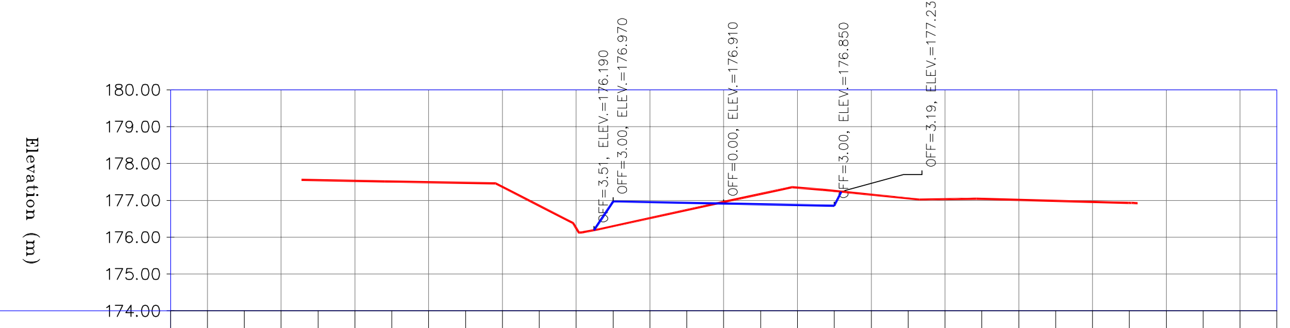
NATURAL GROUND ELEVATION				177.80	177.76	177.73	177.70	177.44	177.03	176.84	176.69	176.85	177.39	177.83	177.81	177.79	177.81	177.83	177.97	177.88	177.86	177.83	177.81	177.78	177.75	177.73			
PROJECT ELEVATION												177.38	177.36	177.34	177.32	177.30	177.28	177.26											
DIST. (m)	-14.00	-13.00	-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

0+150.00



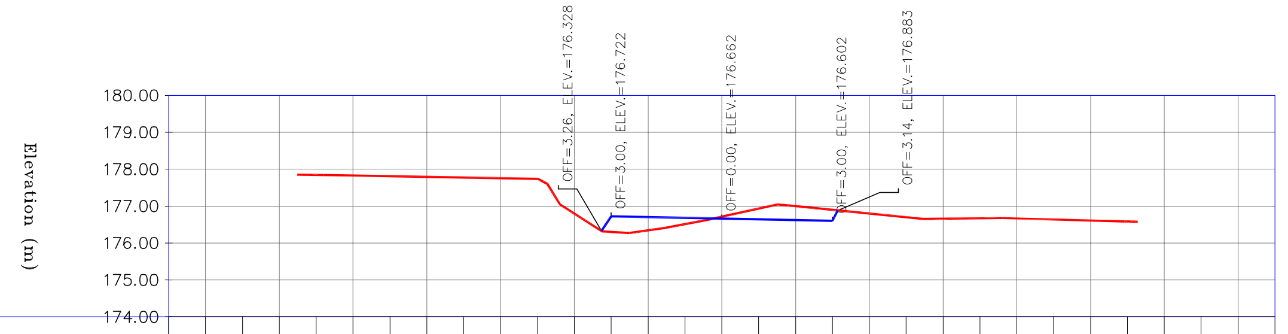
NATURAL GROUND ELEVATION				176.93	176.96	176.99	177.01	176.97	176.74	176.49	176.53	176.70	176.80	177.02	177.23	177.45	177.67	177.66	177.57	177.47	177.46	177.43	177.41	177.38	177.35	177.33			
PROJECT ELEVATION												177.24	177.22	177.20	177.18	177.16	177.14	177.12											
DIST. (m)	-14.00	-13.00	-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

