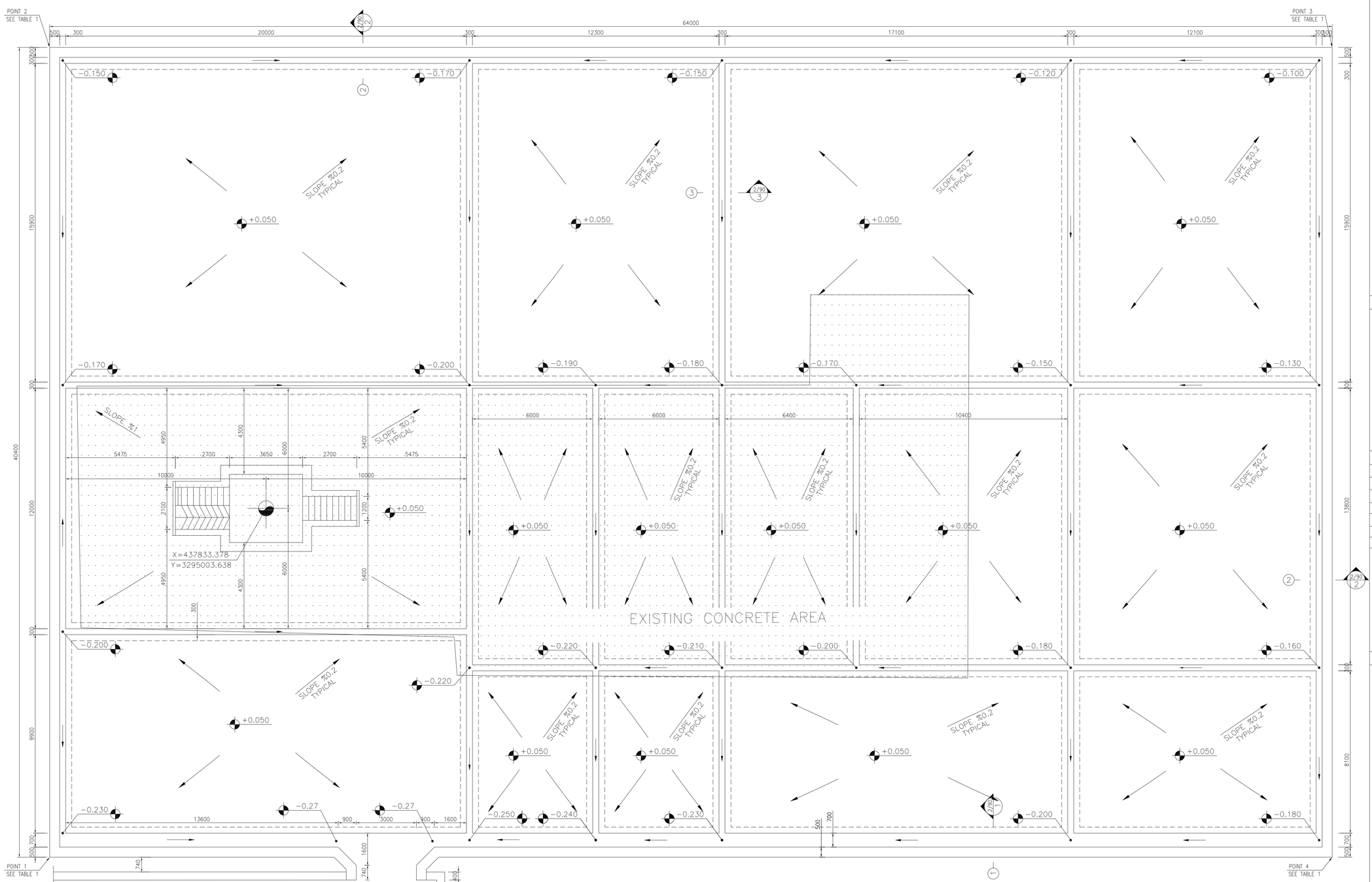
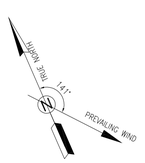


WELLPAD FOUNDATION PLAN
1:100 — FORMWORK

TABLE 1 (CORNERS COORDINATES)		
POINT 1	E=437816.524	N=3294992.005
POINT 2	E=437832.672	N=3295029.038
POINT 3	E=437891.337	N=3295003.457
POINT 4	E=437875.190	N=3294966.425



NOTES

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

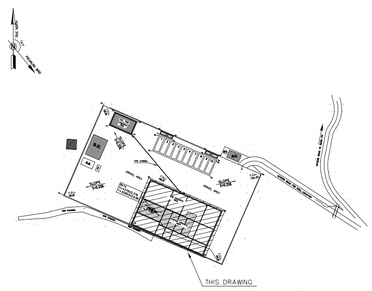
LEGEND AND ABBREVIATION

REINFORCED CONCRETE
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE

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
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

KEY PLAN



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

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

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
WELLPAD FOUNDATION FORMWORK PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	01 OF 90	D00

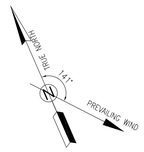
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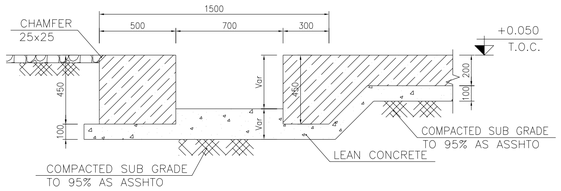
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

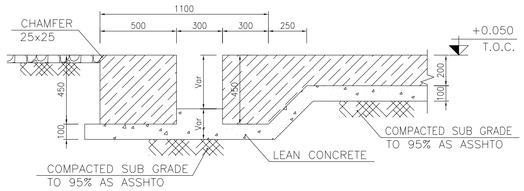
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APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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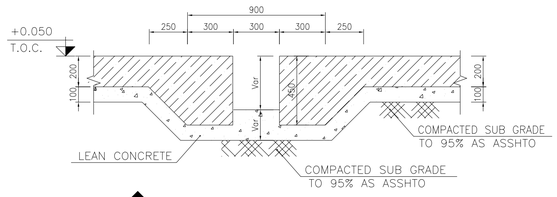




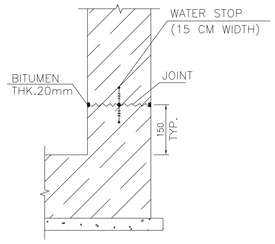
1/90 1:20 — 1 — TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



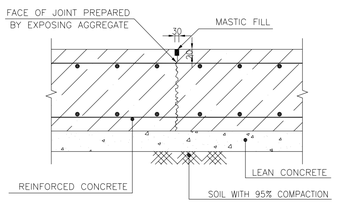
1/90 1:20 — 2 — TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



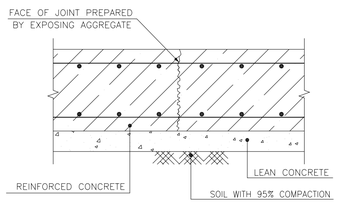
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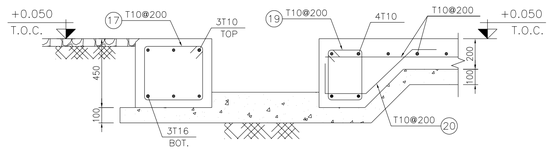
N.T.S. — 4 — TYPICAL DETAIL OF WATER STOP



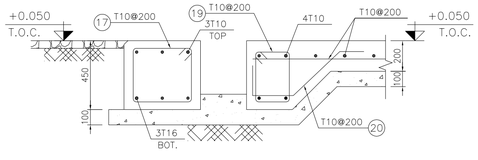
N.T.S. — 5 — TYPICAL CONTRACTION JOINT EVERY 6000



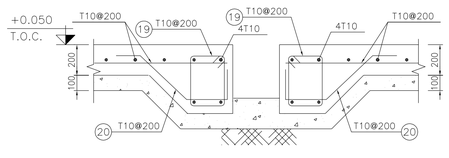
N.T.S. — 6 — TYPICAL CONSTRUCTION JOINT



3/90 1:20 — 7 — TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



3/90 1:20 — 8 — TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



3/90 1:20 — 9 — TYPICAL CHANNEL SECTION IN MIDDLE SIDE

NOTES

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SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
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VERTICAL DATUM:	MSL

±0.00 = +186.00(R.G.L.)MSL

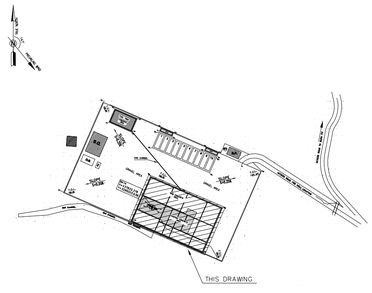
LEGEND AND ABBREVIATION

REINFORCED CONCRETE
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE

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
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

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
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
WELLPAD AND RIG FOUNDATION DETAILS & SECTIONS

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AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	02 OF 90	D00

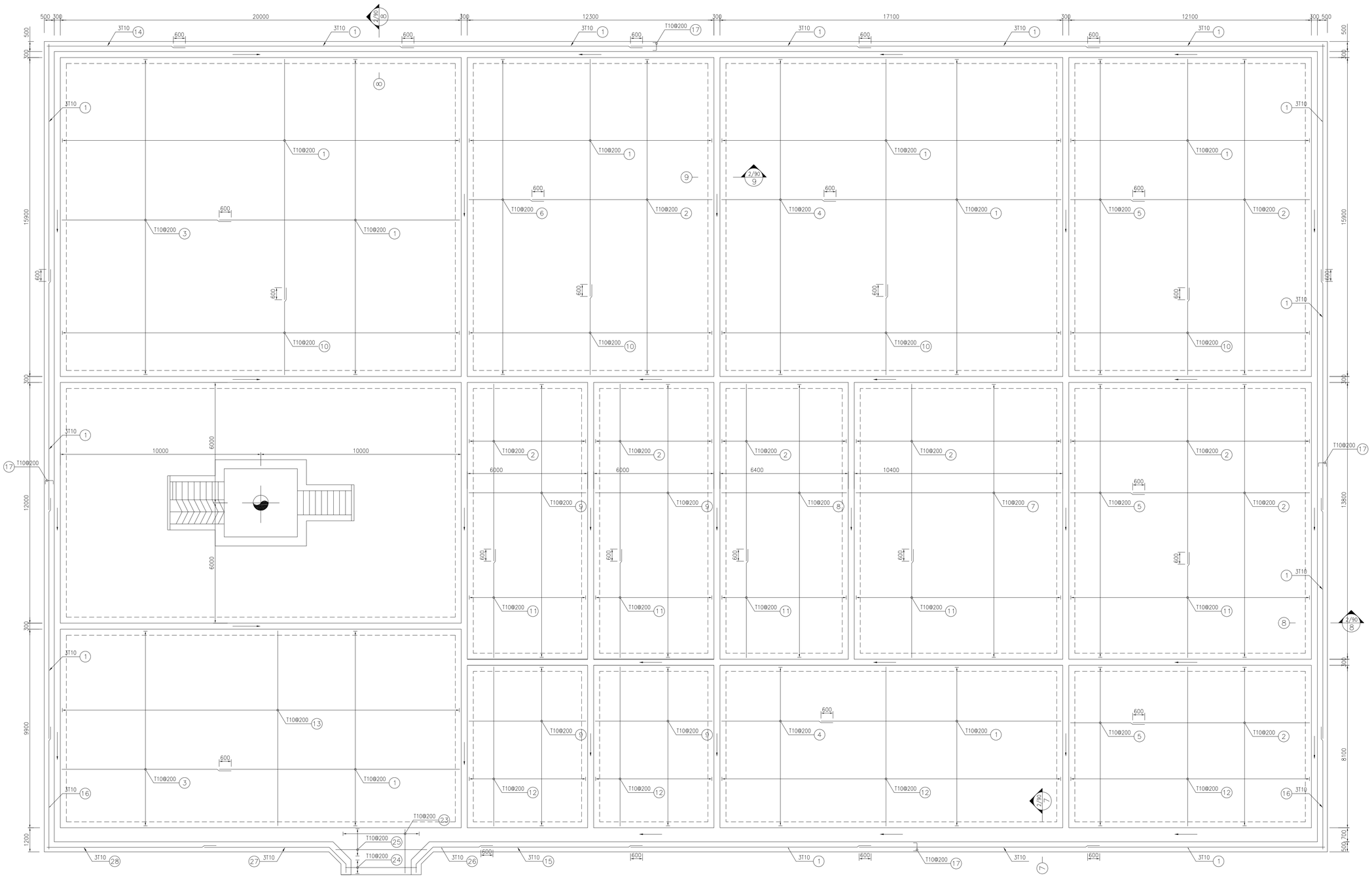
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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

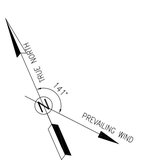
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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	2	D00



WELLPAD FOUNDATION PLAN
REINFORCEMENT
1:100



NOTES

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

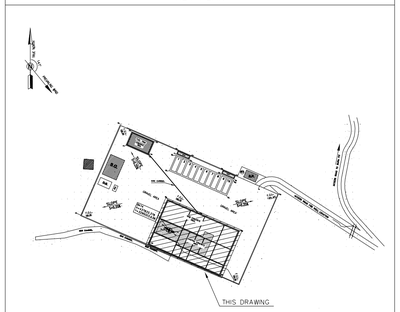
LEGEND AND ABBREVIATION

REINFORCED CONCRETE
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GRAVEL
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KEY PLAN



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

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

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

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

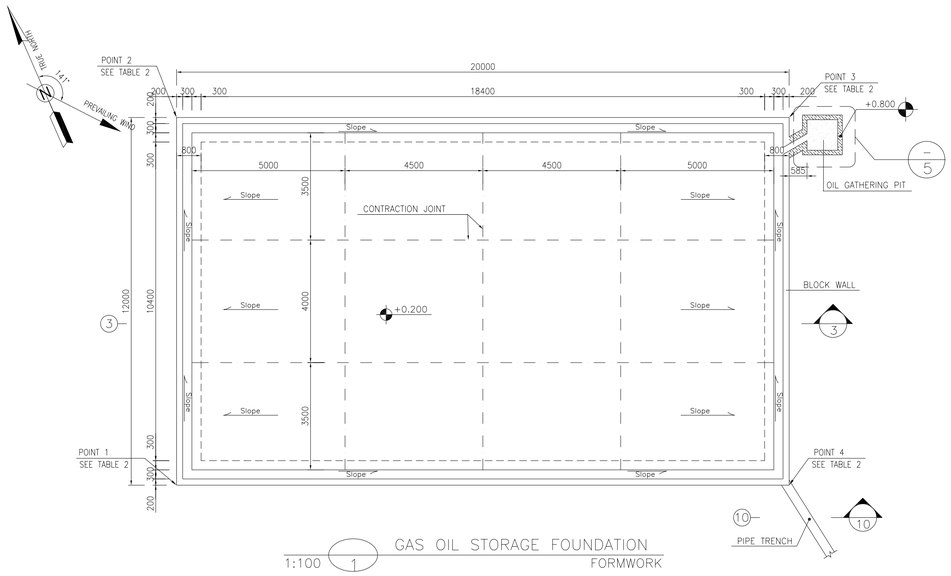
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DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
WELLPAD FOUNDATION REINFORCEMENT PLAN

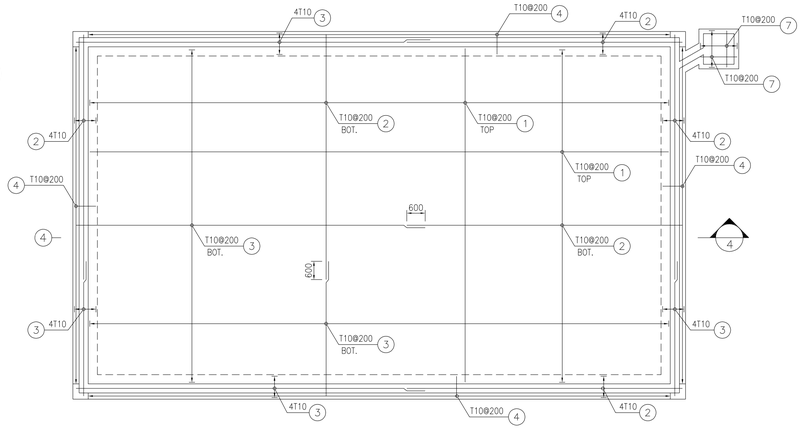
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APPROVED FOR CONSTRUCTION | BY: | DATE:

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AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	03 OF 90	D00

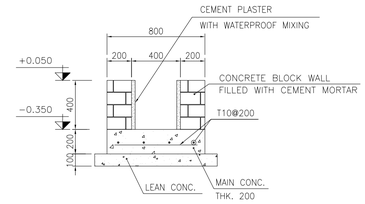
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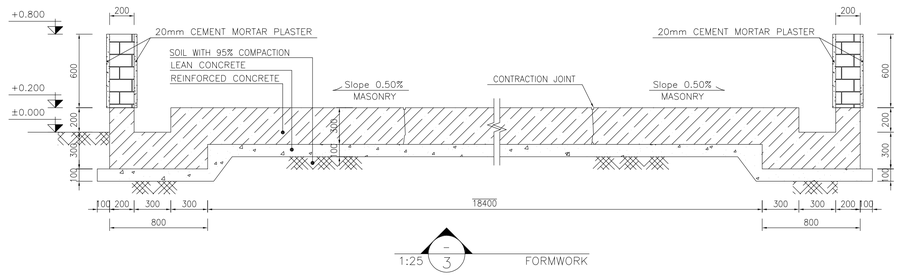
GAS OIL STORAGE FOUNDATION FORMWORK
1:100 (1)



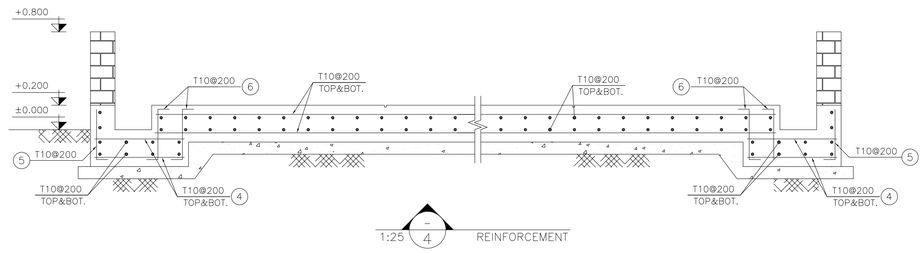
GAS OIL STORAGE FOUNDATION REINFORCEMENT
1:100 (2)



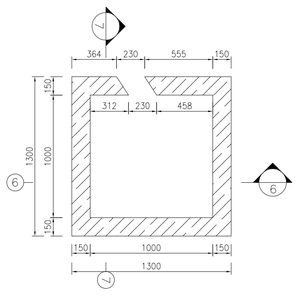
TYPICAL SECTION OF PIPE TRENCH
1:25 (10)



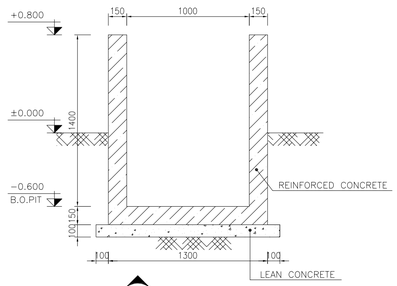
FORMWORK
1:25 (3)



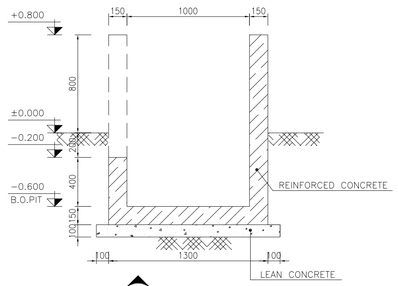
REINFORCEMENT
1:25 (4)



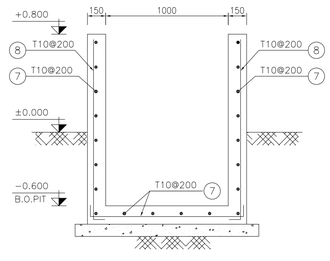
OIL GATHERING PIT
1:25 (5)



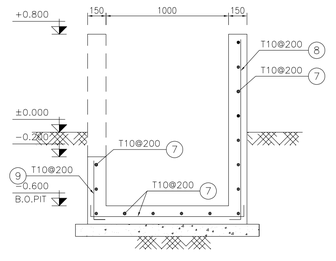
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1:25 (6)



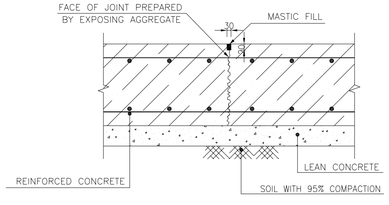
FORMWORK
1:25 (7)



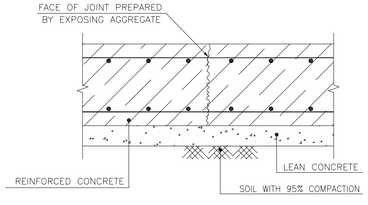
REINFORCEMENT
1:25 (8)



REINFORCEMENT
1:25 (9)



TYPICAL CONTRACTION JOINT EVERY 4000
N.T.S. (11)



TYPICAL CONSTRUCTION JOINT
N.T.S. (12)

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

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: 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.
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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

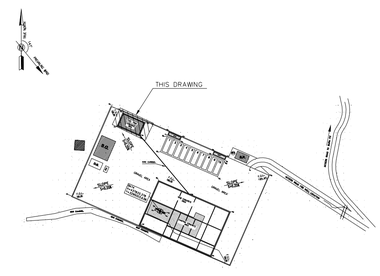
LEGEND AND ABBREVIATION

REINFORCED CONCRETE
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE

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
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

KEY PLAN



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

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

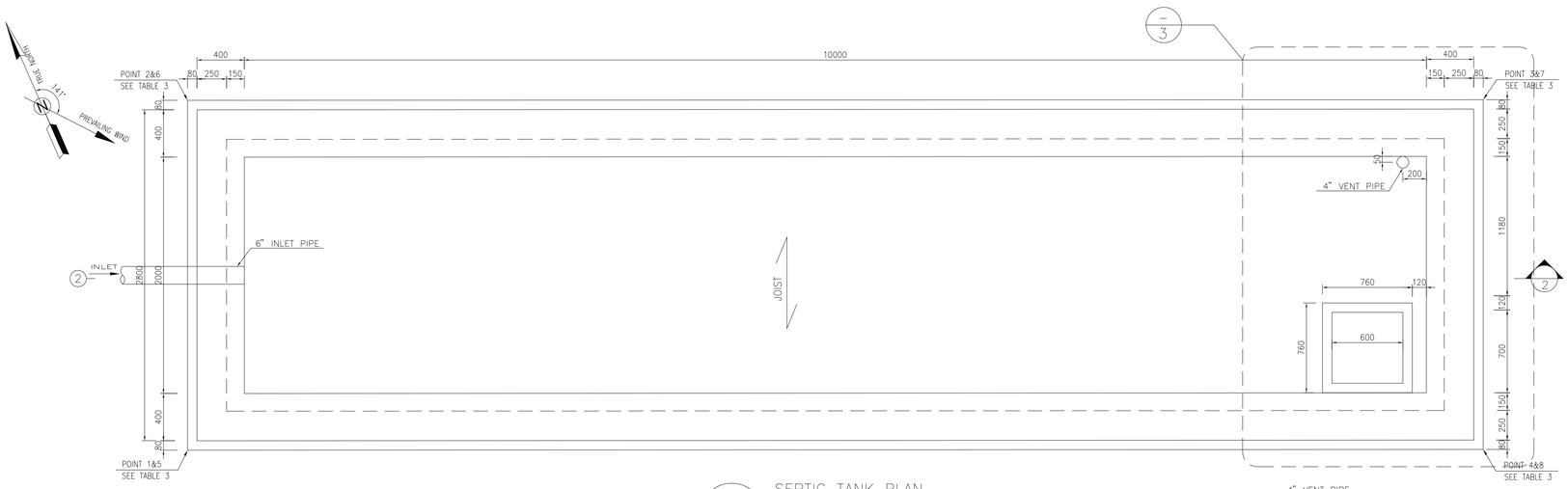
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

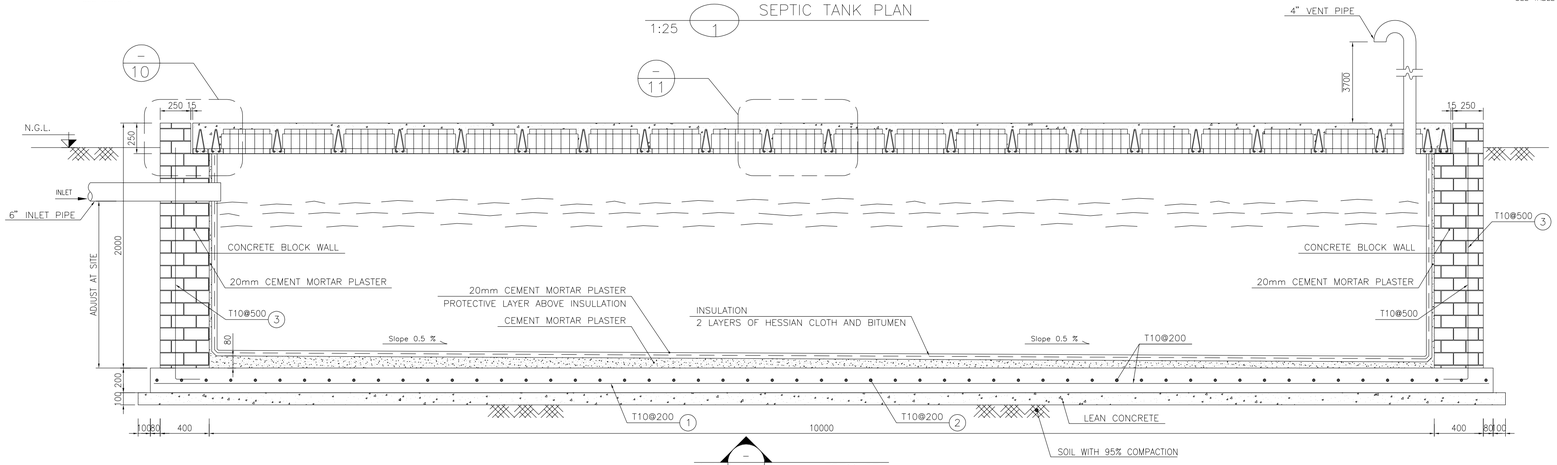
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GAS OIL PAD FORMWORK & REINFORCEMENT PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	04 OF 90	D00

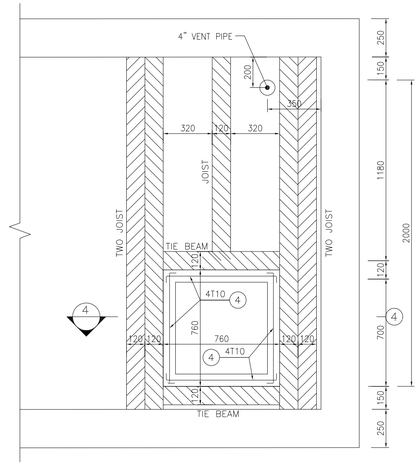
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053-073-9184	F	4	S	708209	4	D00



SEPTIC TANK PLAN
1:25 (1)



1:25 (2) FORMWORK REINFORCEMENT



1:20 (3)

TABLE 3 (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

NOTES

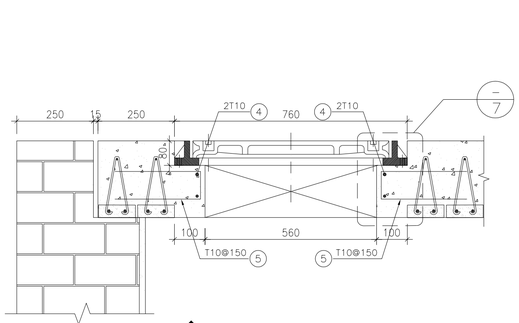
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MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

±0.00 = +186.00(R.G.L.)MSL

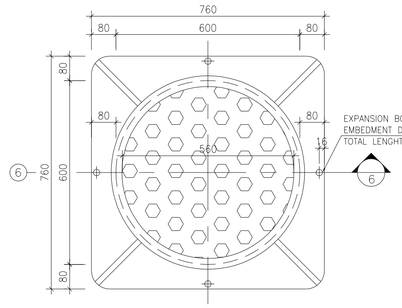
LEGEND AND ABBREVIATION

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

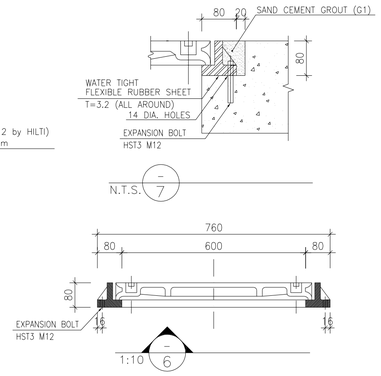
REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRAL-PEDCO-000-CV-SP-0003
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
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GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
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STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040



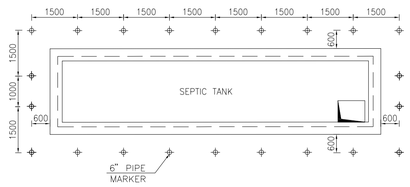
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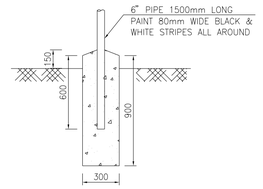
1:10 (5) DUCTILE IRON DETAIL
HEAVY DUTY DUCTILE IRON COATED FLAT COVERS AND FRAMES



1:10 (6)

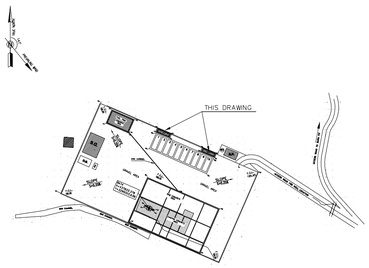


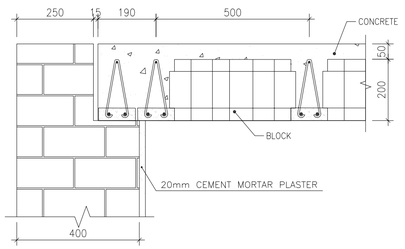
1:100 (8) ARRANGMENT OF MARKERS



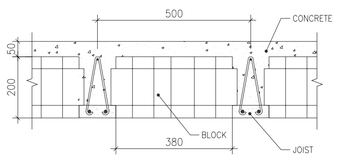
1:25 (9) DETAIL OF MARKERS

KEY PLAN

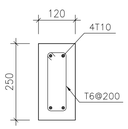




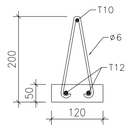
1:10 (10)



1:10 (11)



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



1:10 (13) JOIST DETAIL

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

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	05 OF 90	D00

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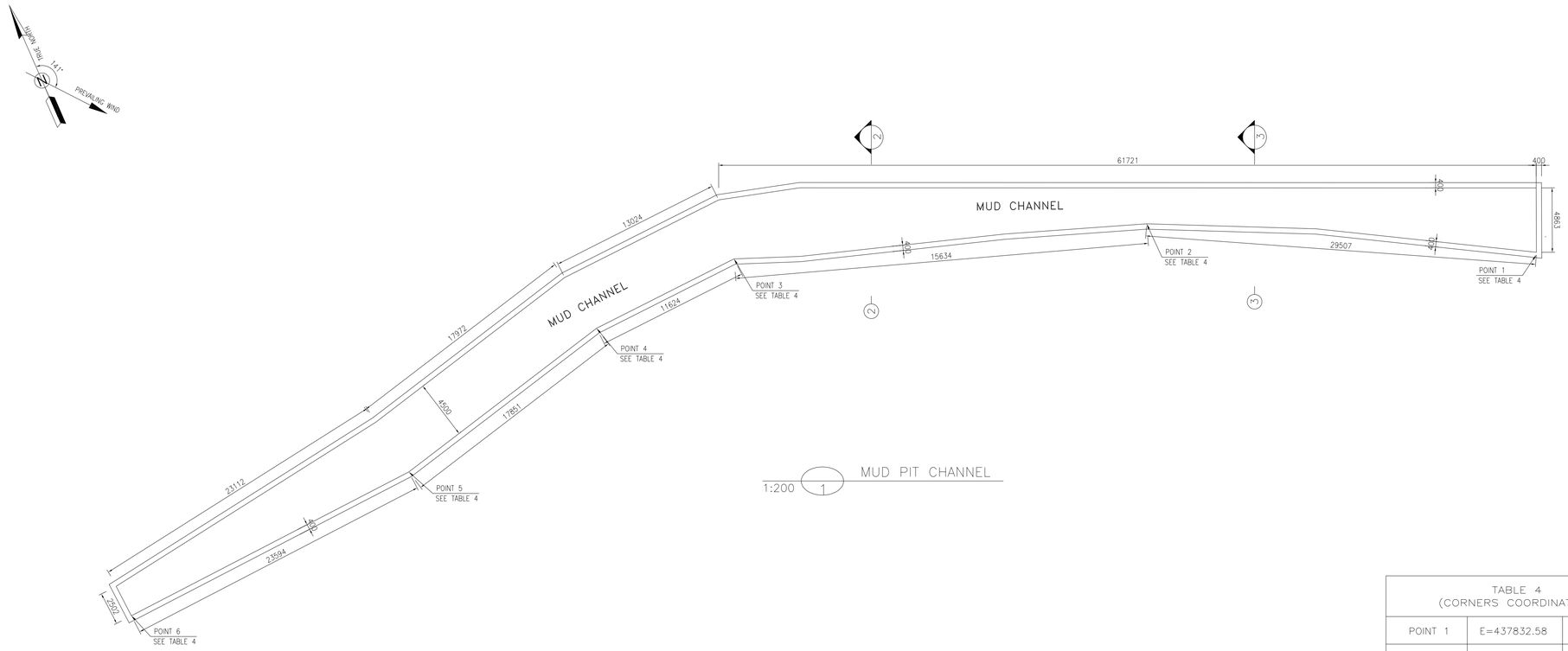
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

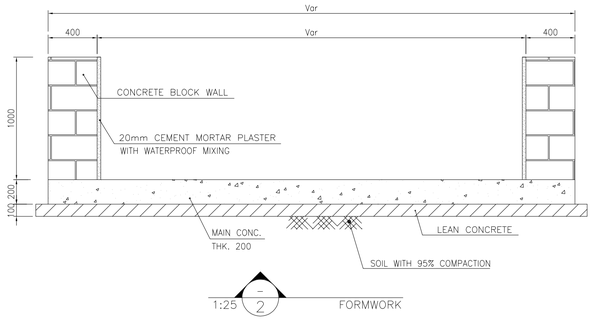
APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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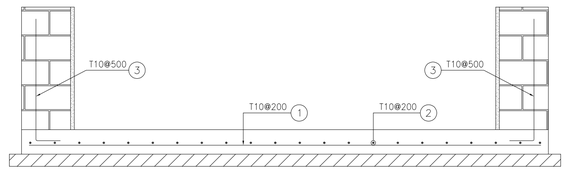


1:200 1 MUD PIT CHANNEL

TABLE 4 (CORNERS COORDINATES)		
POINT 1	E=437832.58	N=3294978.44
POINT 2	E=437806.46	N=3294992.18
POINT 3	E=437776.85	N=3295002.20
POINT 4	E=437765.24	N=3295001.55
POINT 5	E=437747.91	N=3294997.27
POINT 6	E=437724.37	N=3294995.69



1:25 2 FORMWORK



1:25 3 REINFORCEMENT

NOTES

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±0.00 = +186.00(R.G.L.)MSL

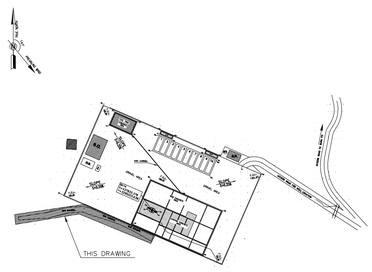
LEGEND AND ABBREVIATION

REINFORCED CONCRETE
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE

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

REFERENCE DRAWING	DRG. No.
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KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

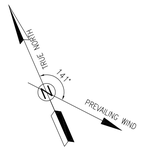
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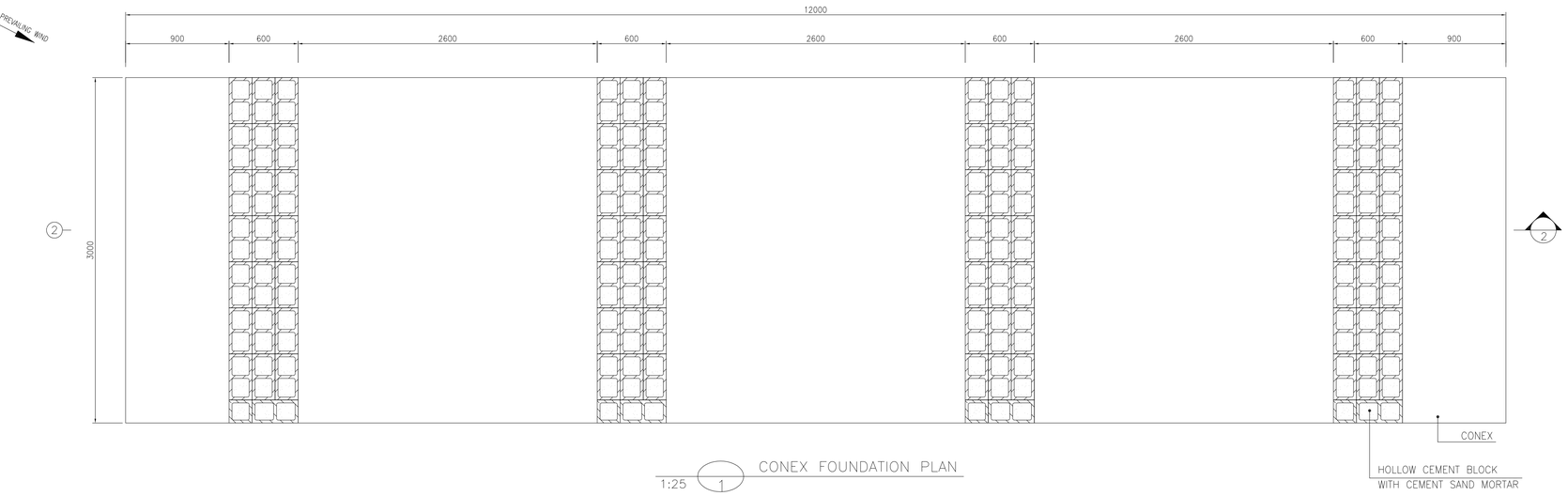
APPROVED FOR CONSTRUCTION | BY: | DATE:

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

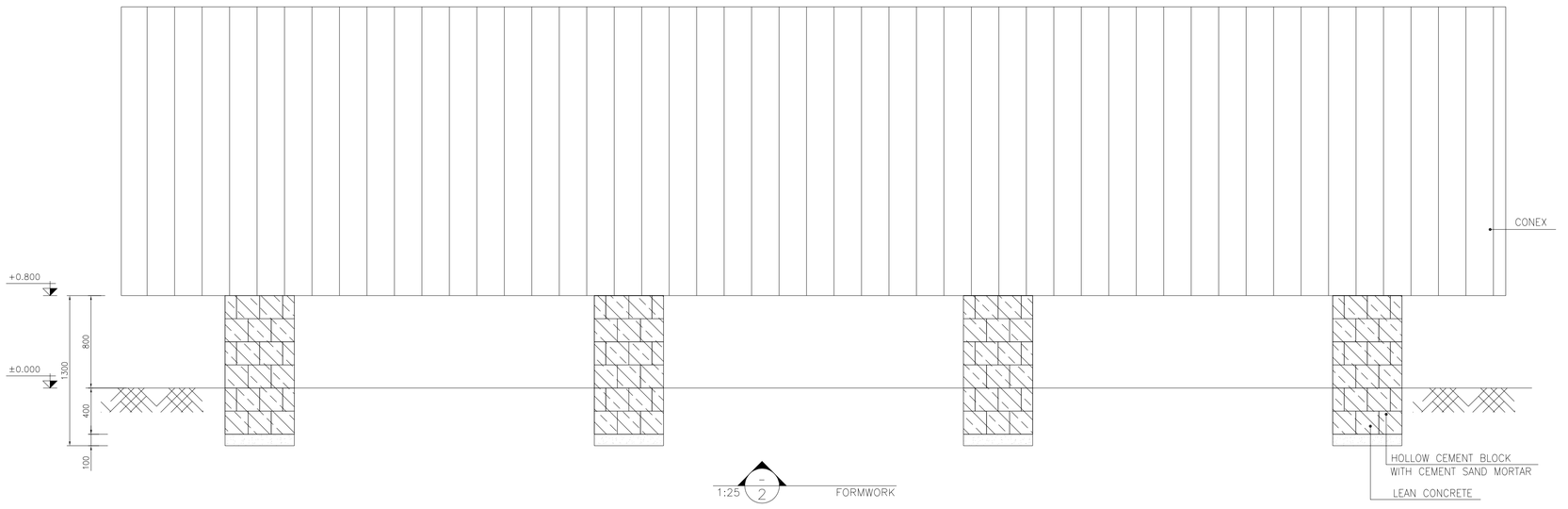
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	06 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	6	D00





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.

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

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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

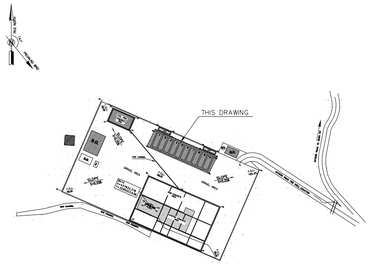
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

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

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRAL-PEDCO-000-CV-SP-0003
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

KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	** **	*** ****	** **	*** ****
D00	OCT.2022	IFC	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 CONEX FOUNDATION PLAN AND SECTION

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

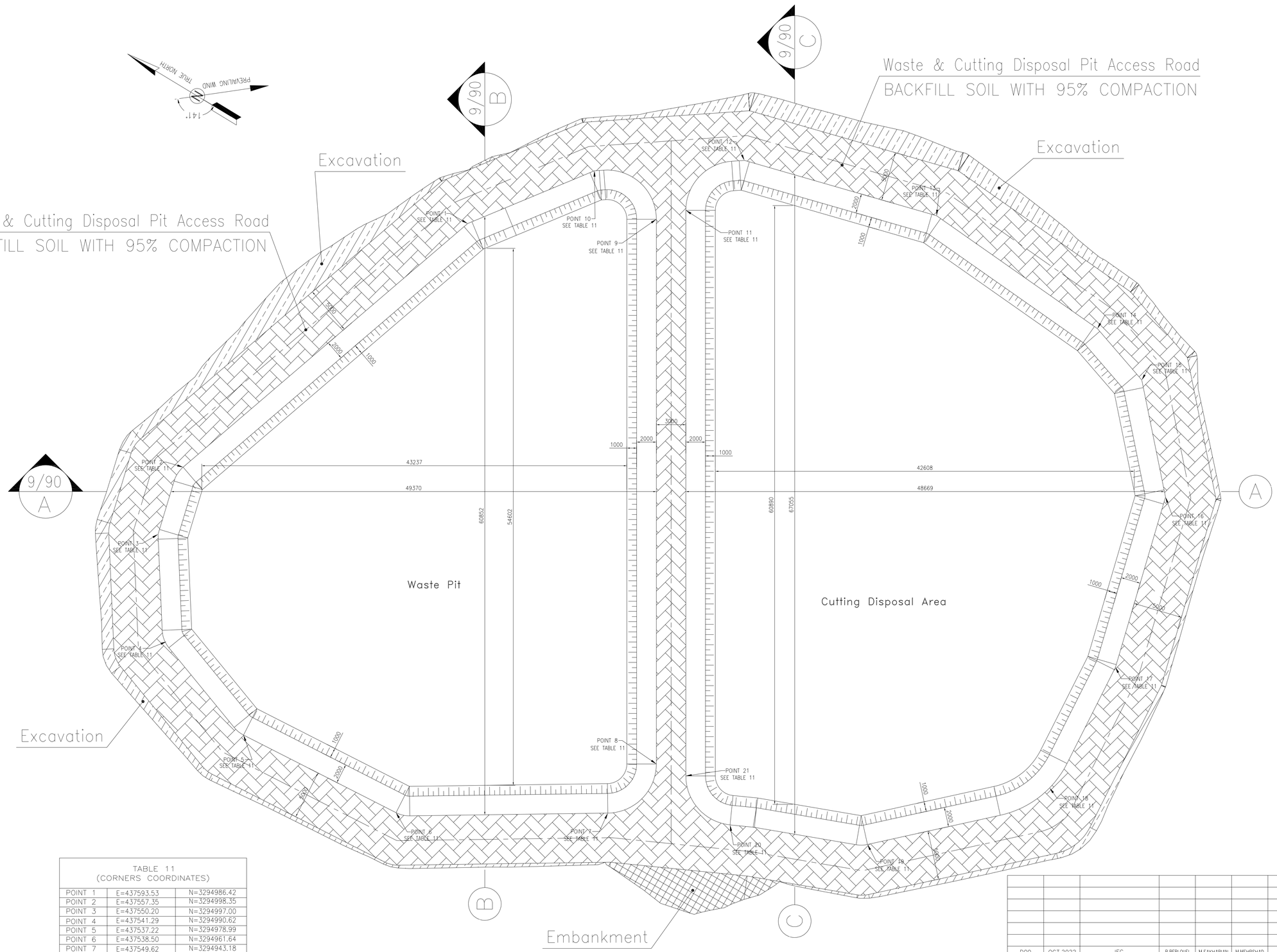
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	07 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	7	D00



WASTE PIT & CUTTING DISPOSAL AREA PLAN
1:200 1

TABLE 11
(CORNERS COORDINATES)

POINT 1	E=437593.53	N=3294986.42
POINT 2	E=437557.35	N=3294998.35
POINT 3	E=437550.20	N=3294997.00
POINT 4	E=437541.29	N=3294990.62
POINT 5	E=437537.22	N=3294978.99
POINT 6	E=437538.50	N=3294961.64
POINT 7	E=437549.62	N=3294943.18
POINT 8	E=437556.45	N=3294941.55
POINT 9	E=437603.84	N=3294970.23
POINT 10	E=437604.79	N=3294978.16
POINT 11	E=437606.17	N=3294968.13
POINT 12	E=437613.59	N=3294965.66
POINT 13	E=437618.90	N=3294946.03
POINT 14	E=437617.54	N=3294926.09
POINT 15	E=437615.41	N=3294919.52
POINT 16	E=437606.48	N=3294911.30
POINT 17	E=437589.03	N=3294906.69
POINT 18	E=437575.08	N=3294906.07
POINT 19	E=437560.56	N=3294918.94
POINT 20	E=437555.02	N=3294931.92
POINT 21	E=437556.95	N=3294938.35