0+160.00



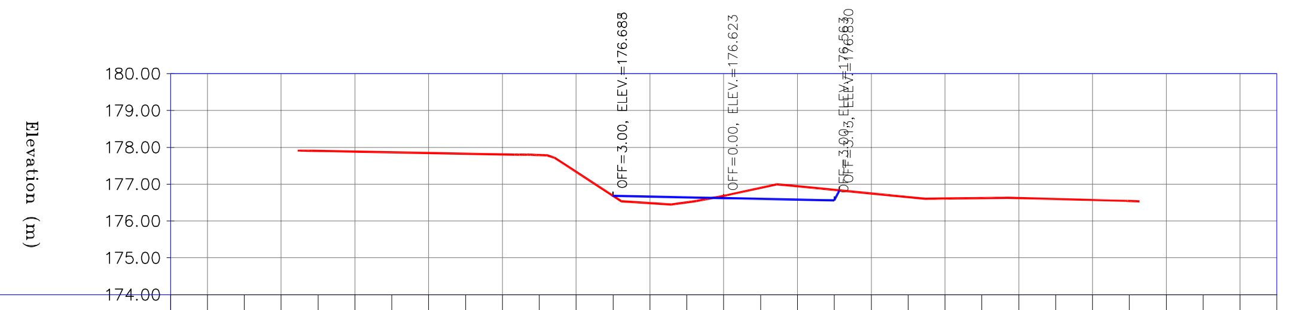
NATURAL GROUND ELEVATION				177.55	177.53	177.51	177.49	177.48	177.37	176.85	176.25	176.30	176.52	176.74	176.95	177.17	177.35	177.25	177.15	177.05	177.03	177.04	177.01	176.98	176.96	176.93			
PROJECT ELEVATION												176.97	176.95	176.93	176.91	176.89	176.87	176.85											
DIST. (m)	-14.00	-13.00	-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+168.65



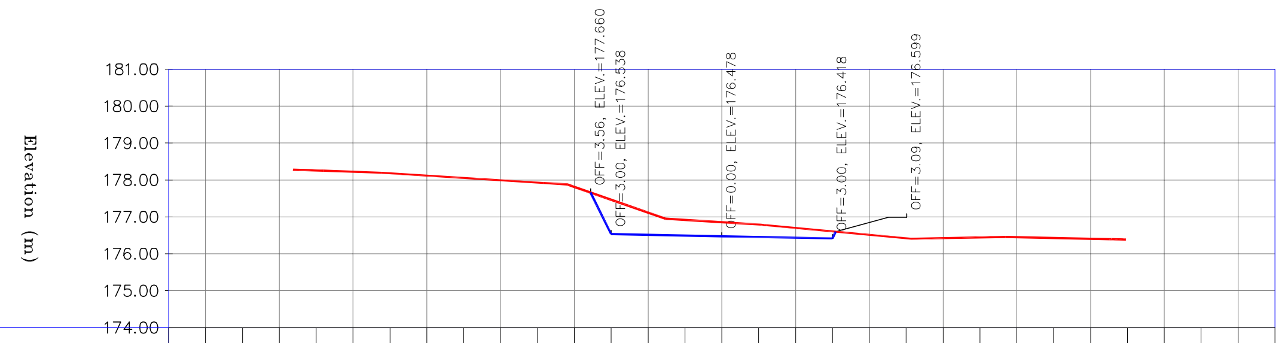
NATURAL GROUND ELEVATION				177.84	177.82	177.81	177.79	177.77	177.75	177.73	176.80	176.30	176.35	176.51	176.71	176.93	177.00	176.90	176.80	176.70	176.66	176.67	176.67	176.64	176.61	176.59			
PROJECT ELEVATION												176.72	176.70	176.68	176.66	176.64	176.62	176.60											
DIST. (m)	-14.00	-13.00	-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

0+170.00



NATURAL GROUND ELEVATION				177.90	177.88	177.86	177.84	177.82	177.80	177.79	177.34	176.69	176.49	176.51	176.68	176.90	176.94	176.84	176.74	176.65	176.61	176.62	176.62	176.60	176.57	176.55			
PROJECT ELEVATION												176.68	176.66	176.64	176.62	176.60	176.58	176.56											
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

0+175.06



NATURAL GROUND ELEVATION				178.26	178.22	178.18	178.12	178.06	177.99	177.93	177.81	177.46	177.12	176.92	176.86	176.79	176.70	176.61	176.51	176.42	176.42	176.44	176.45	176.43	176.41				
PROJECT ELEVATION												176.54	176.52	176.50	176.48	176.46	176.44	176.42											
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:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
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LEGEND