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

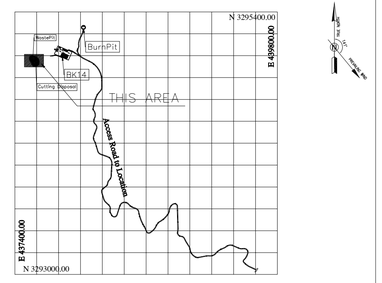
LEGEND AND ABBREVIATION

REINFORCED CONCRETE
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE
Excavation
Embankment

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
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

KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
***	**********	**	***.****	**	***.****
		CHECKED		REV. APPR.	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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PROJECT NO.: 971020

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

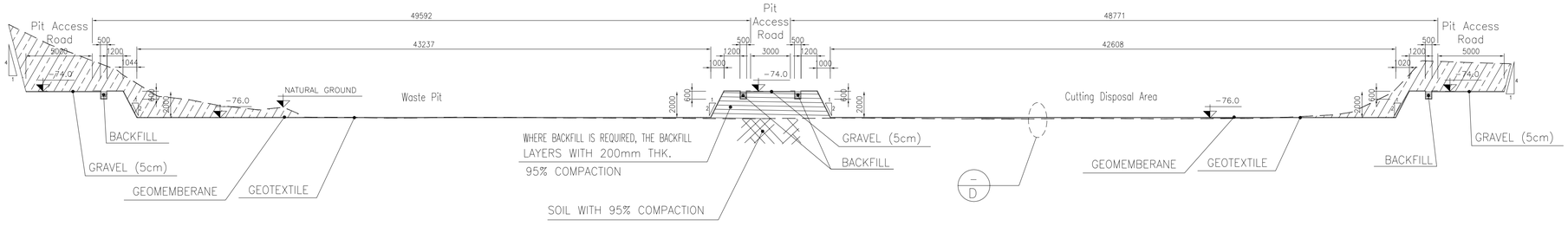
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
WASTE PIT & CUTTING DISPOSAL AREA PLAN

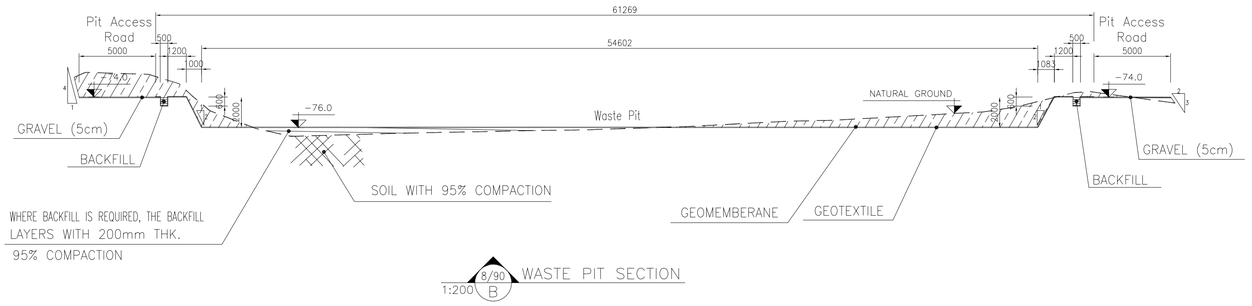
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APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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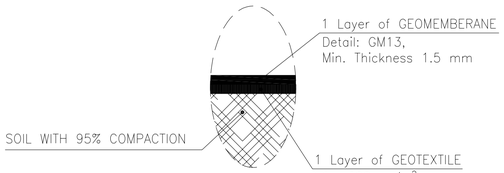
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053-073-9184	F	4	S	708209	8	D00

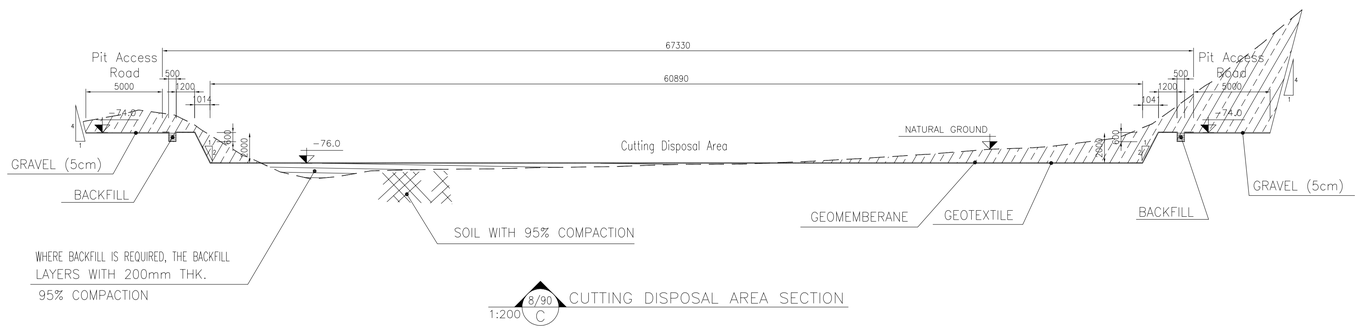


8/90 A 1:200 WASTE PIT & CUTTING DISPOSAL AREA SECTION



8/90 B 1:200 WASTE PIT SECTION





8/90 C 1:200 CUTTING DISPOSAL AREA SECTION

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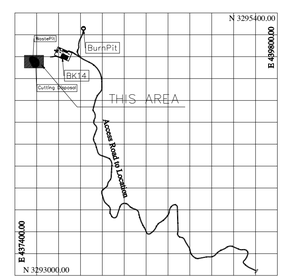
LEGEND AND ABBREVIATION

REINFORCED CONCRETE
LEAN CONCRETE
CEMENT BLOCK WALL
GRAVEL
SUB GRADE
SLOPE
Excavation
Backfill

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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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

KEY PLAN



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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
WASTE PIT & CUTTING DISPOSAL AREA SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	9 OF 90	D00

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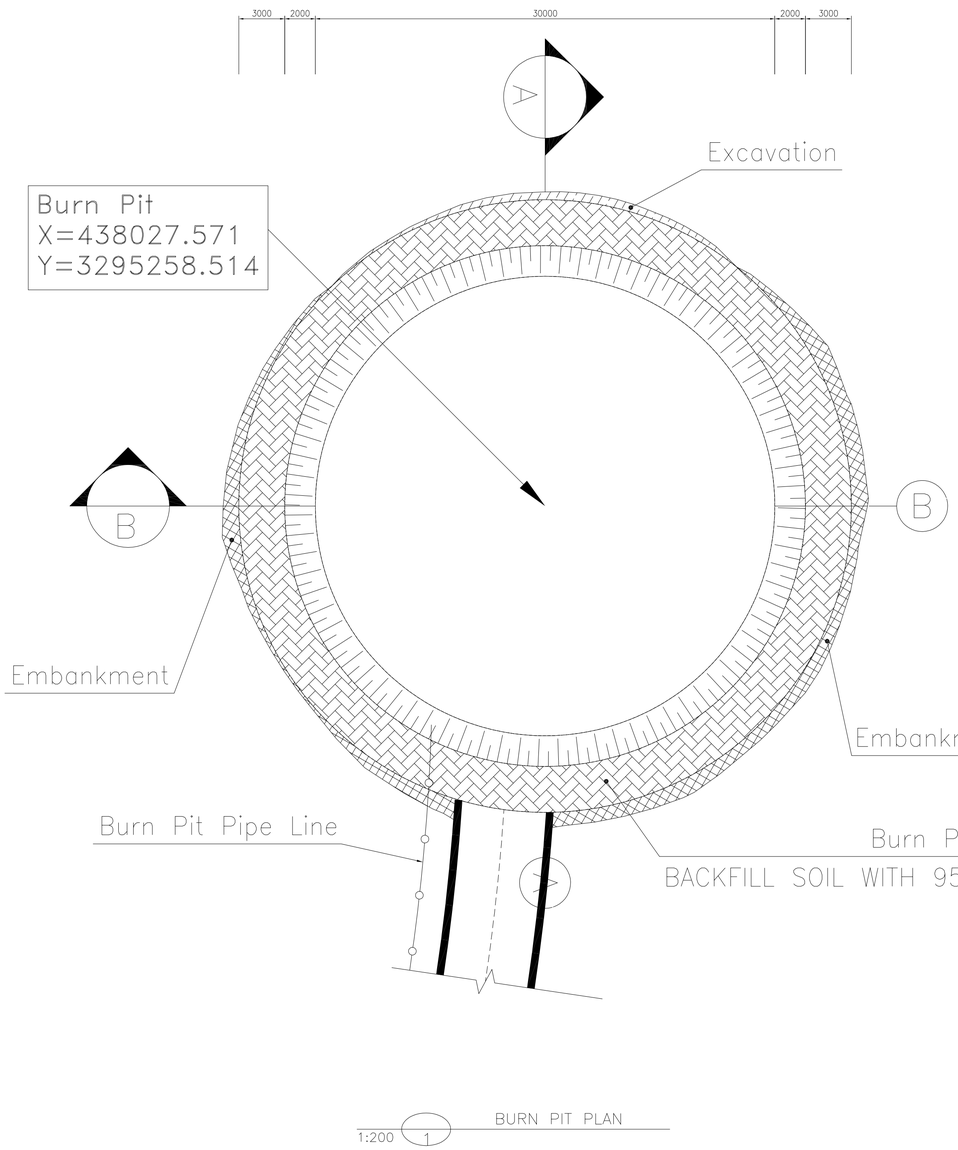
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

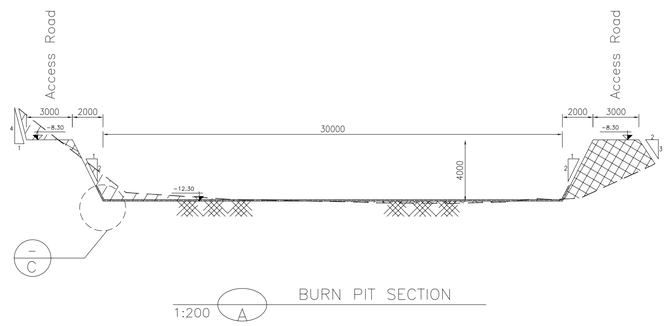
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APPROVED FOR CONSTRUCTION | BY: | DATE:

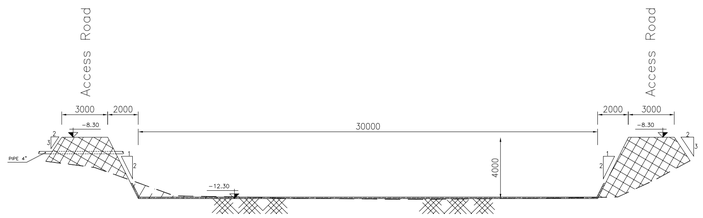
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	9	D00



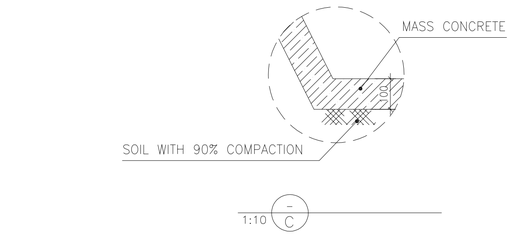
BURN PIT PLAN
1:200 1



BURN PIT SECTION
1:200 A



BURN PIT SECTION
1:200 B



1:10 C

NOTES

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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:

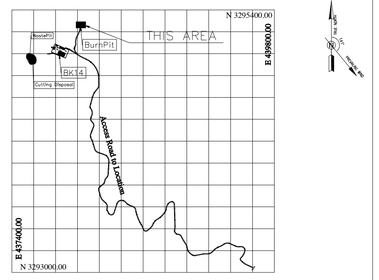
HORIZONTAL COORDINATE SYSTEM:	WGS84/UTM ZONE 39
ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

LEGEND AND ABBREVIATION

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

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRAL-PEDCO-000-CV-SP-0003
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

KEY PLAN



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

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

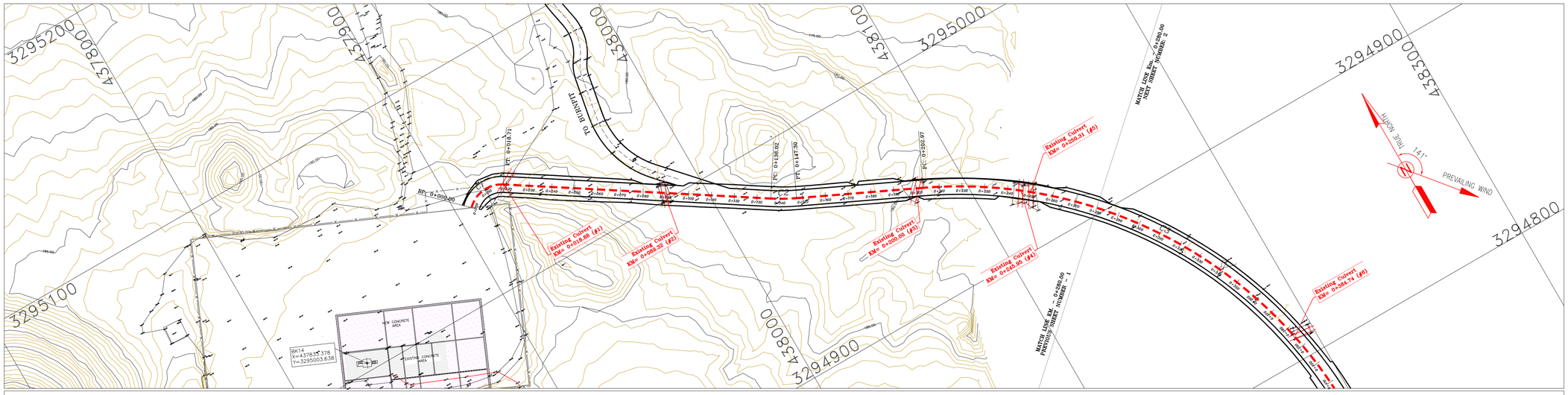
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

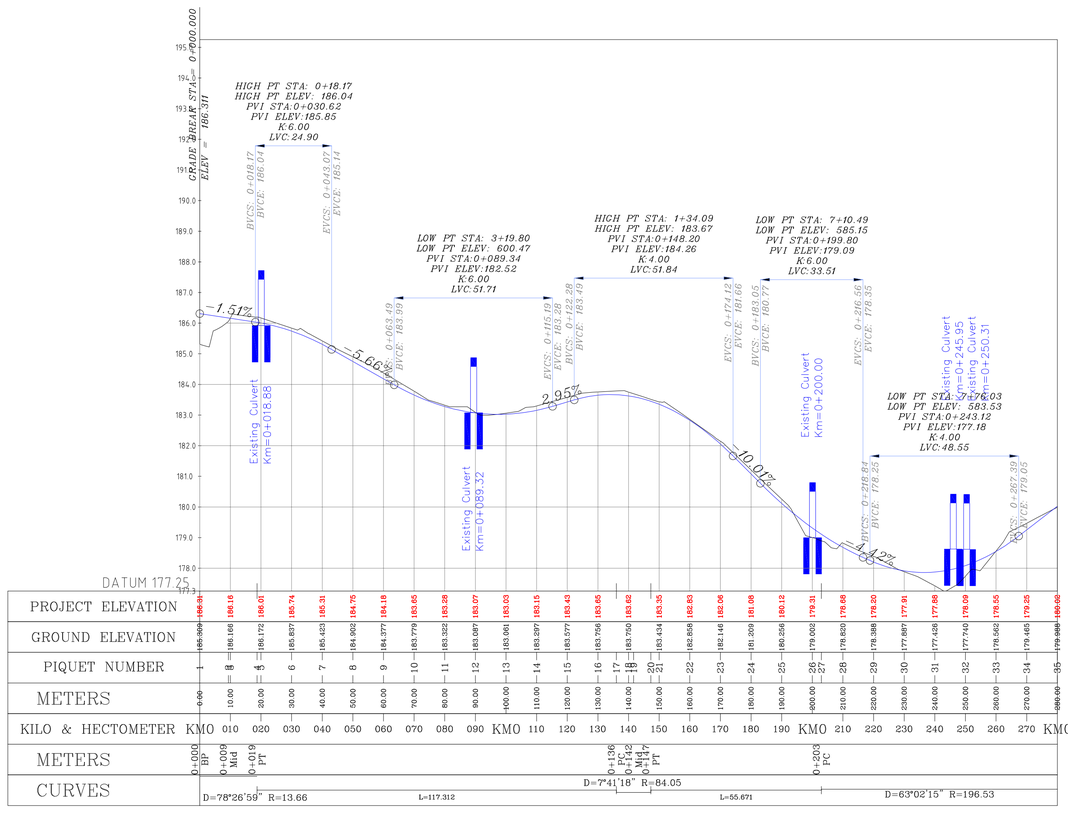
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14
BURN PIT PLAN-SECTIONS

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	10 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	10	D00





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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

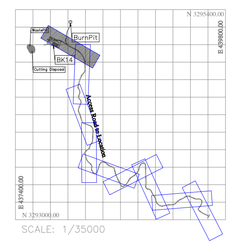
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

ABBREVIATION

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

KEY PLAN



Curve Table: Alignments

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

Station	Northing	Easting
0+000.00	3295039.68	437907.01
0+010.00	3295043.73	437915.91
0+020.00	3295040.84	437925.27
0+030.00	3295035.39	437933.65
0+040.00	3295029.94	437942.04
0+050.00	3295024.50	437950.42
0+060.00	3295019.05	437958.81
0+070.00	3295013.60	437967.19
0+080.00	3295008.15	437975.58
0+090.00	3295002.70	437983.96
0+100.00	3294997.25	437992.35
0+110.00	3294991.80	438000.73
0+120.00	3294986.35	438009.12
0+130.00	3294980.90	438017.50
0+140.00	3294975.53	438025.94
0+150.00	3294970.97	438034.83
0+160.00	3294966.69	438043.87
0+170.00	3294962.41	438052.91

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

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

Coordinate of Bench Marks (UTM–ZONE 39N)

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

REV.	DESCRIPTION	BY	DATE	BY	DATE
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	11 OF 90	D00

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

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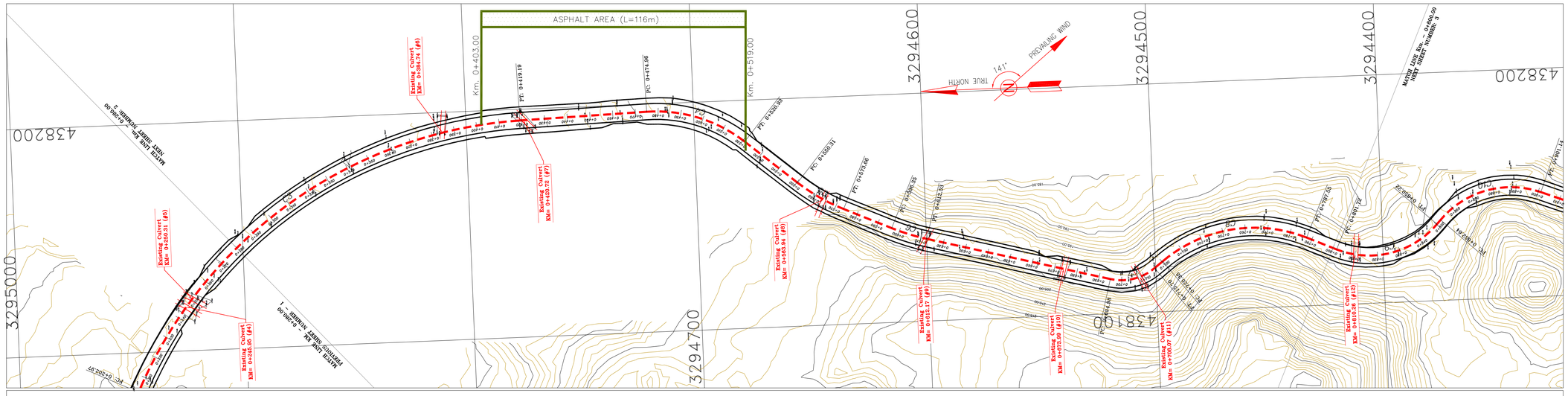
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

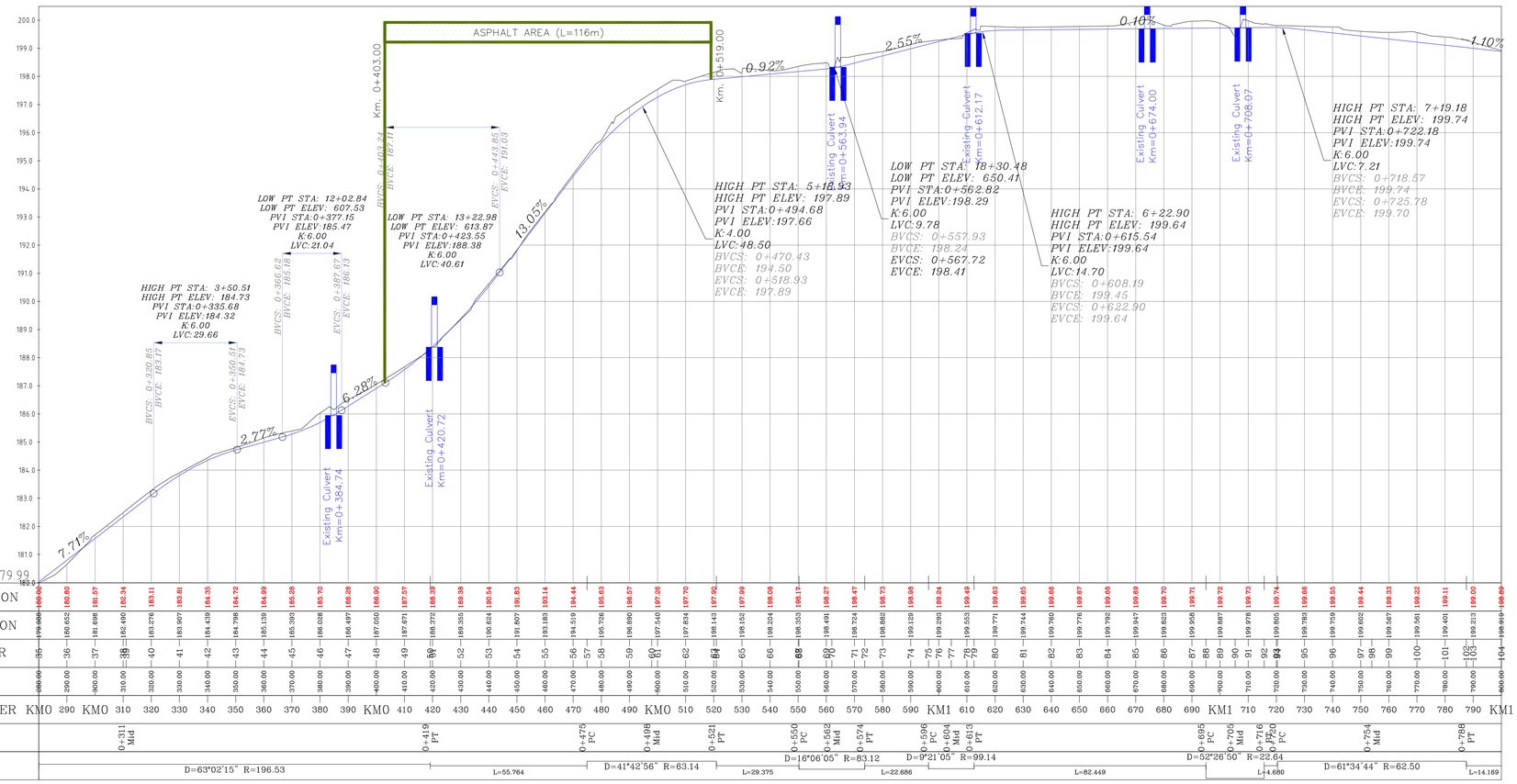
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	11	D00





NOTES

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

4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
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- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAL-PEDCO-000-CV-SP-0004".
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LEGEND

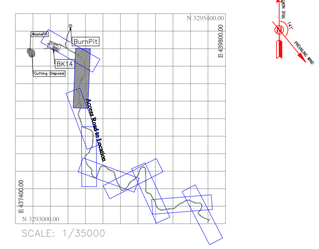
WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	

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

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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
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.	DESCRIPTION	BY	DATE	BY	DATE
***	**********	**	** ****	**	** ****
		CHECKED		REV. APPR.	
D00	OCT.2022	IFC	R.BERLOUEI	M.F.AKHARIAN	M.MEHRSHAD
REV.	DATE	P.O.I.S	PREP.	CHK.	APP. AUT.

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

PROJECT NO.: 971020

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DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	12 OF 90	D00

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

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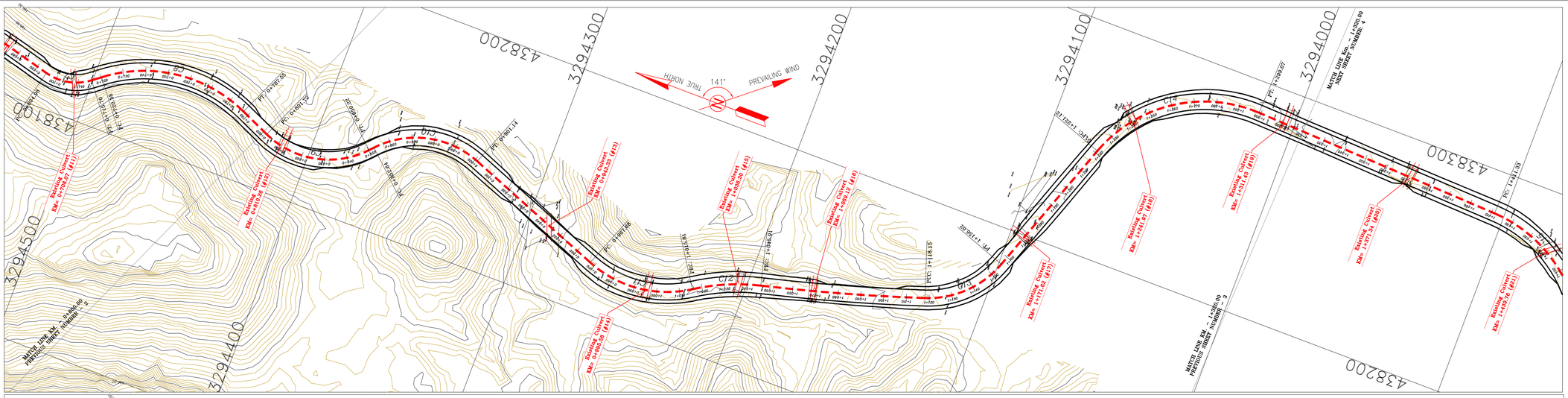
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

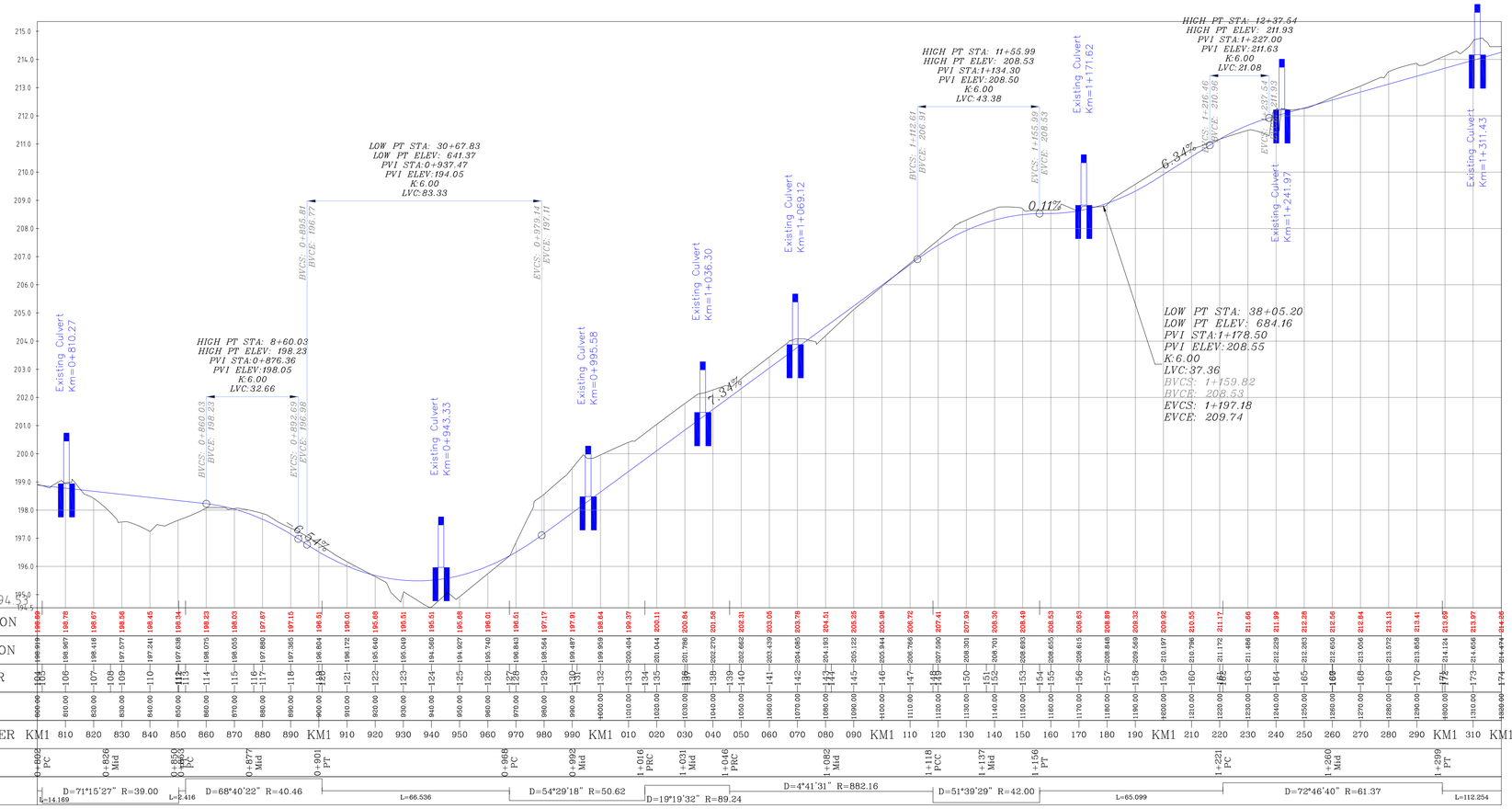
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	12	D00





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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5–BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

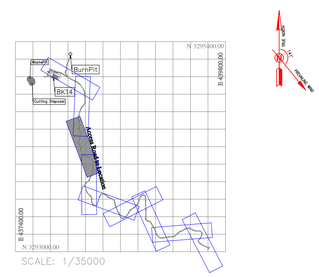
WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	

REFERENCE DRAWING	DRG. No.
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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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

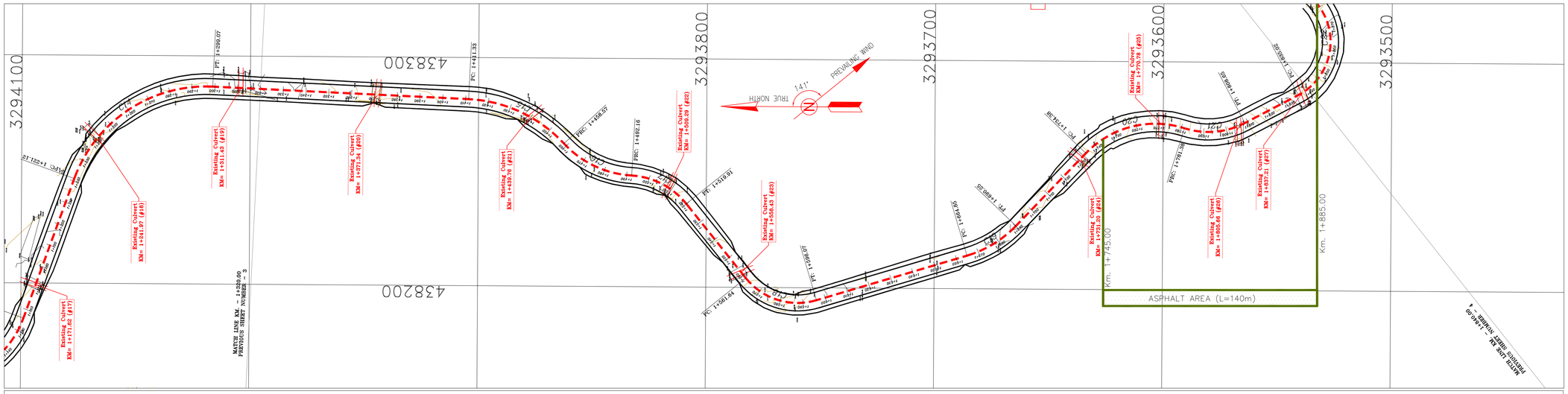
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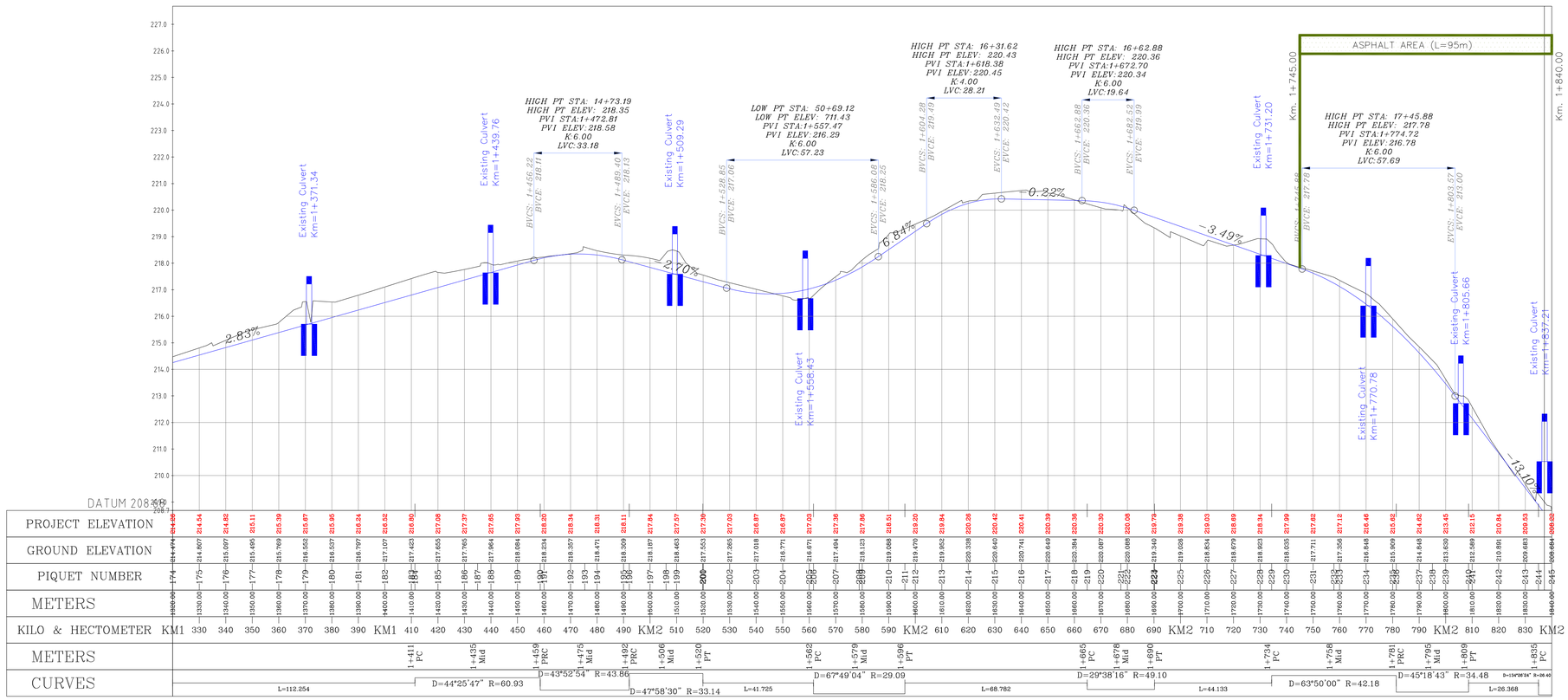
APPROVED FOR CONSTRUCTION | BY: | DATE:

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	13 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	13	D00





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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

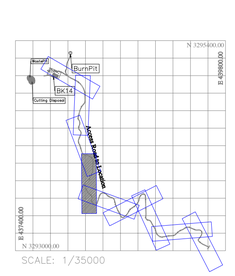
WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	

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

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.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

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

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EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

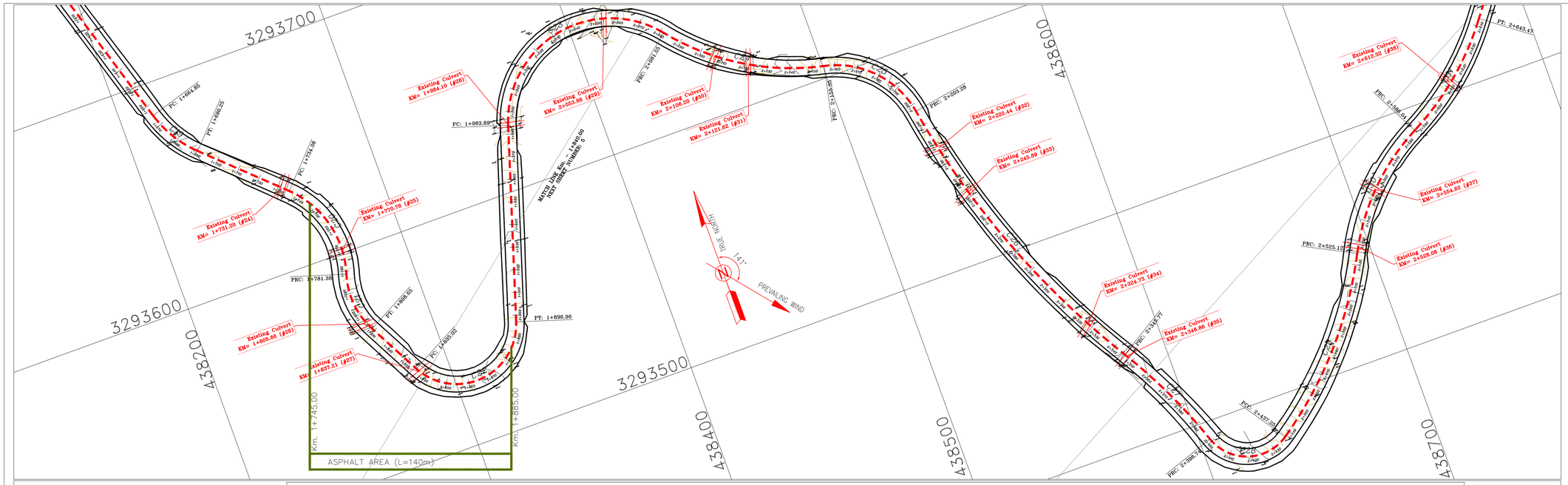
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

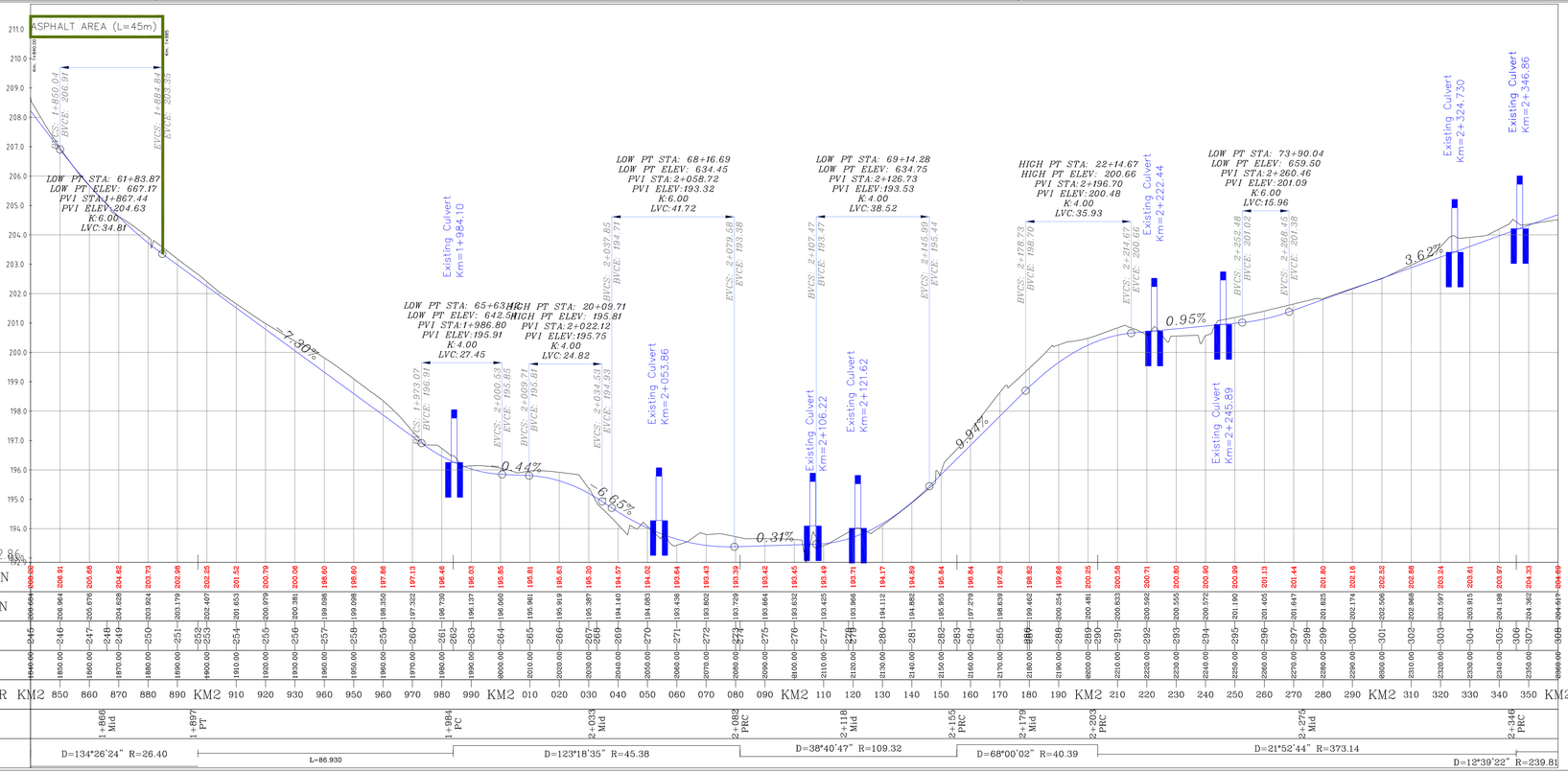
APPROVED FOR CONSTRUCTION BY: DATE:

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	14 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	14	D00





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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

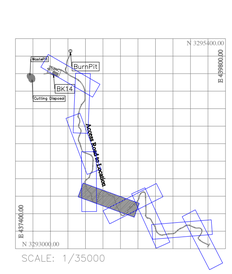
WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	

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

ABBREVIATION

PT= POINT
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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	3293536.79	438288.48
1+850.00	3293530.35	438296.06
1+860.00	3293527.17	438305.48
1+870.00	3293527.70	438315.40
1+880.00	3293531.86	438324.43
1+890.00	3293539.06	438331.28
1+900.00	3293548.24	438335.15
1+910.00	3293557.78	438338.17
1+920.00	3293567.31	438341.19
1+930.00	3293576.84	438344.21
1+940.00	3293586.37	438347.23
1+950.00	3293595.91	438350.26
1+960.00	3293605.44	438353.28
1+970.00	3293614.97	438356.30
1+980.00	3293624.50	438359.32
1+990.00	3293633.89	438362.73
2+000.00	3293642.39	438367.96
2+010.00	3293649.54	438374.93
2+020.00	3293654.99	438383.28
2+030.00	3293658.49	438392.63
2+040.00	3293659.86	438402.52
2+050.00	3293659.03	438412.46
2+060.00	3293656.05	438421.99
2+070.00	3293651.06	438430.63
2+080.00	3293644.30	438437.97
2+090.00	3293636.77	438444.55
2+100.00	3293629.84	438451.76
2+110.00	3293623.61	438459.57
2+120.00	3293618.11	438467.92
2+130.00	3293613.40	438476.73
2+140.00	3293609.51	438485.94
2+150.00	3293606.48	438495.47
2+160.00	3293603.97	438505.14
2+170.00	3293599.61	438514.12
2+180.00	3293593.19	438521.75
2+190.00	3293585.09	438527.57
2+200.00	3293575.81	438531.23
2+210.00	3293566.00	438533.12
2+220.00	3293556.20	438535.12
2+230.00	3293546.46	438537.39
2+240.00	3293536.79	438539.92
2+250.00	3293527.18	438542.71
2+260.00	3293517.66	438545.75
2+270.00	3293508.22	438549.05
2+280.00	3293498.87	438552.60
2+290.00	3293489.62	438556.40
2+300.00	3293480.47	438560.44
2+310.00	3293471.44	438564.73
2+320.00	3293462.52	438569.26
2+330.00	3293453.73	438574.03
2+340.00	3293445.07	438579.03
2+350.00	3293436.52	438584.21
2+360.00	3293427.81	438589.12

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

Coordinate of Bench Marks (UTM–ZONE 39N)

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

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	15 OF 90	D00

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

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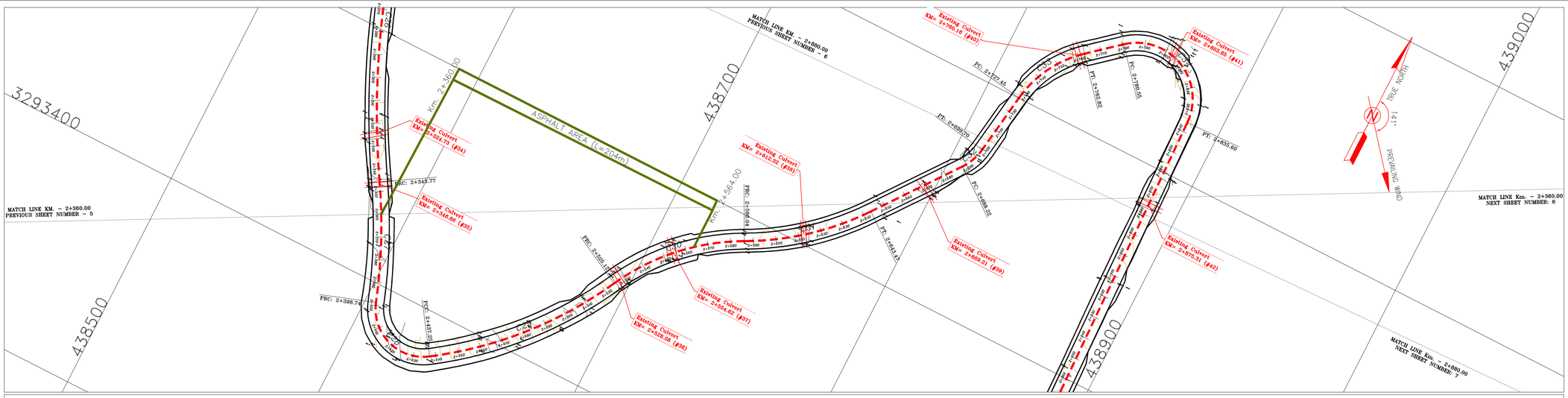
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