⊙	WELL LOCATION	→	CANAL
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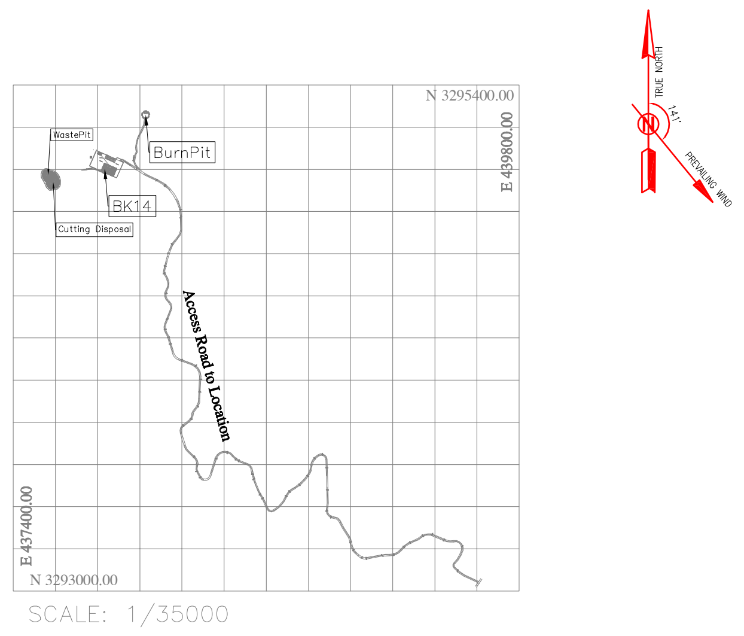
🟥	CAMP SITE	60 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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
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
BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

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	100 OF 103	D01	053-073-9184	F	4	S	708209	100	D02

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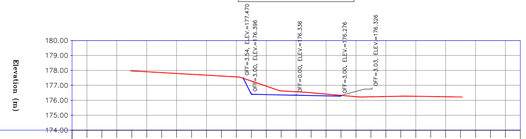

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	177.96	
-13.00	177.90	
-12.00	177.85	
-11.00	177.79	
-10.00	177.74	
-9.00	177.68	
-8.00	177.62	
-7.00	177.57	
-6.00	177.57	
-5.00	177.29	
-4.00	176.95	176.40
-3.00	176.63	176.38
-2.00	176.57	176.36
-1.00	176.51	176.34
0.00	176.41	176.32
1.00	176.33	176.30
2.00	176.24	176.28
3.00	176.23	
4.00	176.25	
5.00	176.28	
6.00	176.27	
7.00	176.25	
8.00	176.24	
9.00	176.22	
10.00		
11.00		
12.00		
13.00		
14.00		

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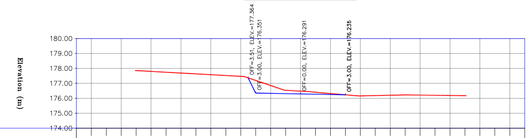

DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	177.85	
-13.00	177.80	
-12.00	177.74	
-11.00	177.69	
-10.00	177.63	
-9.00	177.58	
-8.00	177.52	
-7.00	177.47	
-6.00	177.19	
-5.00	176.86	
-4.00	176.53	176.35
-3.00	176.48	176.33
-2.00	176.41	176.31
-1.00	176.32	176.29
0.00	176.24	176.27
1.00	176.16	176.25
2.00	176.18	176.23
3.00	176.21	
4.00	176.23	
5.00	176.21	
6.00	176.20	
7.00	176.19	
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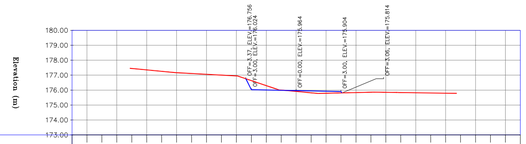
10.00		
11.00		
12.00		
13.00		
14.00		

0+190.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	177.44	
-13.00	177.35	
-12.00	177.26	
-11.00	177.17	
-10.00	177.11	
-9.00	177.06	
-8.00	177.00	
-7.00	176.95	
-6.00	176.63	176.02
-5.00	176.30	176.00
-4.00	176.03	175.98
-3.00	175.97	175.96
-2.00	175.82	175.94
-1.00	175.79	175.92
0.00	175.81	175.90
1.00	175.84	
2.00	175.86	
3.00	175.85	
4.00	175.84	
5.00	175.82	
6.00	175.81	
7.00	175.80	
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

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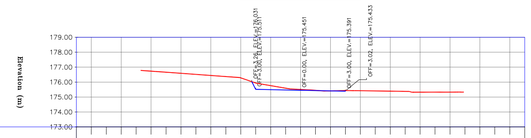
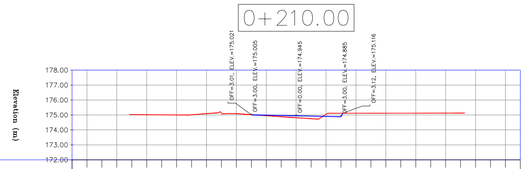