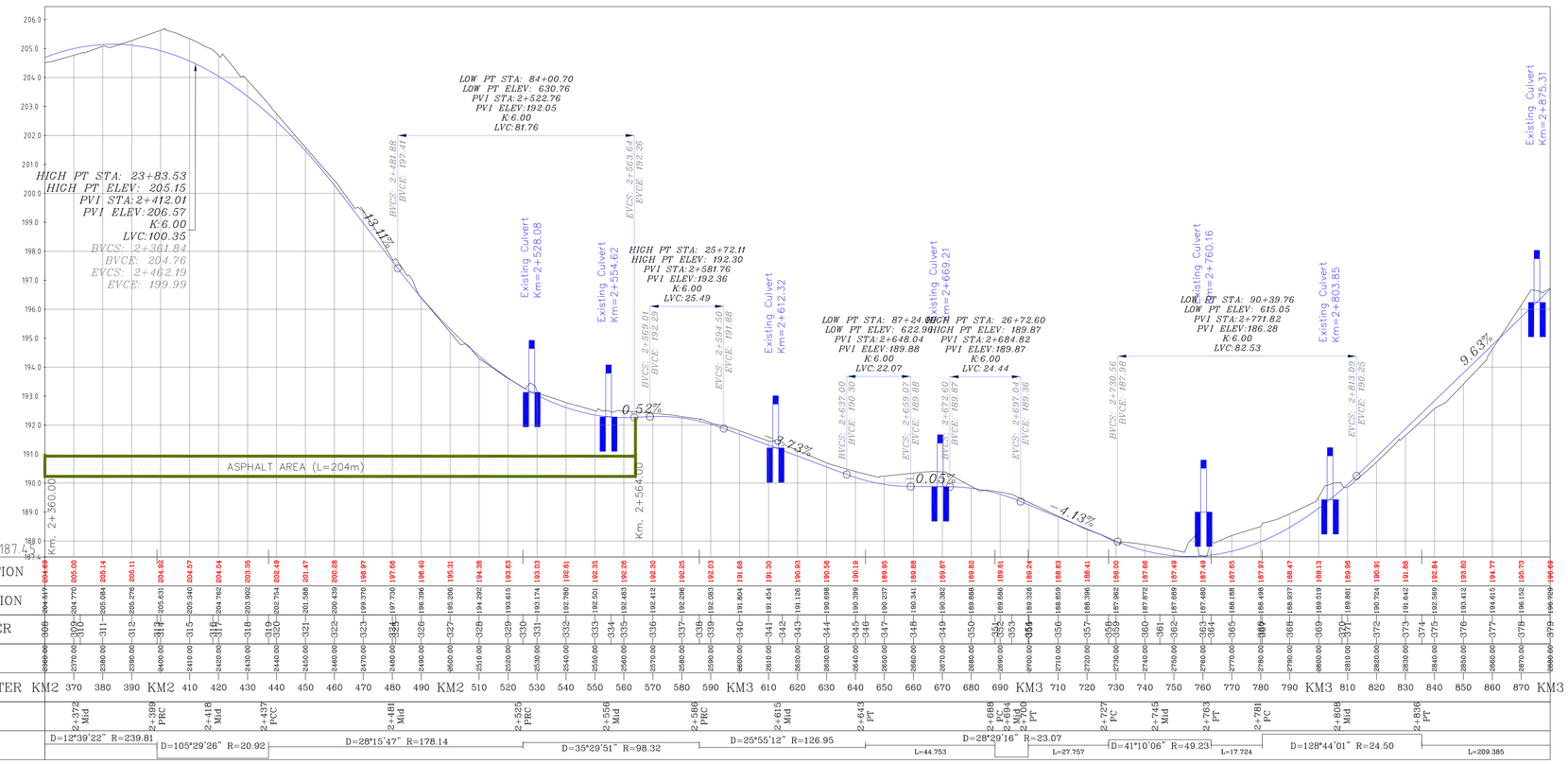
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

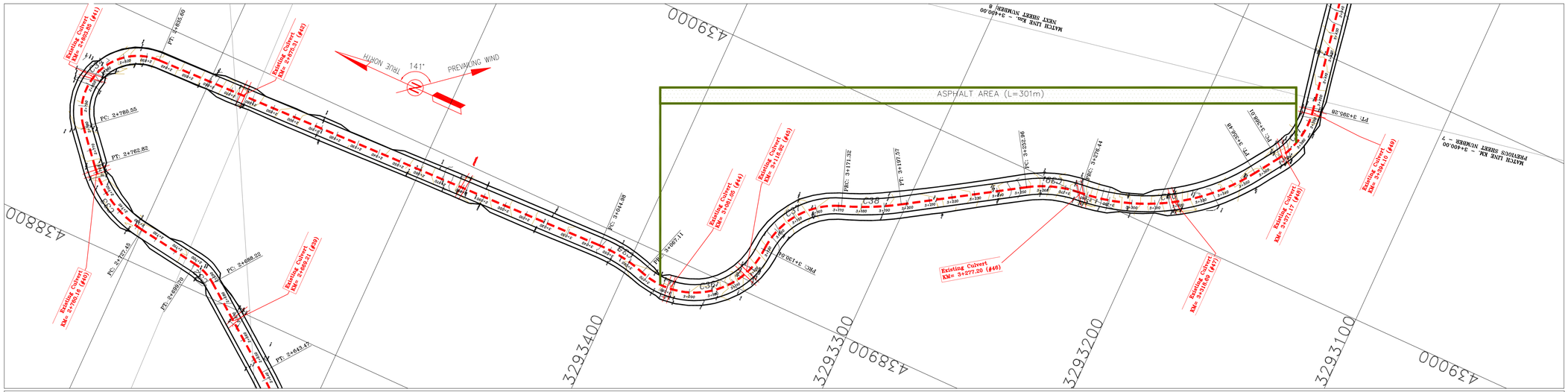
APPROVED FOR CONSTRUCTION | BY: | DATE:

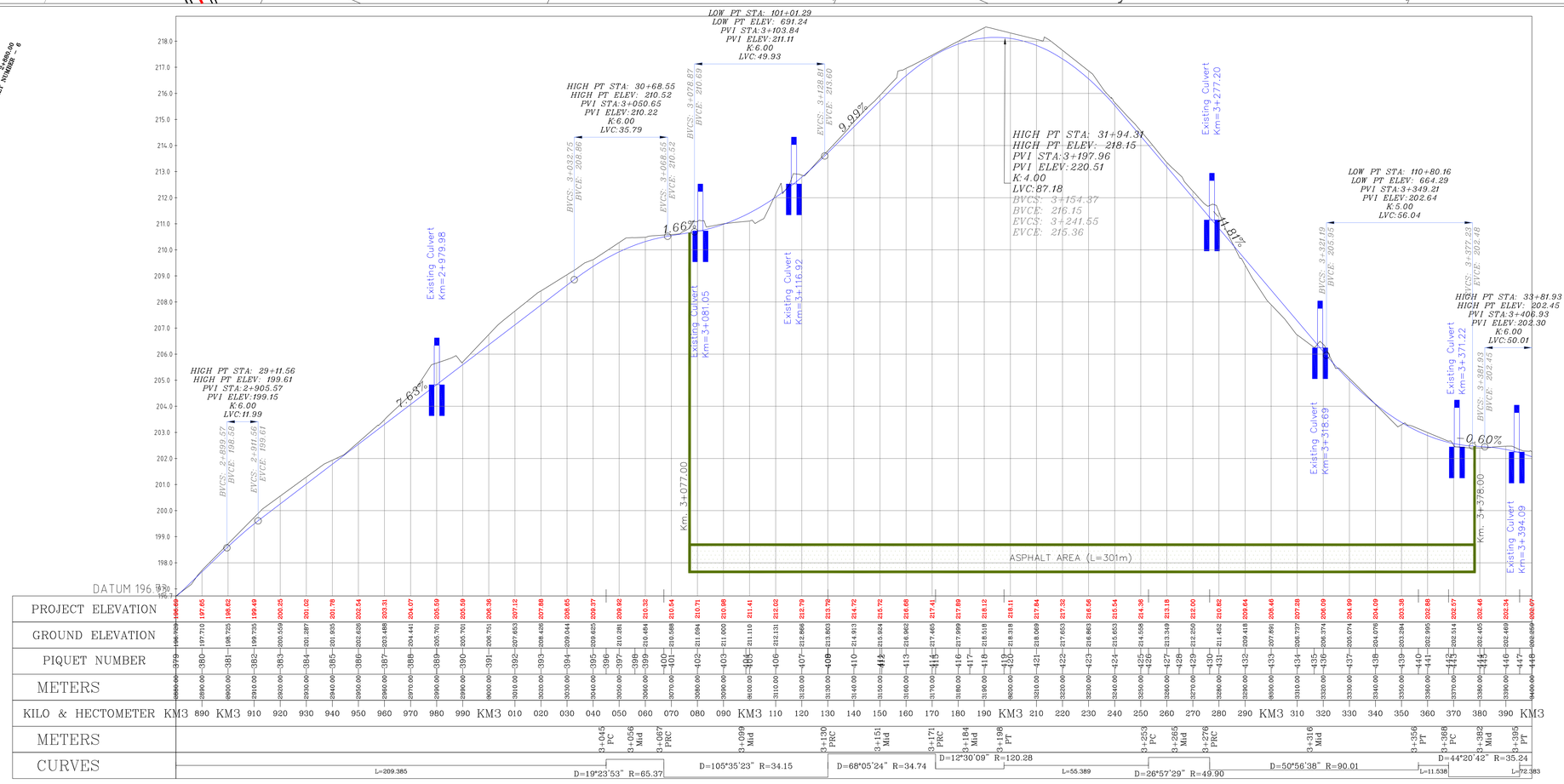
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	15	D00


3293400
438500
438700
438900
439000
MATCH LINE KM. = 2+360.00
PREVIOUS SHEET NUMBER = 5
MATCH LINE KM. = 2+880.00
PREVIOUS SHEET NUMBER = 6
MATCH LINE Km. = 2+360.00
NEXT SHEET NUMBER: 6
MATCH LINE Km. = 2+880.00
NEXT SHEET NUMBER: 7
Km. 2+360.00
Km. 2+564.00
ASPHALT AREA (L=204m)
Existing Culvert Km= 2+324.73 (#34)
Existing Culvert Km= 2+346.88 (#35)
Existing Culvert Km= 2+528.00 (#36)
Existing Culvert Km= 2+557.62 (#37)
Existing Culvert Km= 2+569.21 (#38)
Existing Culvert Km= 2+612.32 (#39)
Existing Culvert Km= 2+760.16 (#40)
Existing Culvert Km= 2+829.85 (#41)
Existing Culvert Km= 2+875.31 (#42)
PRC: 2+348.77
PRC: 2+398.74
PRC: 2+505.10
PRC: 2+556.04
PCC: 2+437.25
PT: 2+427.45
PT: 2+498.70
PT: 2+643.23
PT: 2+688.22
PT: 2+695.60
PT: 2+765.85
PT: 2+786.55
PT: 2+835.60
TRUE NORTH
141°
PREVAILING WIND


HIGH PT STA: 23+83.53
HIGH PT ELEV: 205.15
PVI STA:2+412.01
PVI ELEV:206.57
K:6.00
LVC:100.35
BVCS: 2+361.84
BVCE: 204.76
EVCS: 2+462.19
EVCE: 199.99
13.11%
LOW PT STA: 84+00.70
LOW PT ELEV: 630.76
PVI STA:2+522.76
PVI ELEV:192.05
K:6.00
LVC:81.76
BVCS: 2+481.88
BVCE: 197.41
EVCS: 2+563.64
EVCE: 192.36
0.52%
HIGH PT STA: 25+72.11
HIGH PT ELEV: 192.30
PVI STA:2+581.76
PVI ELEV:192.36
K:6.00
LVC:25.49
BVCS: 2+569.01
BVCE: 192.25
EVCS: 2+594.60
EVCE: 191.88
4.73%
LOW PT STA: 87+24.00
LOW PT ELEV: 622.99
PVI STA:2+648.04
PVI ELEV:189.88
K:6.00
LVC:22.07
BVCS: 2+637.00
BVCE: 190.30
EVCS: 2+659.07
EVCE: 189.88
HIGH PT STA: 26+72.60
HIGH PT ELEV: 189.87
PVI STA:2+684.82
PVI ELEV:189.87
K:6.00
LVC:24.44
BVCS: 2+672.60
BVCE: 189.87
EVCS: 2+697.04
EVCE: 189.36
0.03%
-4.13%
LOW PT STA: 90+39.76
LOW PT ELEV: 615.05
PVI STA:2+771.82
PVI ELEV:186.28
K:6.00
LVC:82.53
BVCS: 2+730.56
BVCE: 187.95
9.63%
BVCS: 2+813.09
BVCE: 190.25
Existing Culvert Km=2+528.08
Existing Culvert Km=2+554.62
Existing Culvert Km=2+612.32
Existing Culvert Km=2+669.21
Existing Culvert Km=2+760.16
Existing Culvert Km=2+803.85
Existing Culvert Km=2+875.31
ASPHALT AREA (L=204m)
Km. 2+360.00
Km. 2+564.00
DATUM 187.45
206.0
205.0
204.0
203.0
202.0
201.0
200.0
199.0
198.0
197.0
196.0
195.0
194.0
193.0
192.0
191.0
190.0
189.0
188.0
187.0

| | | |





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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

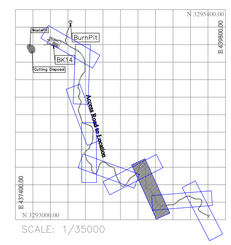
WELL LOCATION, WELL, SITE, CAMP SITE, ASPHALT ROAD, GRAVEL ROAD, PROPOSED ROAD, DAYLIGHT, CANAL, RIVER, WATER COURSE, CONTOURS, SPOT HEIGHT, BENCH MARK, BRIDGE, CULVERT

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

ABBREVIATION

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

KEY PLAN



Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C32	23.07	11.47	N22° 34' 43.64"E	(438806.44,3293562.19)	(438810.80,3293572.67)
C33	49.23	35.37	N28° 55' 08.79"E	(438814.82,3293600.14)	(438831.56,3293630.44)
C34	24.50	55.05	S66° 07' 47.91"E	(438845.04,3293641.95)	(438885.44,3293624.07)
C35	65.37	22.13	S7° 56' 08.79"W	(438891.88,3293414.78)	(438888.84,3293392.97)
C36	34.15	62.93	S35° 09' 36.23"E	(438888.84,3293392.97)	(438920.17,3293348.50)
C37	34.74	41.28	S53° 54' 35.73"E	(438920.17,3293348.50)	(438951.60,3293325.59)
C38	120.28	26.25	S26° 06' 58.48"E	(438951.60,3293325.59)	(438963.13,3293302.07)
C39	49.90	23.48	S18° 53' 18.63"E	(438992.78,3293255.28)	(439000.31,3293233.27)
C40	90.01	80.04	S30° 52' 53.39"E	(439000.31,3293233.27)	(439040.05,3293166.82)
C41	35.24	27.27	S78° 31' 33.58"E	(439049.66,3293160.43)	(439075.72,3293155.14)

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

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

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

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

Coordinate of Bench Marks (UTM–ZONE 39N)

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

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK–BK14–PEDCO–110–CV–DW–0001	17 OF 90	D00

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

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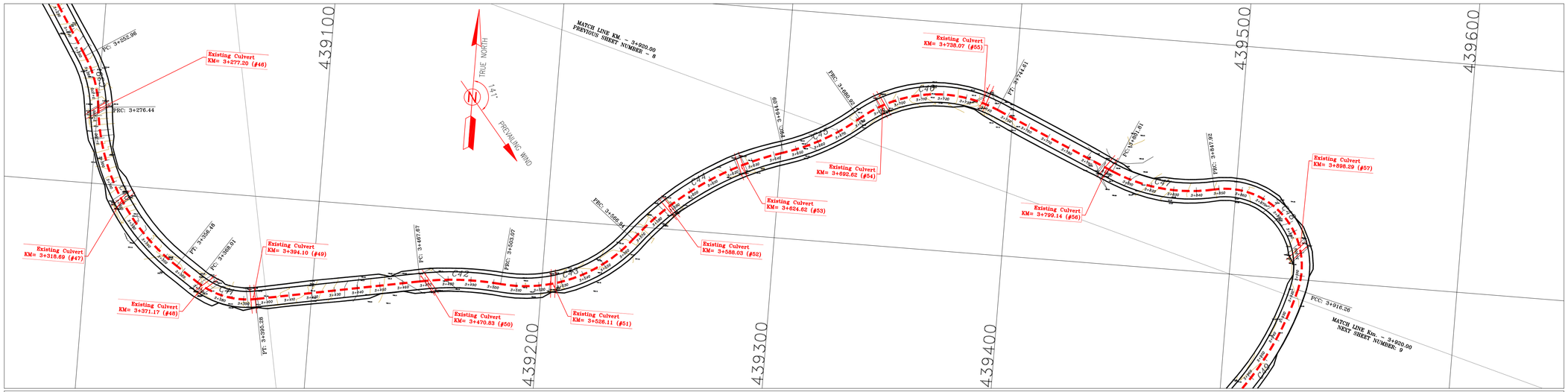
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

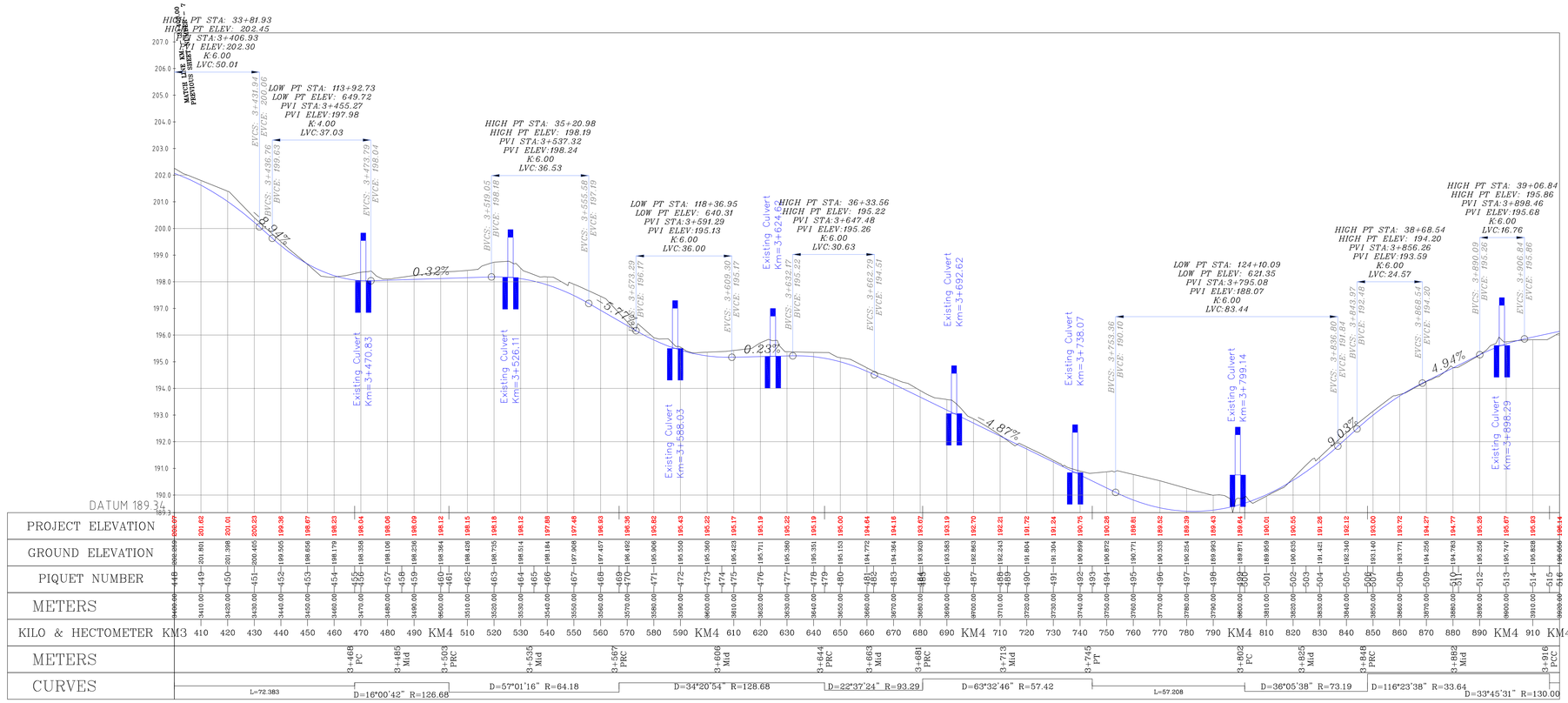
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION		BY:		DATE:	

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	17	D00





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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

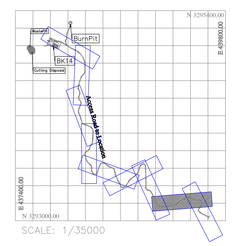
WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	18 OF 90	D00

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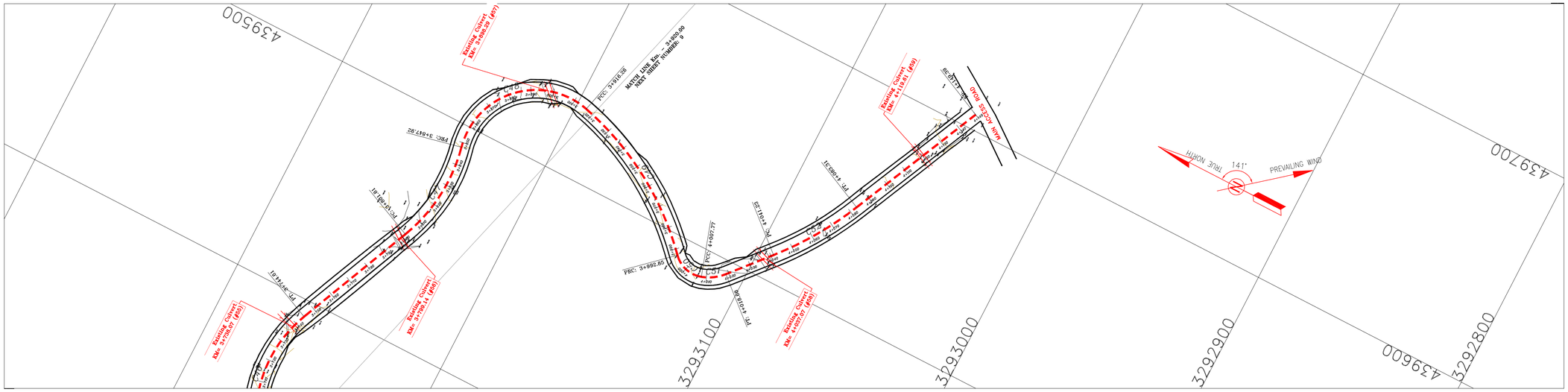
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