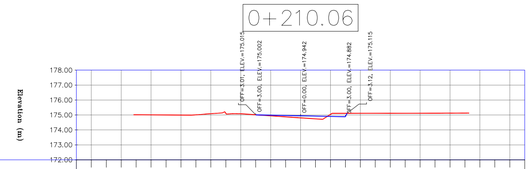
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	176.73	
-13.00	176.66	
-12.00	176.59	
-11.00	176.51	
-10.00	176.44	
-9.00	176.37	
-8.00	176.28	
-7.00	175.94	175.51
-6.00	175.76	175.49
-5.00	175.59	175.47
-4.00	175.51	175.45
-3.00	175.45	175.43
-2.00	175.41	175.41
-1.00	175.43	175.39
0.00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

0+210.00



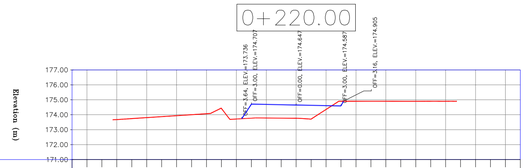
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	175.03	
-13.00	175.02	
-12.00	175.01	
-11.00	175.01	
-10.00	175.02	
-9.00	175.09	
-8.00	175.13	
-7.00	175.09	
-6.00	175.02	
-5.00	174.95	175.00
-4.00	174.88	174.98
-3.00	174.81	174.96
-2.00	174.75	174.94
-1.00	175.05	174.92
0.00	175.12	174.90
1.00	175.12	174.88
2.00	175.12	
3.00	175.12	
4.00	175.12	
5.00	175.12	
6.00	175.12	
7.00	175.12	
8.00	175.13	
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+210.06



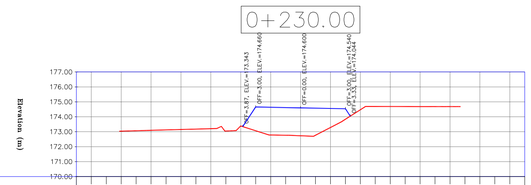
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	175.02	
-13.00	175.01	
-12.00	175.00	
-11.00	175.00	
-10.00	175.01	
-9.00	175.08	
-8.00	175.12	
-7.00	175.08	
-6.00	175.01	175.00
-5.00	174.95	174.98
-4.00	174.88	174.96
-3.00	174.81	174.94
-2.00	174.74	174.92
-1.00	175.05	174.90
0.00	175.11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

0+220.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	173.68	
-13.00	173.74	
-12.00	173.81	
-11.00	173.87	
-10.00	173.94	
-9.00	174.00	
-8.00	174.07	
-7.00	174.42	
-6.00	173.72	
-5.00	173.77	174.71
-4.00	173.78	174.69
-3.00	173.77	174.67
-2.00	173.76	174.65
-1.00	173.71	174.63
0.00	174.36	174.61
1.00	174.91	174.59
2.00	174.91	
3.00	174.90	
4.00	174.90	
5.00	174.90	
6.00	174.90	
7.00	174.90	
8.00	174.90	
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+230.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	173.03	
-13.00	173.06	
-12.00	173.09	
-11.00	173.12	
-10.00	173.15	
-9.00	173.18	
-8.00	173.20	
-7.00	173.05	
-6.00	173.38	
-5.00	173.07	174.66
-4.00	172.78	174.64
-3.00	172.77	174.62
-2.00	172.73	174.60
-1.00	172.77	174.58
0.00	173.29	174.56
1.00	173.84	174.54
2.00	174.47	
3.00	174.69	
4.00	174.69	
5.00	174.69	
6.00	174.69	
7.00	174.68	
8.00	174.68	
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

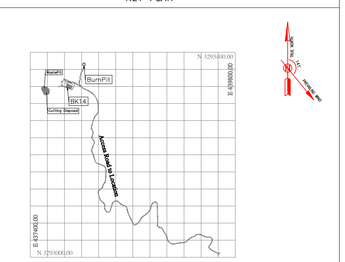
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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.
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	101 OF 103	D01

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

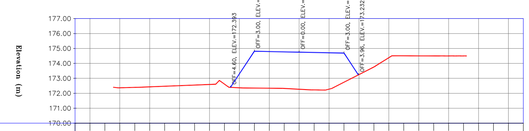
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

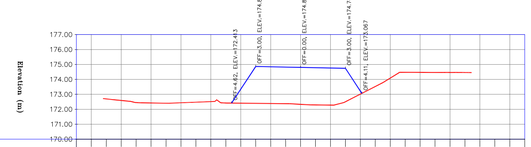
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	101	D02

0+238.38



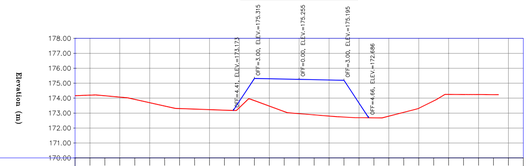
NATURAL GROUND ELEVATION	172.37	172.40	172.43	172.47	172.51	172.55	172.59	172.61	172.37	172.37	172.35	172.34	172.33	172.27	172.23	172.28	172.74	173.25	173.76	174.39	174.51	174.51	174.50	174.50	174.50					
PROJECT ELEVATION									173.30	174.81	174.79	174.77	174.75	174.73	174.71	174.69														
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	

0+240.00



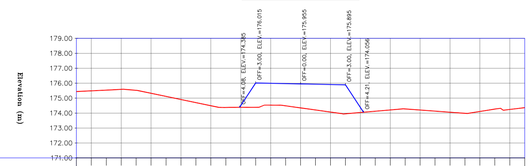
NATURAL GROUND ELEVATION	172.69	172.59	172.45	172.42	172.41	172.44	172.48	172.51	172.42	172.41	172.40	172.39	172.38	172.33	172.29	172.28	172.50	173.01	173.52	174.08	174.47	174.47	174.46							
PROJECT ELEVATION									173.35	174.86	174.84	174.82	174.80	174.78	174.76	174.74	173.23													
DIST. (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	

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											173.80	175.31	175.29	175.27	175.25	175.23	175.21	175.19	173.68											
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	174.28	174.20	174.13	174.06	173.98	174.11	174.27	174.24	
PROJECT ELEVATION											174.50	176.02	176.00	175.98	175.96	175.94	175.92	175.90	174.38											
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	

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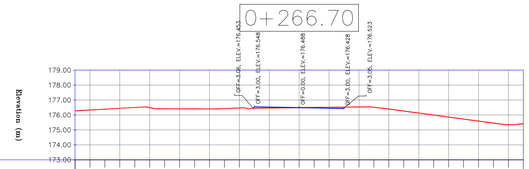

NATURAL GROUND ELEVATION	176.34	176.39	176.45	176.50	176.41	176.41	176.41	176.43	176.47	176.45	176.47	176.48	176.49	176.50	176.51	176.52	176.53	176.51	176.40	176.27	176.13	176.00	175.86	175.73	175.59	175.46	175.35			
PROJECT ELEVATION											176.55	176.53	176.51	176.49	176.47	176.45	176.43													
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	

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
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EVCS= END OF VERTICAL CURVE STATION
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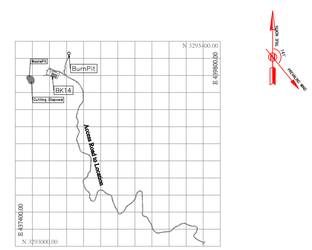
KEY PLAN



SCALE: 1/35000

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

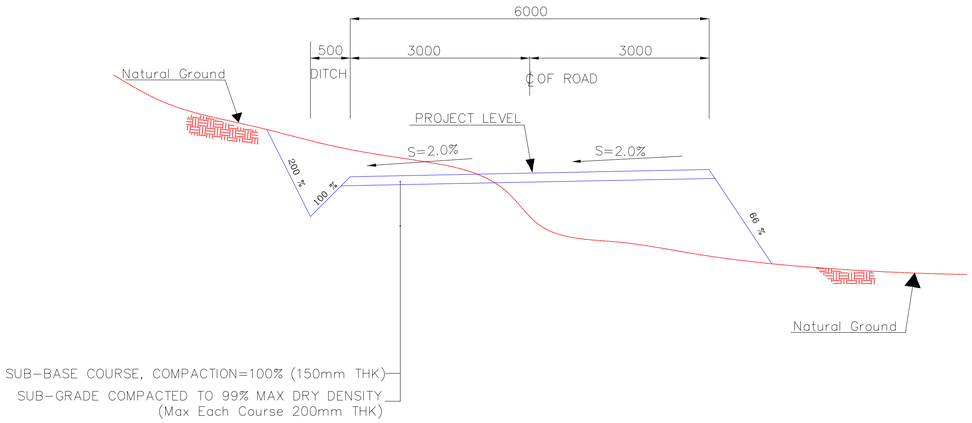
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