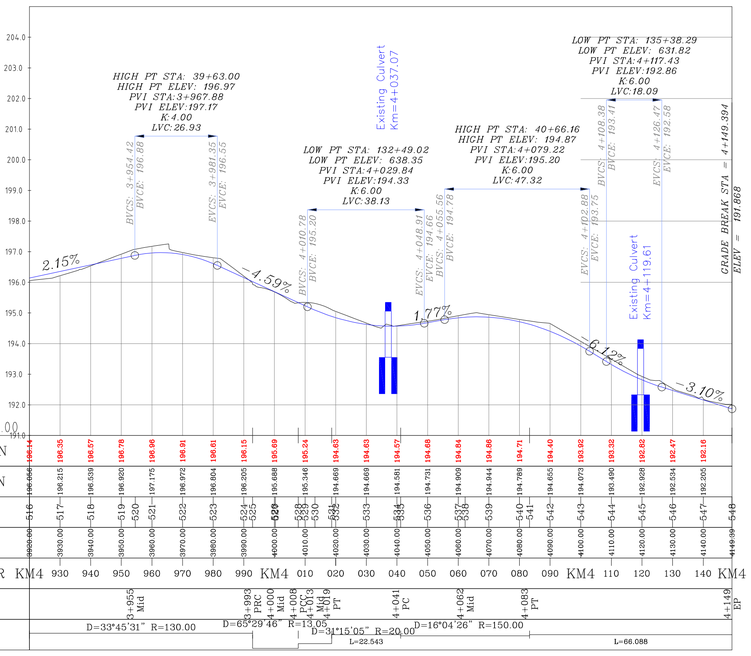
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	18	D00





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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

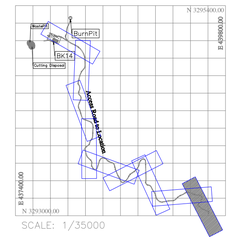
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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
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.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

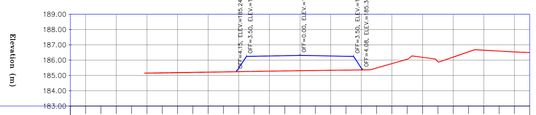
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	19 OF 90	D00

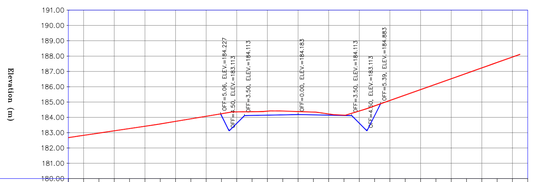
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	19	D00

0+000.00


Elevation (m)
189.00
188.00
187.00
186.00
185.00
184.00
183.00
OFF=4.15, ELEV=185.249
OFF=3.50, ELEV=186.241
OFF=0.00, ELEV=186.311
OFF=3.50, ELEV=186.241
OFF=4.09, ELEV=185.365

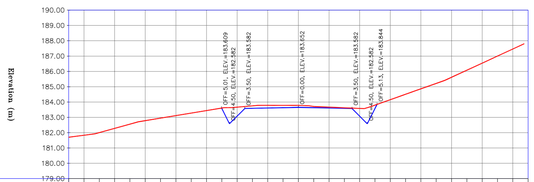
| | | |

0+060.00



NATURAL GROUND ELEVATION	182.83	182.88	183.13	183.27	183.42	183.57	183.74	183.91	184.07	184.24	184.35	184.37	184.40	184.41	184.38	184.35	184.22	184.15	184.42	184.75	185.10	185.46	185.81	186.17	186.52	186.88	187.23	187.59	187.94
PROJECT ELEVATION										184.11	183.61	184.12	184.14	184.16	184.18	184.16	184.14	184.12	183.61	184.11									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+070.00



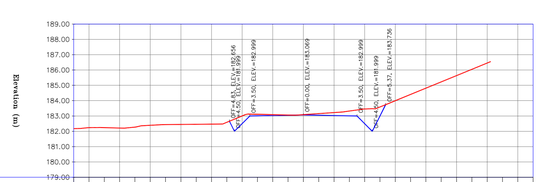
NATURAL GROUND ELEVATION	181.83	182.00	182.28	182.56	182.78	182.95	183.11	183.28	183.45	183.61	183.67	183.67	183.75	183.78	183.78	183.78	183.71	183.67	183.63	183.59	183.80	184.15	184.51	184.86	185.22	185.62	186.08	186.54	187.00	187.46
PROJECT ELEVATION										183.58	183.08	183.59	183.61	183.63	183.65	183.63	183.61	183.59	183.08	183.58										
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+080.00



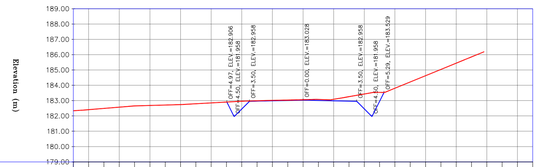
NATURAL GROUND ELEVATION	181.79	181.84	181.90	181.87	181.83	181.91	182.20	182.46	182.59	182.83	183.08	183.32	183.34	183.34	183.32	183.31	183.35	183.40	183.42	183.48	183.94	184.40	184.86	185.32	185.78	186.24	186.65	187.06	187.47
PROJECT ELEVATION												183.22	183.24	183.26	183.28	183.26	183.24	183.22	182.71	183.21									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+090.00



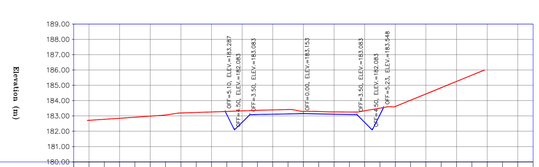
NATURAL GROUND ELEVATION	182.24	182.24	182.21	182.28	182.39	182.43	182.45	182.46	182.47	182.59	183.00	183.01	183.11	183.09	183.06	183.09	183.15	183.22	183.32	183.46	183.58	183.99	184.40	184.81	185.22	185.63	186.04	186.45	
PROJECT ELEVATION											182.50	183.01	183.03	183.05	183.07	183.05	183.03	183.01	182.50	183.00									
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

0+100.00



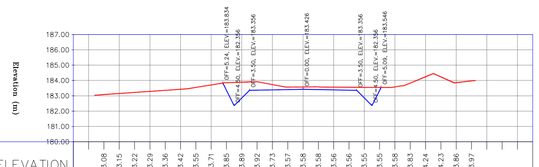
NATURAL GROUND ELEVATION	182.41	182.49	182.57	182.65	182.68	182.71	182.74	182.79	182.85	182.91	182.96	182.99	183.02	183.01	183.03	183.01	183.08	183.09	183.26	183.43	183.54	183.80	184.21	184.62	185.03	185.44	185.85		
PROJECT ELEVATION											182.46	182.97	182.99	183.01	183.03	183.01	183.08	182.99	182.97	182.46	182.96								
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+110.00



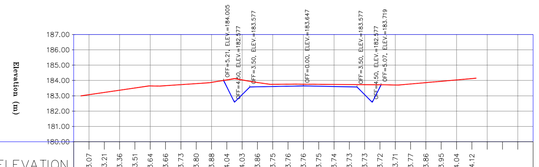
NATURAL GROUND ELEVATION	182.71	182.78	182.85	182.92	182.98	183.05	183.19	183.26	183.29	183.33	183.36	183.39	183.42	183.30	183.29	183.26	183.13	183.11	183.09	183.25	183.33	183.51	183.61	184.02	184.43	184.84	185.25	185.66	
PROJECT ELEVATION										183.08	182.58	183.09	183.11	183.13	183.15	183.13	183.11	183.09	182.58	183.08									
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+120.00



NATURAL GROUND ELEVATION	183.08	183.15	183.22	183.29	183.36	183.42	183.55	183.71	183.85	183.89	183.92	183.73	183.57	183.58	183.58	183.56	183.56	183.55	183.56	183.55	183.58	183.83	184.24	184.23	183.86	183.97			
PROJECT ELEVATION										182.86	183.37	183.39	183.41	183.43	183.41	183.39	183.37	182.86	183.36										
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

0+130.00



NATURAL GROUND ELEVATION	183.07	183.21	183.36	183.51	183.64	183.66	183.73	183.80	183.88	184.04	184.03	183.86	183.75	183.76	183.76	183.75	183.74	183.73	183.73	183.72	183.71	183.77	183.86	183.95	184.04	184.12			
PROJECT ELEVATION										183.58	183.08	183.59	183.61	183.63	183.65	183.63	183.61	183.59	183.08	183.58									
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

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

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- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.

5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

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

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	DESCRIPTION	BY	CHECKED	APPR.
***	**********		**.**	***.****	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

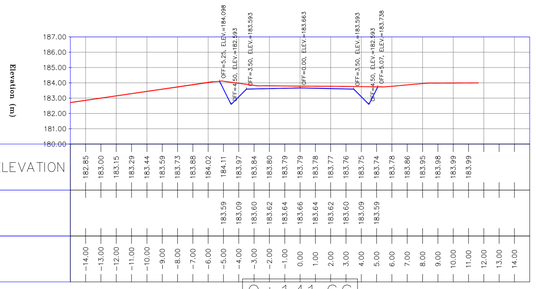
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APPROVED FOR CONSTRUCTION | BY: | DATE:

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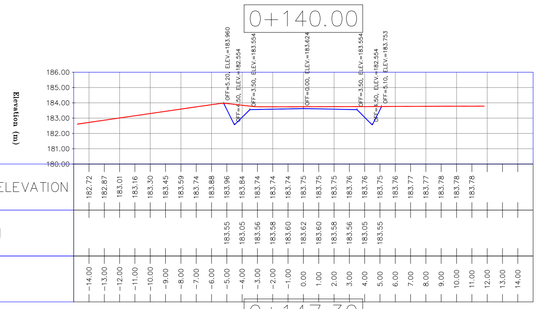
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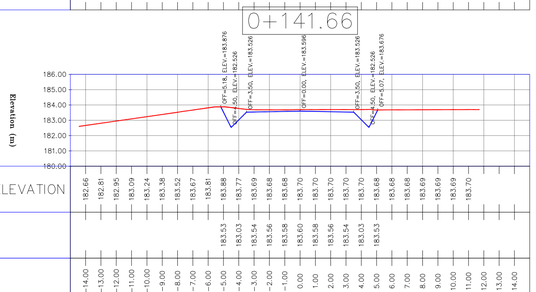
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NATURAL GROUND ELEVATION	182.85	183.00	183.15	183.29	183.44	183.59	183.73	183.88	184.02	184.11	183.97	183.84	183.80	183.79	183.79	183.78	183.77	183.76	183.75	183.74	183.78	183.86	183.95	183.98	183.99	183.99			
PROJECT ELEVATION											183.59	183.09	183.60	183.62	183.64	183.66	183.64	183.62	183.60	183.59	183.59								

0+140.00



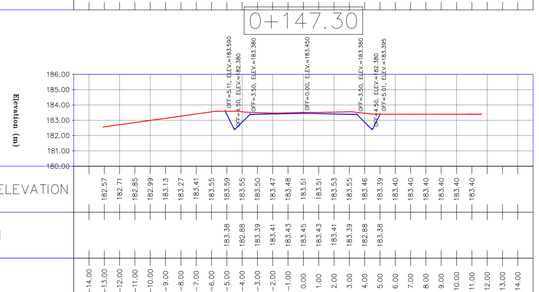
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NATURAL GROUND ELEVATION	182.72	182.87	183.01	183.16	183.30	183.45	183.59	183.74	183.88	183.96	183.84	183.74	183.58	183.74	183.74	183.75	183.75	183.76	183.76	183.75	183.76	183.77	183.77	183.78	183.78	183.78			
PROJECT ELEVATION											183.55	183.05	183.56	183.58	183.56	183.56	183.60	183.62	183.60	183.58	183.56	183.75	183.55						

0+141.66



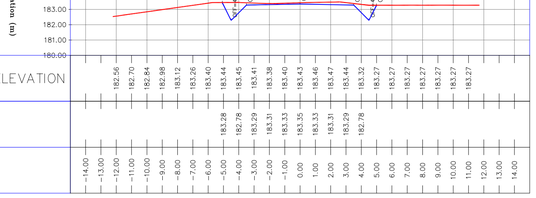
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NATURAL GROUND ELEVATION	182.66	182.81	182.95	183.09	183.24	183.38	183.52	183.67	183.81	183.88	183.77	183.69	183.68	183.68	183.70	183.70	183.70	183.70	183.68	183.68	183.68	183.69	183.69	183.70					
PROJECT ELEVATION											183.53	183.03	183.54	183.56	183.58	183.60	183.58	183.56	183.54	183.53	183.53								

0+147.30



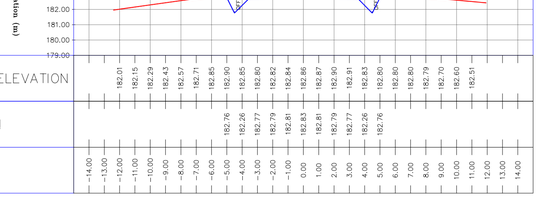
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NATURAL GROUND ELEVATION	182.57	182.71	182.85	182.99	183.13	183.27	183.41	183.55	183.59	183.55	183.50	183.47	183.48	183.51	183.51	183.53	183.55	183.46	183.39	183.40	183.40	183.40	183.40	183.40					
PROJECT ELEVATION										183.38	182.88	183.39	183.41	183.43	183.45	183.43	183.41	183.39	182.88	183.38									

0+150.00



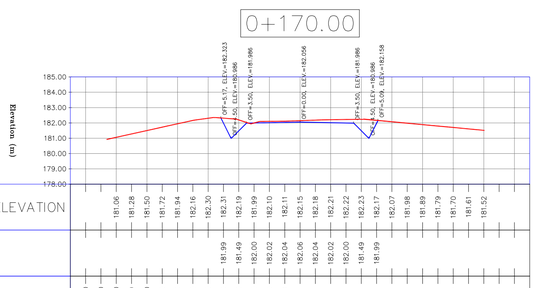
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NATURAL GROUND ELEVATION	182.56	182.70	182.84	182.98	183.12	183.26	183.40	183.44	183.45	183.41	183.38	183.40	183.43	183.46	183.47	183.44	183.32	183.27	183.27	183.27	183.27	183.27	183.27	183.27					
PROJECT ELEVATION										183.28	182.78	183.29	183.31	183.33	183.33	183.31	183.29	182.78	183.27	183.27									

0+160.00



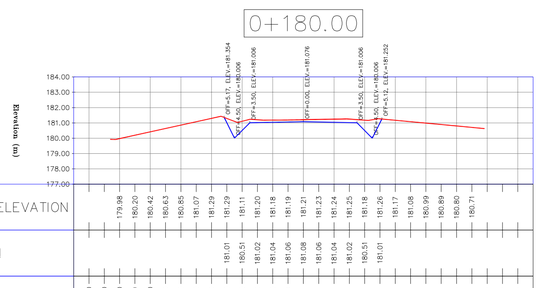
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NATURAL GROUND ELEVATION	182.01	182.15	182.29	182.43	182.57	182.71	182.85	182.90	182.85	182.80	182.77	182.80	182.82	182.84	182.86	182.87	182.90	182.91	182.83	182.80	182.80	182.80	182.79	182.70	182.60	182.51			
PROJECT ELEVATION									182.76	182.26	182.79	182.77	182.79	182.81	182.83	182.81	182.79	182.77	182.76	182.76									

0+170.00



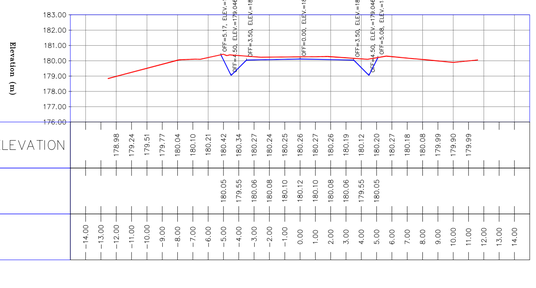
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NATURAL GROUND ELEVATION	181.06	181.28	181.50	181.72	181.94	182.16	182.30	182.31	182.19	181.99	182.10	182.11	182.15	182.18	182.21	182.22	182.23	182.17	182.07	181.98	181.89	181.79	181.70	181.61	181.52				
PROJECT ELEVATION									181.99	181.49	182.00	182.04	182.06	182.04	182.02	182.00	181.49	181.99											

0+180.00



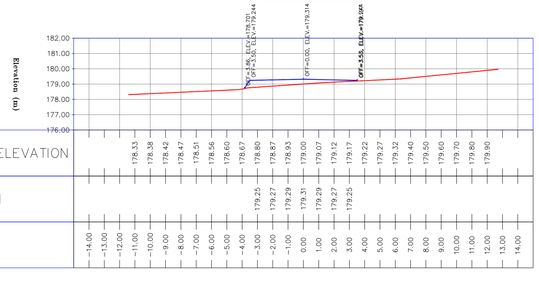
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NATURAL GROUND ELEVATION	179.98	180.20	180.42	180.63	180.85	181.07	181.29	181.11	181.20	181.18	181.19	181.21	181.23	181.24	181.25	181.18	181.26	181.17	181.08	180.99	180.89	180.80	180.71						
PROJECT ELEVATION								181.01	180.51	181.02	181.04	181.06	181.08	181.06	181.04	181.02	180.51	181.01											

0+190.00



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	178.98	179.24	179.51	179.77	180.04	180.10	180.21	180.42	180.34	180.27	180.24	180.25	180.26	180.27	180.26	180.19	180.12	180.20	180.18	180.08	179.99	179.90	179.99						
PROJECT ELEVATION								180.05	179.55	180.06	180.08	180.10	180.12	180.10	180.08	180.06	179.55	180.05											

0+200.00



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	178.33	178.38	178.42	178.47	178.51	178.56	178.60	178.67	178.80	178.87	178.93	179.00	179.07	179.12	179.17	179.22	179.27	179.32	179.40	179.50	179.60	179.70	179.80	179.90					
PROJECT ELEVATION								179.25	179.27	179.29	179.31	179.29	179.27	179.25															

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

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

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

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EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
			CHECKED		REV. APPR.	
***		**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

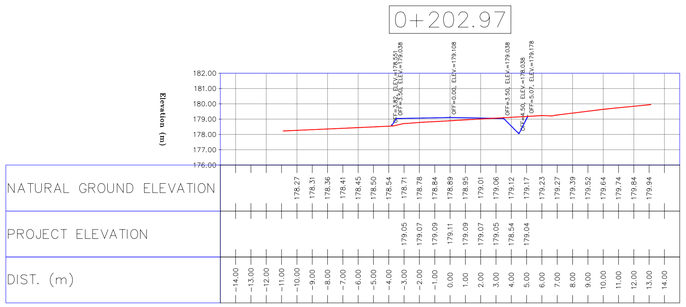
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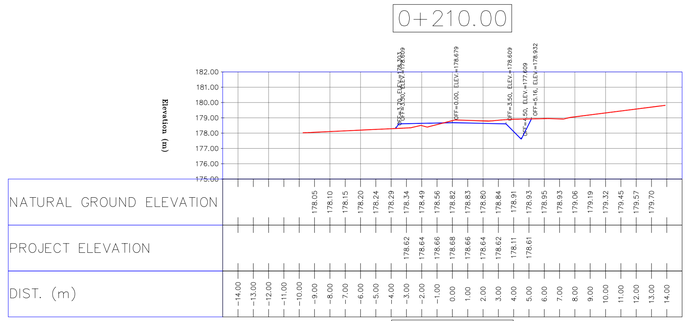
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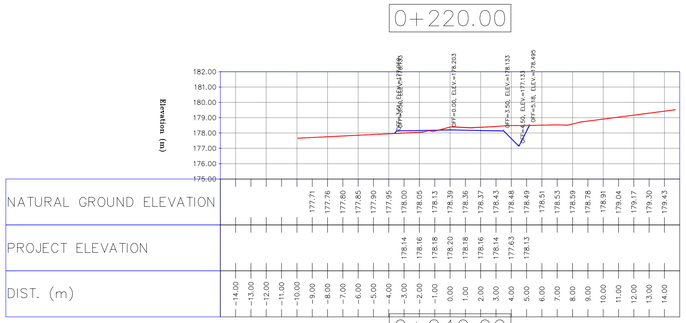
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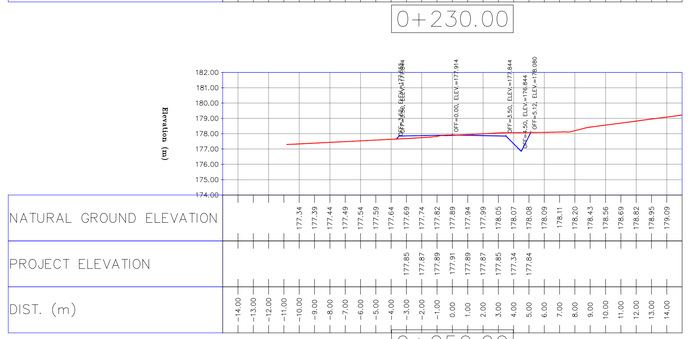
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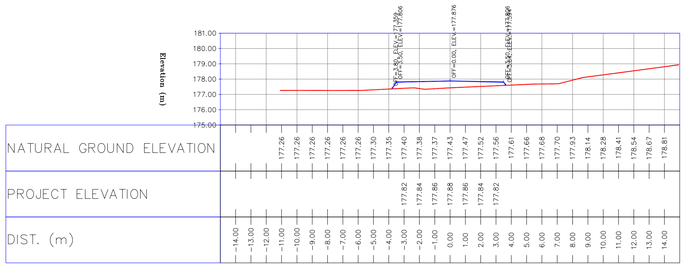
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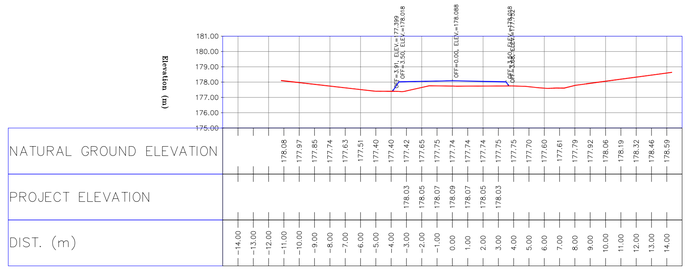


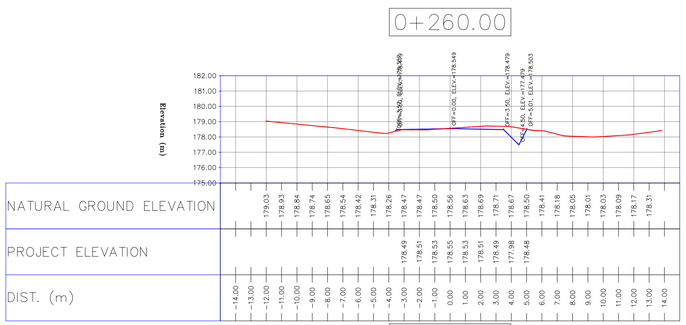


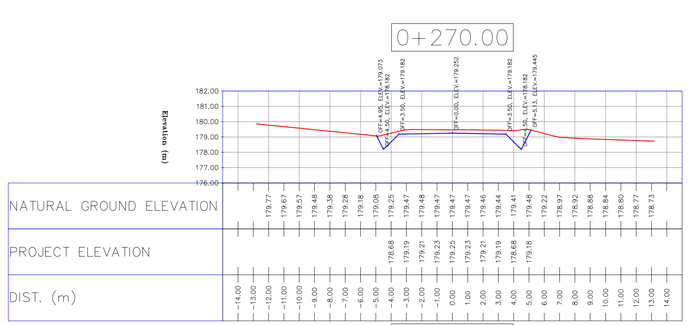


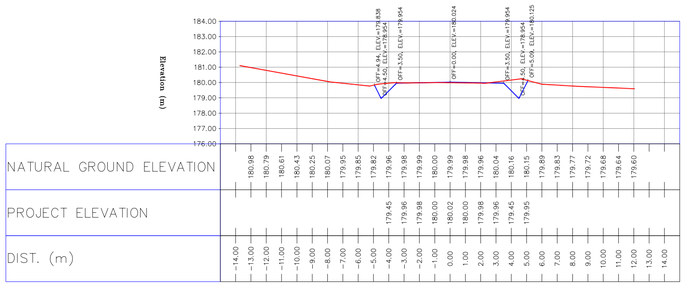


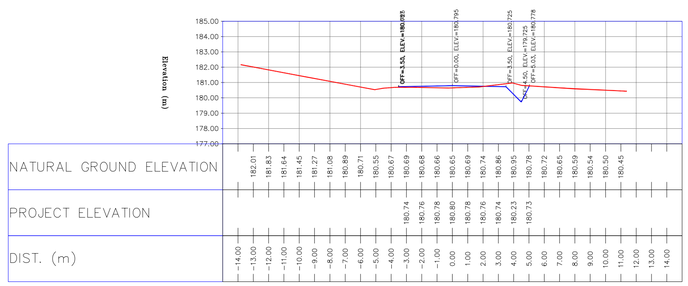












NOTES

1–ALL COORDINATES AND ELEVATIONS ARE IN METER.