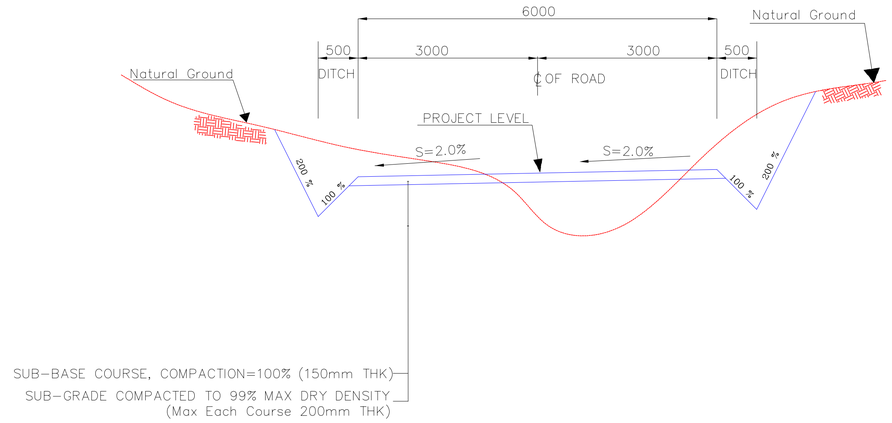
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

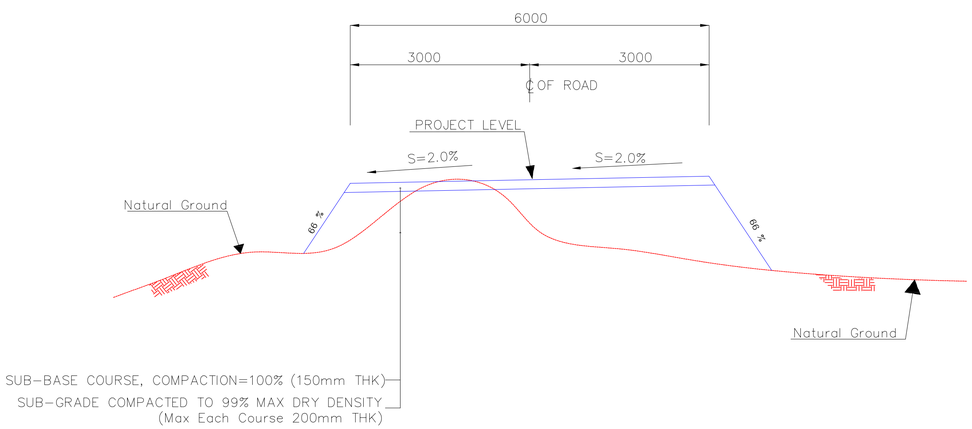
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

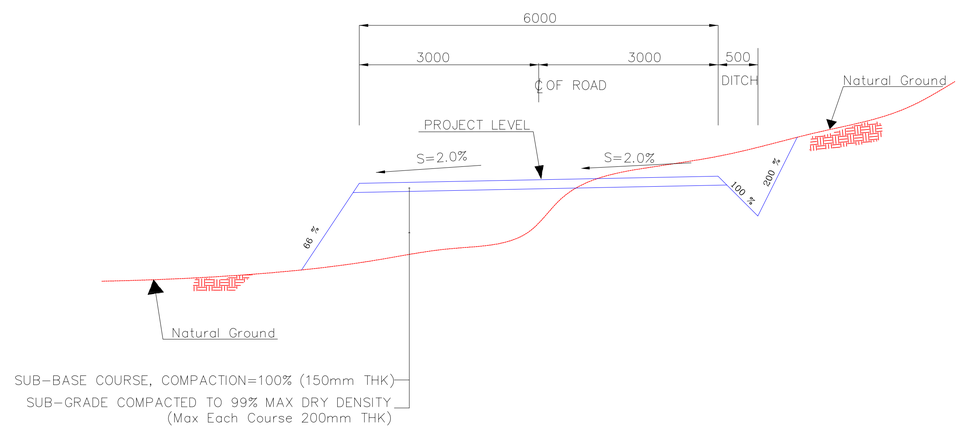
APPROVED FOR CONSTRUCTION BY: DATE:

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	102 OF 103	D01	053-073-9184	F	4	S	708209	102	D02









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

NOTES

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	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
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KEY PLAN

SCALE: 1/35000

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): 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	103 OF 103	D01

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	103	D02