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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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5–BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

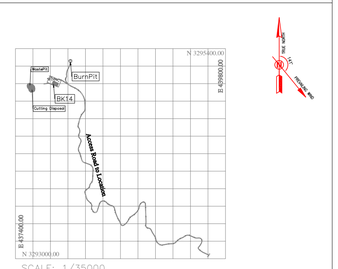
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60 / 50)
99.27 SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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

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.
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**
***	**********	**.**	***.****	**.**	***.****	
REV.	DESCRIPTION	BY	DATE	BY	DATE	
		CHECKED		REV. APPR.		

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	23 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

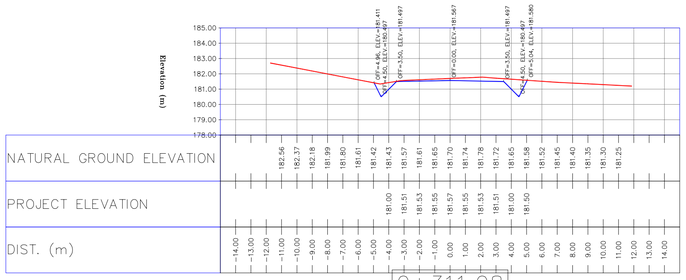
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

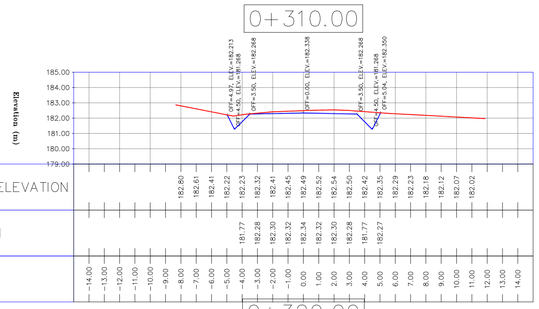
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	23	D00

0+300.00



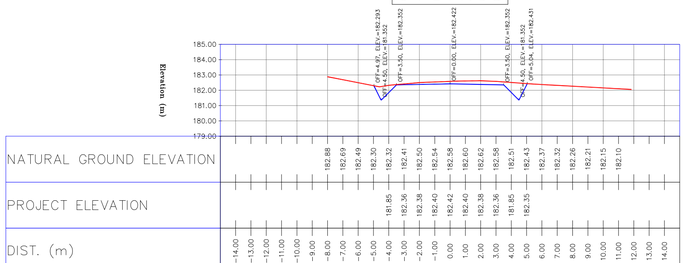
NATURAL GROUND ELEVATION	182.56	182.37	182.18	181.99	181.80	181.61	181.42	181.43	181.57	181.61	181.65	181.55	181.70	181.74	181.78	181.72	181.65	181.58	181.52	181.45	181.40	181.35	181.30	181.25				
PROJECT ELEVATION								181.00	181.51	181.53	181.55	181.57	181.55	181.53	181.51	181.00	181.50											
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+310.00



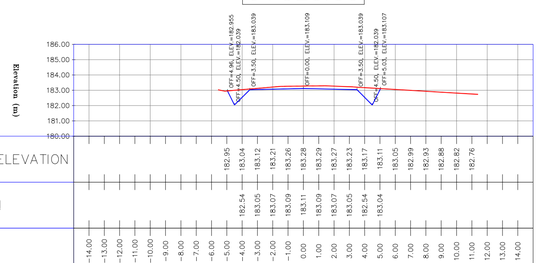
NATURAL GROUND ELEVATION	182.80	182.61	182.41	182.22	182.23	182.32	182.41	182.45	182.49	182.52	182.54	182.50	182.42	182.35	182.29	182.23	182.18	182.12	182.07	182.02								
PROJECT ELEVATION					181.77	182.28	182.30	182.32	182.34	182.32	182.30	182.28	181.77	182.27														
DIST. (m)	-14.00	-13.00	-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

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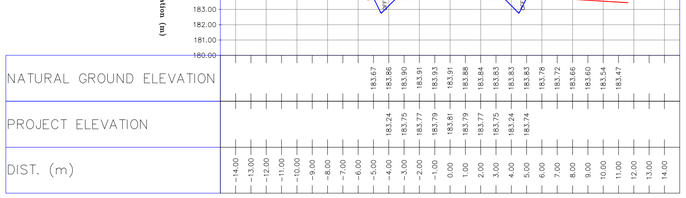
NATURAL GROUND ELEVATION	182.88	182.69	182.49	182.30	182.32	182.41	182.50	182.54	182.58	182.60	182.62	182.58	182.51	182.43	182.37	182.32	182.26	182.21	182.15	182.10								
PROJECT ELEVATION					181.85	182.36	182.38	182.40	182.40	182.38	182.36	181.85	182.35															
DIST. (m)	-14.00	-13.00	-12.00	-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

0+320.00



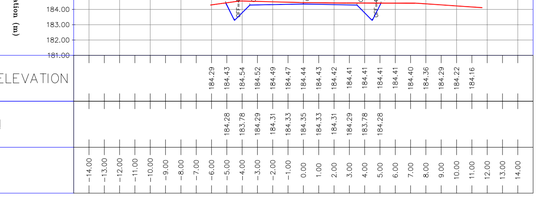
NATURAL GROUND ELEVATION	182.95	183.04	183.12	183.21	183.26	183.28	183.29	183.27	183.23	183.17	183.11	183.05	182.99	182.93	182.88	182.82	182.76											
PROJECT ELEVATION		182.54	183.05	183.07	183.09	183.11	183.09	183.07	183.05	182.54	183.04																	
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-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

0+330.00



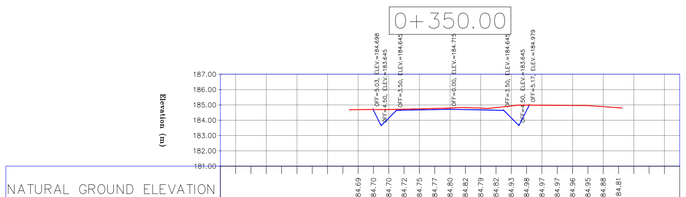
NATURAL GROUND ELEVATION	183.67	183.86	183.90	183.91	183.93	183.91	183.88	183.84	183.83	183.83	183.83	183.78	183.72	183.66	183.60	183.54	183.47											
PROJECT ELEVATION		183.24	183.75	183.77	183.79	183.81	183.79	183.77	183.75	183.24	183.74																	
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-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

0+340.00



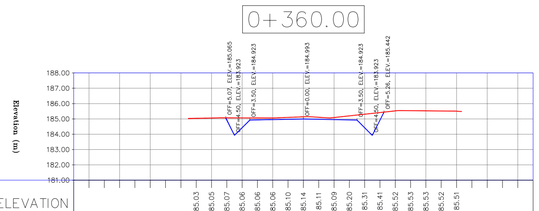
NATURAL GROUND ELEVATION	184.29	184.43	184.54	184.52	184.49	184.47	184.44	184.43	184.42	184.41	184.41	184.41	184.40	184.36	184.29	184.22	184.16											
PROJECT ELEVATION		184.28	183.78	184.29	184.31	184.33	184.35	184.33	184.31	184.29	183.78	184.28																
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-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+350.00



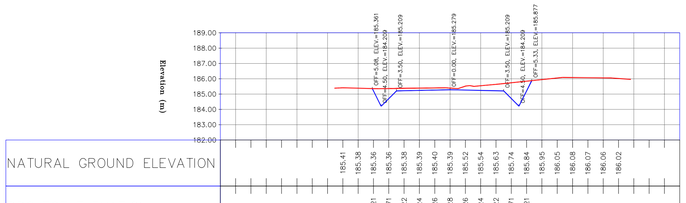
NATURAL GROUND ELEVATION	184.69	184.70	184.72	184.75	184.77	184.80	184.82	184.79	184.82	184.83	184.98	184.97	184.97	184.96	184.95	184.88	184.81											
PROJECT ELEVATION		184.65	184.15	184.66	184.68	184.70	184.70	184.68	184.66	184.66	184.15	184.65																
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-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+360.00



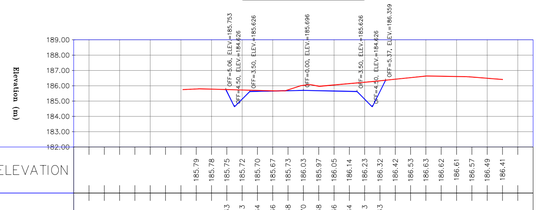
NATURAL GROUND ELEVATION	185.03	185.05	185.07	185.06	185.06	185.06	185.10	185.14	185.11	185.09	185.20	185.31	185.41	185.52	185.53	185.53	185.52	185.51										
PROJECT ELEVATION		184.92	184.42	184.93	184.95	184.97	184.99	184.97	184.95	184.93	184.42	184.92																
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+370.00



NATURAL GROUND ELEVATION	185.41	185.38	185.36	185.38	185.39	185.40	185.39	185.52	185.54	185.63	185.74	185.84	185.95	186.05	186.08	186.07	186.06	186.02										
PROJECT ELEVATION		185.21	184.71	185.22	185.24	185.26	185.28	185.26	185.24	185.22	184.71	185.21																
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+380.00



NATURAL GROUND ELEVATION	185.79	185.78	185.75	185.72	185.70	185.67	185.73	186.03	185.97	186.05	186.14	186.23	186.32	186.42	186.53	186.62	186.63	186.61	186.57	186.49	186.41							
PROJECT ELEVATION		185.63	185.13	185.64	185.66	185.68	185.70	185.68	185.66	185.64	185.13	185.63																
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.

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

3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

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

5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

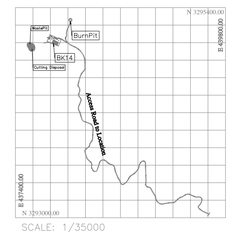
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

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

KEY PLAN



SCALE: 1/35000

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

		CHECKED	REV. APPR.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

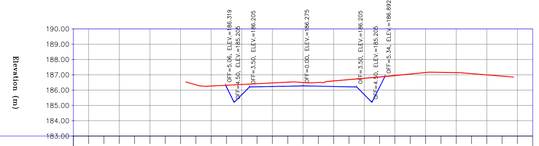
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	24 OF 90	D00

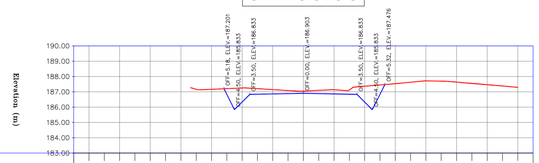
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0+390.00



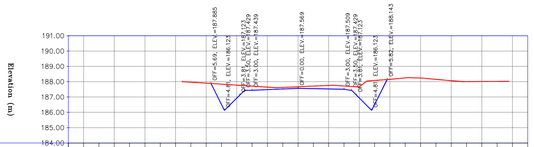
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
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-13.00		186.27
-12.00		186.32
-11.00		186.37
-10.00		186.42
-9.00		186.47
-8.00		186.52
-7.00		186.50
-6.00		186.50
-5.00	186.21	186.32
-4.00	185.71	186.37
-3.00	186.22	186.42
-2.00	186.24	186.47
-1.00	186.26	186.52
0.00	186.28	186.50
1.00	186.26	186.50
2.00	186.24	186.60
3.00	186.22	186.69
4.00	185.71	186.78
5.00	186.21	186.86
6.00		186.95
7.00		187.05
8.00		187.15
9.00		187.16
10.00		187.15
11.00		187.08
12.00		187.00
13.00		186.91
14.00		

0+400.00



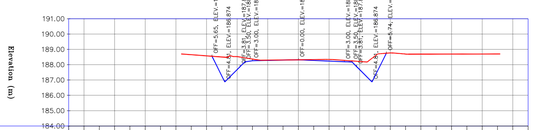
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		187.17
-13.00		187.16
-12.00		187.21
-11.00		187.26
-10.00		187.21
-9.00		187.15
-8.00		187.09
-7.00		187.05
-6.00		186.90
-5.00	186.83	186.88
-4.00	186.33	187.10
-3.00	186.84	187.13
-2.00	186.86	186.95
-1.00	186.88	186.88
0.00	186.90	187.05
1.00	186.88	187.10
2.00	186.95	187.13
3.00	186.84	187.11
4.00	186.33	187.37
5.00	186.83	187.45
6.00		187.53
7.00		187.63
8.00		187.72
9.00		187.70
10.00		187.63
11.00		187.55
12.00		187.47
13.00		187.38
14.00		187.30

0+410.00



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		187.97
-13.00		187.91
-12.00		187.84
-11.00		187.78
-10.00		187.71
-9.00		187.65
-8.00		187.63
-7.00		187.67
-6.00		187.71
-5.00	186.51	187.76
-4.00	186.93	187.72
-3.00	187.44	187.66
-2.00	187.48	186.98
-1.00	187.53	186.51
0.00	187.57	188.16
1.00	187.55	188.25
2.00	187.53	188.24
3.00	187.51	188.15
4.00	186.93	188.07
5.00	186.51	188.00
6.00		188.01
7.00		188.02
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+419.19



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		188.65
-13.00		188.58
-12.00		188.50
-11.00		188.53
-10.00		188.37
-9.00		188.30
-8.00		188.31
-7.00		188.32
-6.00		188.33
-5.00	187.26	188.28
-4.00	187.68	188.33
-3.00	188.26	188.34
-2.00	188.28	188.28
-1.00	188.30	188.21
0.00	188.32	187.68
1.00	188.28	187.26
2.00	188.23	187.77
3.00	188.19	188.69
4.00	187.68	188.69
5.00	187.26	188.69
6.00		188.69
7.00		188.70
8.00		188.70
9.00		188.70
10.00		
11.00		
12.00		
13.00		
14.00		

0+420.00



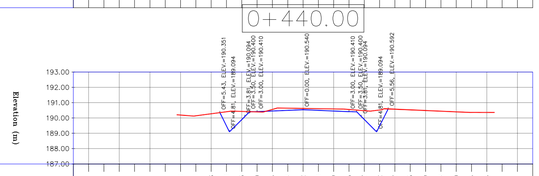
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		188.71
-13.00		188.64
-12.00		188.56
-11.00		188.50
-10.00		188.42
-9.00		188.38
-8.00		188.39
-7.00		188.37
-6.00		188.35
-5.00	187.33	188.36
-4.00	187.75	188.34
-3.00	188.33	188.26
-2.00	188.35	187.75
-1.00	188.37	187.33
0.00	188.39	188.81
1.00	188.35	188.75
2.00	188.31	188.76
3.00	188.26	188.76
4.00	187.75	188.76
5.00	187.33	188.77
6.00		
7.00		
8.00		
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10.00		
11.00		
12.00		
13.00		
14.00		

0+430.00



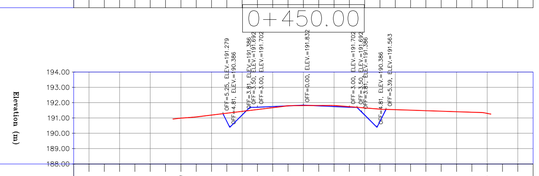
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		189.41
-13.00		189.34
-12.00		189.42
-11.00		189.47
-10.00		189.44
-9.00		189.41
-8.00		189.38
-7.00		189.35
-6.00		189.33
-5.00	188.32	189.36
-4.00	188.74	189.39
-3.00	189.34	189.37
-2.00	189.30	189.39
-1.00	189.34	189.51
0.00	189.38	189.62
1.00	189.36	189.58
2.00	189.34	189.55
3.00	189.32	189.56
4.00	188.74	189.56
5.00	188.32	189.56
6.00		
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+440.00



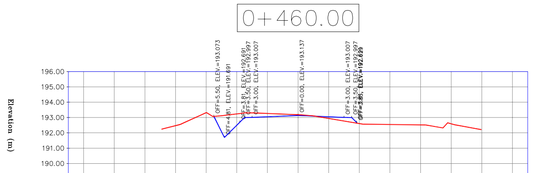
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		190.19
-13.00		190.14
-12.00		190.28
-11.00		190.41
-10.00		190.43
-9.00		190.40
-8.00		190.56
-7.00		190.64
-6.00		190.62
-5.00	189.48	190.61
-4.00	189.90	190.59
-3.00	190.41	190.55
-2.00	190.45	190.47
-1.00	190.50	190.52
0.00	190.54	190.57
1.00	190.50	190.53
2.00	190.45	190.49
3.00	190.41	190.44
4.00	189.90	190.40
5.00	189.48	190.36
6.00		190.36
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+450.00



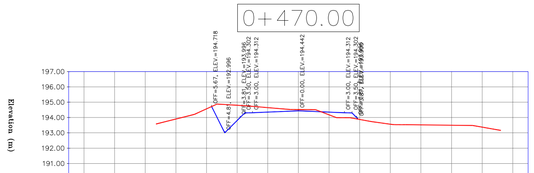
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		190.99
-13.00		191.07
-12.00		191.19
-11.00		191.31
-10.00		191.43
-9.00		191.55
-8.00		191.67
-7.00		191.79
-6.00		191.81
-5.00	190.77	191.82
-4.00	191.19	191.79
-3.00	191.70	191.75
-2.00	191.75	191.81
-1.00	191.83	191.74
0.00	191.79	191.66
1.00	191.75	191.58
2.00	191.75	191.54
3.00	191.70	191.51
4.00	191.19	191.48
5.00	190.77	191.44
6.00		191.41
7.00		191.37
8.00		191.30
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+460.00



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		192.47
-13.00		192.86
-12.00		193.32
-11.00		193.12
-10.00		193.23
-9.00		193.30
-8.00		193.26
-7.00		193.22
-6.00		193.18
-5.00	192.08	193.10
-4.00	192.50	192.94
-3.00	193.01	192.77
-2.00	193.05	192.60
-1.00	193.09	192.55
0.00	193.14	192.54
1.00	193.09	192.53
2.00	193.05	192.52
3.00	193.01	192.40
4.00		192.59
5.00		192.39
6.00		
7.00		
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+470.00



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		193.65
-13.00		193.90
-12.00		194.15
-11.00		194.57
-10.00		194.86
-9.00		194.80
-8.00		194.73
-7.00		194.65
-6.00		194.56
-5.00	193.38	194.52
-4.00	193.80	194.51
-3.00	194.31	194.18
-2.00	194.35	193.99
-1.00	194.40	193.88
0.00	194.44	193.70
1.00	194.40	193.56
2.00	194.35	193.53
3.00	194.31	193.51
4.00		193.50
5.00		193.49
6.00		193.37
7.00		193.20
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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

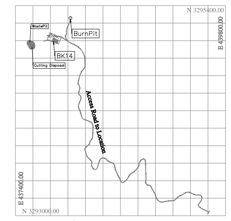
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

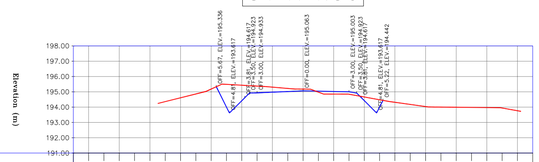
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	25 OF 90	D00

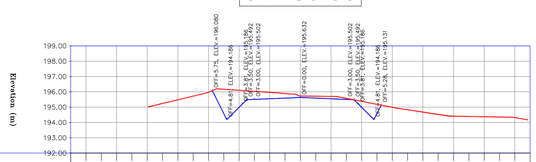
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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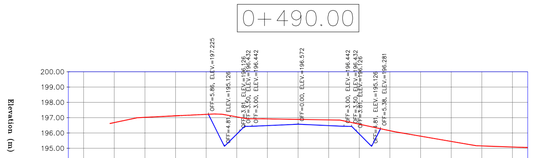
NATURAL GROUND ELEVATION	194.36	194.61	194.86	195.18	195.49	195.43	195.38	195.31	195.22	195.18	194.98	194.85	194.85	194.66	194.48	194.31	194.18	194.04	194.00	193.99	193.98	193.97	193.94	193.77
PROJECT ELEVATION					194.00	194.42	194.93	194.88	195.02	195.06	195.04	195.02	195.00	194.42	194.00									
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

0+480.00



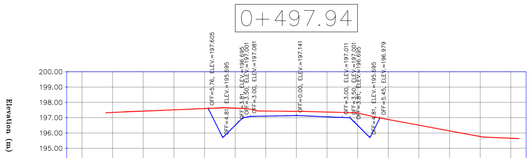
NATURAL GROUND ELEVATION	195.24	195.48	195.72	195.97	196.17	196.10	196.03	195.97	195.89	195.73	195.71	195.70	195.57	195.38	195.19	194.99	194.83	194.68	194.53	194.41	194.39	194.37	194.36	194.32
PROJECT ELEVATION					194.57	194.99	195.50	195.55	195.59	195.63	195.59	195.55	195.50	194.99	194.57									
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

0+490.00



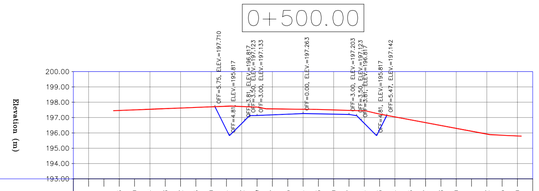
NATURAL GROUND ELEVATION	196.68	196.89	197.02	197.07	197.12	197.17	197.22	197.23	197.05	196.93	196.92	196.91	196.89	196.87	196.86	196.79	196.58	196.36	196.15	195.96	195.79	195.62	195.45	195.28	195.16	195.12	195.08
PROJECT ELEVATION								195.51	195.93	196.44	196.49	196.53	196.57	196.53	196.49	196.44	195.93	195.51									
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

0+497.94



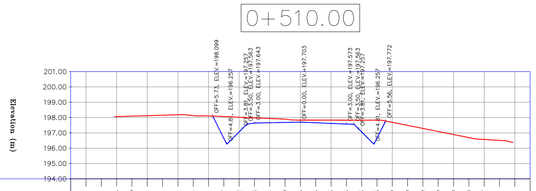
NATURAL GROUND ELEVATION	197.34	197.39	197.43	197.47	197.51	197.55	197.59	197.64	196.50	197.62	197.55	197.44	197.42	197.41	197.39	197.37	197.34	197.30	197.08	196.88	196.69	196.51	196.33	196.14	195.96	195.78	195.70	195.66
PROJECT ELEVATION								196.08	196.50	197.08	197.10	197.12	197.14	197.10	197.05	197.01	196.50	196.08									
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+500.00



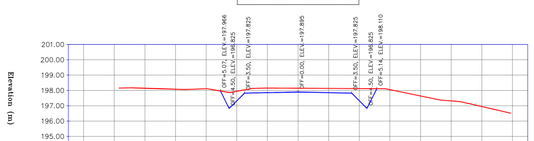
NATURAL GROUND ELEVATION	197.46	197.50	197.54	197.58	197.62	197.66	197.70	197.74	197.72	197.69	197.57	197.55	197.54	197.53	197.50	197.47	197.44	197.23	197.04	196.86	196.67	196.48	196.30	196.11	195.92	195.85	195.80
PROJECT ELEVATION								196.20	196.62	197.13	197.18	197.22	197.26	197.24	197.22	197.20	196.62	196.20									
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+510.00



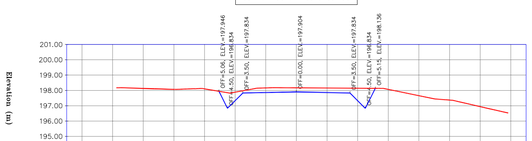
NATURAL GROUND ELEVATION	198.06	198.09	198.12	198.16	198.19	198.13	198.11	198.07	198.02	197.98	197.94	197.89	197.83	197.83	197.70	197.66	197.62	197.57	197.83	197.83	197.83	197.69	197.49	197.09	196.89	196.70	196.57	196.51
PROJECT ELEVATION								196.64	197.06	197.64	197.66	197.68	197.70	197.66	197.62	197.57	197.06	196.64									
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+520.00



NATURAL GROUND ELEVATION	198.17	198.14	198.11	198.08	198.07	198.11	197.95	197.95	198.13	198.16	198.15	198.14	198.14	198.13	198.13	198.12	198.12	198.11	198.05	197.84	197.64	197.43	197.32	197.17	197.17	196.94	196.72
PROJECT ELEVATION								197.83	197.33	197.84	197.86	197.88	197.90	197.88	197.86	197.84	197.33	197.83									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+520.93



NATURAL GROUND ELEVATION	198.16	198.13	198.10	198.07	198.10	198.11	197.94	197.89	198.07	198.17	198.18	198.17	198.16	198.16	198.15	198.14	198.14	198.06	197.86	197.66	197.45	197.37	197.17	196.94	196.72
PROJECT ELEVATION								197.83	197.33	197.84	197.86	197.88	197.90	197.88	197.86	197.84	197.33	197.83							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

1–ALL COORDINATES AND ELEVATIONS ARE IN METER.

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

3–GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

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

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LEGEND

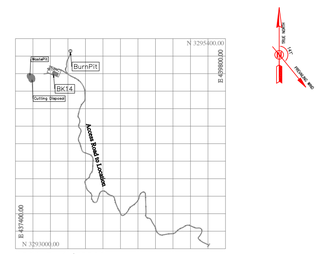
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD		BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

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

KEY PLAN



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	CHECKED BY	DATE	REV. APPR. BY	DATE
***	**********	**	***.****	**	***.****		
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

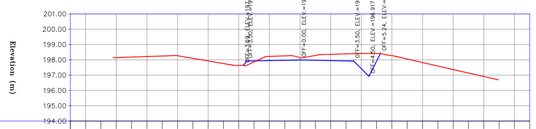
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

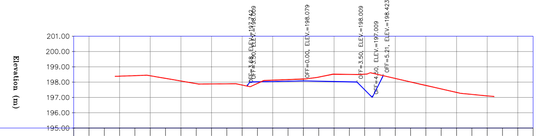
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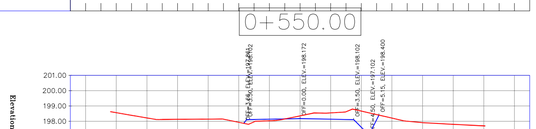
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NATURAL GROUND ELEVATION											198.14	198.18	198.21	198.25	198.27	198.10	197.93	197.76	197.64	197.86	198.22	198.26	198.15	198.28	198.36	198.39	198.42	198.41	198.28
PROJECT ELEVATION															197.93	197.95	197.97	197.99	197.95	197.93	197.42	197.92							
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

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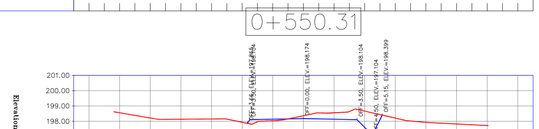
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NATURAL GROUND ELEVATION											198.39	198.42	198.41	198.24	198.07	197.91	197.88	197.89	197.81	197.92	198.13	198.17	198.20	198.33	198.52	198.50	198.52	198.47	198.24
PROJECT ELEVATION															198.02	198.04	198.06	198.08	198.06	198.04	198.04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

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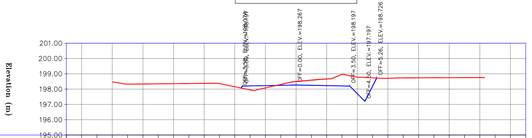
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NATURAL GROUND ELEVATION											198.56	198.39	198.22	198.12	198.13	198.14	198.14	197.93	197.97	198.03	198.14	198.35	198.54	198.55	198.62	198.66	198.43	198.21	198.00
PROJECT ELEVATION															198.11	198.13	198.15	198.17	198.15	198.13	198.11	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

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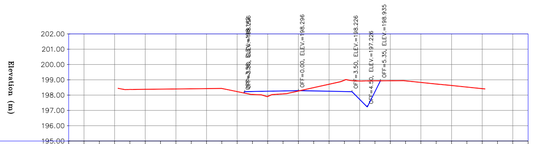
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NATURAL GROUND ELEVATION											198.55	198.38	198.21	198.13	198.14	198.15	198.14	197.94	197.97	198.03	198.15	198.36	198.54	198.55	198.63	198.66	198.43	198.21	198.02
PROJECT ELEVATION															198.11	198.13	198.15	198.17	198.15	198.13	198.11	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



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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
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



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NATURAL GROUND ELEVATION											198.37	198.38	198.39	198.40	198.41	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
PROJECT ELEVATION															198.24	198.26	198.28	198.30	198.28	198.26	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



	−14.00	−13.00	−12.00	−11.00	−10.00	−9.00	−8.00	−7.00	−6.00	−5.00	−4.00	−3.00	−2.00	−1.00	0.00	1.00	2.00	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											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
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



	−14.00	−13.00	−12.00	−11.00	−10.00	−9.00	−8.00	−7.00	−6.00	−5.00	−4.00	−3.00	−2.00	−1.00	0.00	1.00	2.00	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											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	198.72	198.71
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

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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	198.91
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



	−14.00	−13.00	−12.00	−11.00	−10.00	−9.00	−8.00	−7.00	−6.00	−5.00	−4.00	−3.00	−2.00	−1.00	0.00	1.00	2.00	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											199.11	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	199.24
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:
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LEGEND

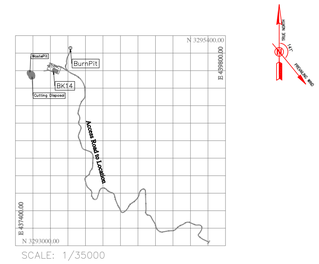
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD		BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

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PVI= POINT OF VRTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
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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.	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	27 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

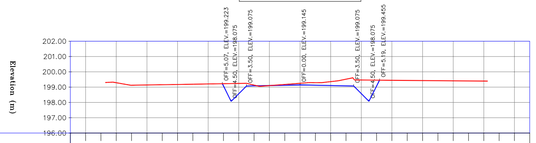
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

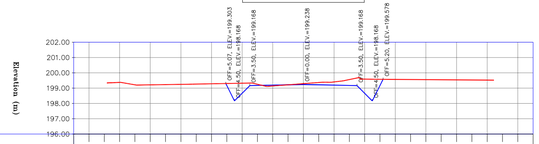
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0+596.35



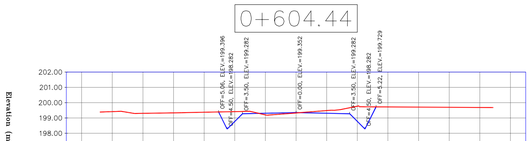
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PROJECT ELEVATION										199.08	198.58	199.09	199.11	199.13	199.15	199.13	199.11	199.09	198.58	199.08									
NATURAL GROUND ELEVATION	199.29	199.13	199.14	199.16	199.17	199.19	199.21	199.22	199.24	199.14	199.10	199.17	199.25	199.29	199.36	199.52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

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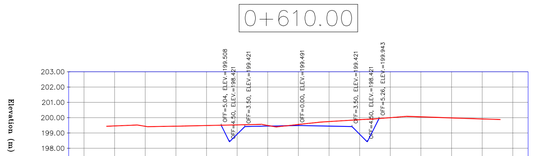
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PROJECT ELEVATION										199.17	198.67	199.18	199.20	199.22	199.24	199.22	199.20	199.18	198.67	199.17									
NATURAL GROUND ELEVATION	199.37	199.22	199.22	199.23	199.25	199.26	199.28	199.30	199.32	199.25	199.14	199.22	199.29	199.37	199.41	199.56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

0+604.44



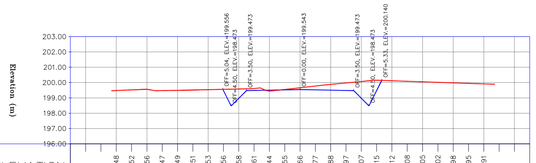
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PROJECT ELEVATION										199.28	198.78	199.29	199.31	199.33	199.35	199.33	199.31	199.29	198.78	199.28									
NATURAL GROUND ELEVATION	199.42	199.37	199.30	199.32	199.34	199.36	199.38	199.40	199.42	199.44	199.31	199.25	199.33	199.41	199.49	199.57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

0+610.00



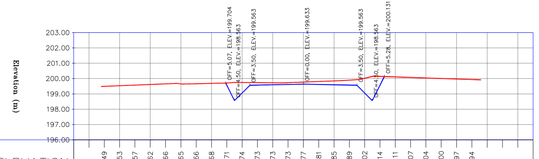
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PROJECT ELEVATION										199.42	198.92	199.43	199.45	199.47	199.49	199.47	199.45	199.43	198.92	199.42									
NATURAL GROUND ELEVATION	199.46	199.50	199.44	199.43	199.44	199.46	199.48	199.51	199.53	199.55	199.49	199.44	199.55	199.66	199.75	199.81	199.87	199.92	200.00	200.08	200.05	200.02	199.99	199.95	199.92	199.88			

0+612.53



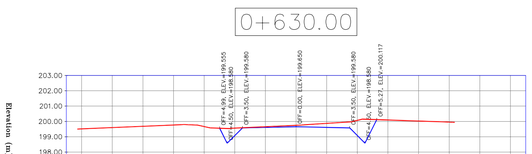
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PROJECT ELEVATION										199.47	198.97	199.48	199.50	199.52	199.54	199.52	199.50	199.48	198.97	199.47									
NATURAL GROUND ELEVATION	199.48	199.52	199.56	199.47	199.53	199.56	199.58	199.61	199.50	199.44	199.55	199.66	199.77	199.88	199.97	200.07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

0+620.00



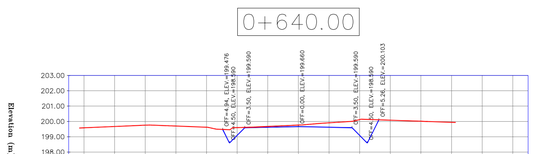
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PROJECT ELEVATION										199.56	199.06	199.57	199.59	199.61	199.63	199.61	199.59	199.57	199.06	199.56									
NATURAL GROUND ELEVATION	199.49	199.53	199.57	199.62	199.66	199.68	199.71	199.74	199.73	199.73	199.73	199.77	199.81	199.85	199.89	200.02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

0+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
PROJECT ELEVATION										199.08	199.59	199.61	199.63	199.61	199.63	199.61	199.59	199.08	199.58										
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	200.07	200.13	200.09	200.06	200.02	199.99	199.96					

0+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
PROJECT ELEVATION										199.09	199.60	199.62	199.64	199.66	199.64	199.62	199.60	199.09	199.59										
NATURAL GROUND ELEVATION	199.35	199.63	199.67	199.71	199.75	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					

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

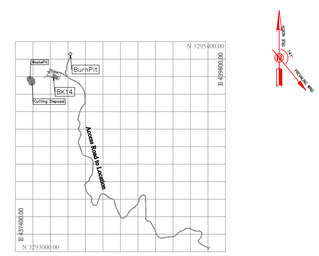
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
═══	ASPHALT ROAD	99.27	SPOT HEIGHT
═══	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
∿∿	DAYLIGHT		CULVERT

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

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

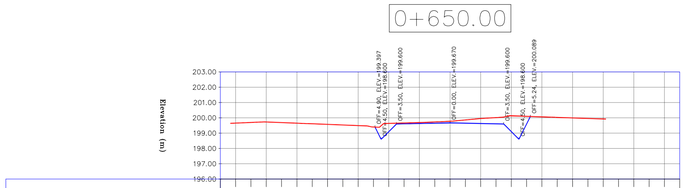
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	28 OF 90	D00

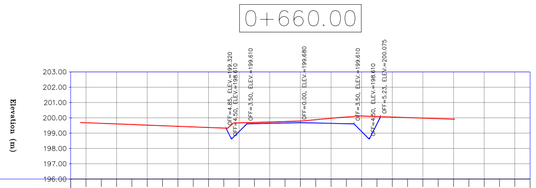
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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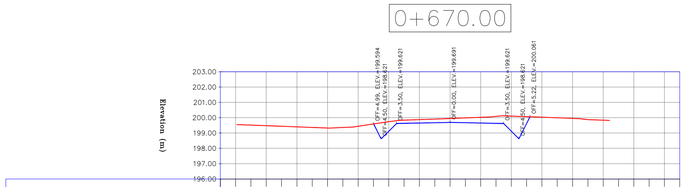
NATURAL GROUND ELEVATION	199.65	199.70	199.73	199.69	199.65	199.61	199.57	199.53	199.50	199.40	199.63	199.66	199.69	199.73	199.78	199.86	199.95	200.01	200.13	200.10	200.06	200.03	200.00	199.96	199.93				
PROJECT ELEVATION											199.10	199.61	199.63	199.65	199.67	199.65	199.53	199.61	199.10	199.60									
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



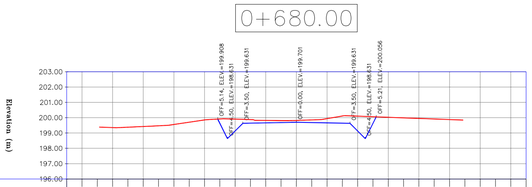
NATURAL GROUND ELEVATION	199.68	199.64	199.60	199.56	199.52	199.49	199.45	199.41	199.37	199.33	199.67	199.70	199.73	199.76	199.79	199.88	199.97	200.05	200.12	200.08	200.05	200.02	199.98	199.95	199.91				
PROJECT ELEVATION											199.11	199.62	199.64	199.66	199.68	199.66	199.64	199.62	199.11	199.61									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	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



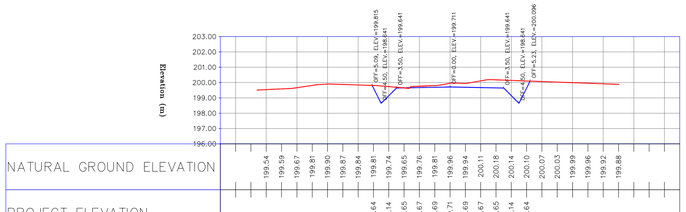
NATURAL GROUND ELEVATION	199.52	199.48	199.44	199.40	199.36	199.32	199.36	199.44	199.59	199.74	199.84	199.87	199.91	199.95	199.98	200.02	200.08	200.10	200.07	200.03	199.99	199.96	199.88	199.84					
PROJECT ELEVATION										199.12	199.63	199.65	199.67	199.69	199.67	199.65	199.63	199.12	199.62										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	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



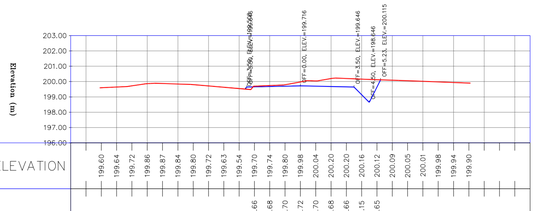
NATURAL GROUND ELEVATION	199.35	199.38	199.43	199.47	199.55	199.70	199.85	199.92	199.91	199.87	199.82	199.81	199.82	199.85	199.94	200.11	200.10	200.06	200.03	199.99	199.95	199.92	199.88						
PROJECT ELEVATION								199.63	199.13	199.64	199.66	199.68	199.70	199.68	199.66	199.64	199.13	199.63							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



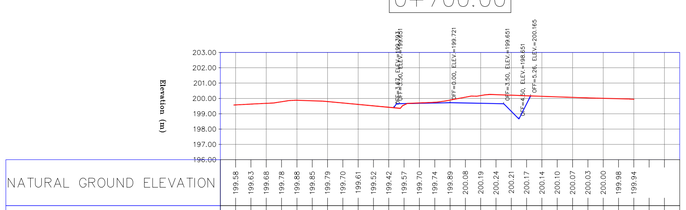
NATURAL GROUND ELEVATION	199.54	199.59	199.67	199.81	199.90	199.87	199.84	199.81	199.74	199.65	199.76	199.81	199.96	199.94	200.11	200.18	200.14	200.10	200.07	200.03	199.99	199.96	199.92	199.88					
PROJECT ELEVATION								199.64	199.14	199.65	199.67	199.69	199.71	199.69	199.67	199.65	199.14	199.64											
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

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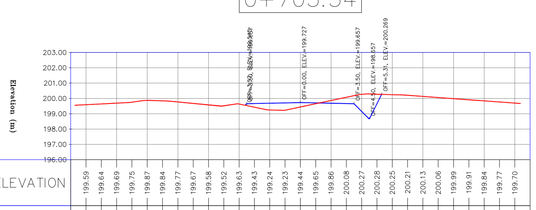
NATURAL GROUND ELEVATION	199.60	199.64	199.72	199.86	199.87	199.84	199.80	199.72	199.63	199.54	199.74	199.80	199.98	200.04	200.20	200.20	200.16	200.12	200.09	200.05	200.01	199.98	199.94	199.90					
PROJECT ELEVATION										199.66	199.68	199.70	199.72	199.70	199.68	199.66	199.15	199.65											
DIST. (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	199.85	199.79	199.70	199.61	199.52	199.42	199.57	199.70	199.74	199.89	200.08	200.19	200.24	200.21	200.17	200.10	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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

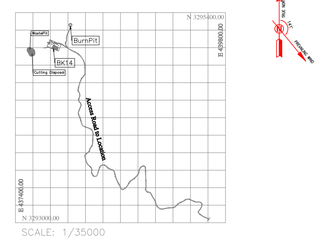
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	29 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	29	D00

0+710.00



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	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	199.67	199.69	199.71	199.73	199.71	199.69	199.67	199.16	199.66									

0+715.70



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
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	200.27	200.17	200.12	200.05		
PROJECT ELEVATION										199.67	199.17	199.79	199.70	199.72	199.74	199.72	199.70	199.68	199.17	199.67									

0+720.00



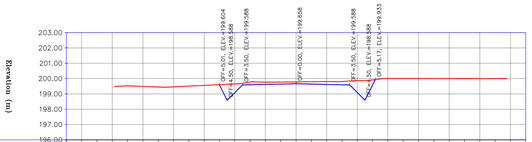
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NATURAL GROUND ELEVATION	199.47	199.52	199.56	199.61	199.65	199.70	199.74	199.79	199.84	199.81	199.79	199.80	199.80	199.81	199.85	199.90	199.91	199.99	200.12	200.18	200.18	200.17	200.17	200.16	200.16	200.18	200.11		
PROJECT ELEVATION										199.67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

0+720.38



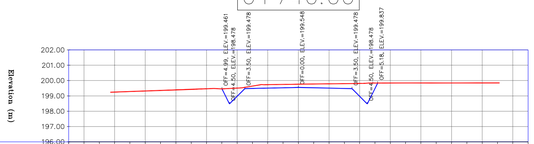
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NATURAL GROUND ELEVATION	199.46	199.51	199.55	199.60	199.64	199.69	199.73	199.78	199.84	199.81	199.79	199.80	199.80	199.80	199.85	199.90	199.91	199.98	200.11	200.17	200.17	200.16	200.16	200.16	200.15	200.20	200.11		
PROJECT ELEVATION										199.67	199.17	199.68	199.70	199.72	199.74	199.72	199.70	199.68	199.17	199.67									

0+730.00



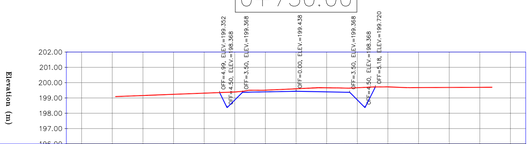
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NATURAL GROUND ELEVATION	199.52	199.49	199.46	199.51	199.56	199.65	199.60	199.77	199.76	199.77	199.78	199.79	199.85	199.81	199.86	199.91	199.91	200.01	200.01	200.01	200.01	200.00	200.00	200.00	200.00	200.00	200.00		
PROJECT ELEVATION										199.59	199.09	199.60	199.62	199.64	199.66	199.64	199.62	199.60	199.09	199.59									

0+740.00



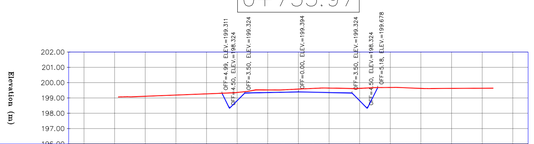
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NATURAL GROUND ELEVATION	199.24	199.28	199.32	199.35	199.39	198.43	199.46	199.51	199.64	199.73	199.75	199.76	199.77	199.78	199.85	199.81	199.84	199.84	199.84	199.84	199.84	199.84	199.84	199.84	199.84	199.85	199.85		
PROJECT ELEVATION										198.98	199.49	199.51	199.53	199.55	199.53	199.51	199.49	199.51	198.98	199.48									

0+750.00



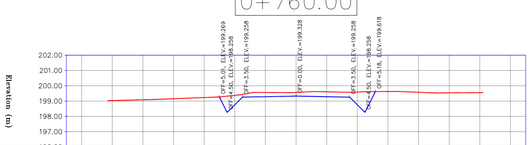
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NATURAL GROUND ELEVATION	199.12	199.16	199.20	199.23	199.27	199.31	199.35	199.39	199.50	199.51	199.55	199.60	199.65	199.66	199.65	199.67	199.72	199.73	199.69	199.68	199.68	199.69	199.69	199.69	199.70				
PROJECT ELEVATION										198.87	199.38	199.40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

0+753.97



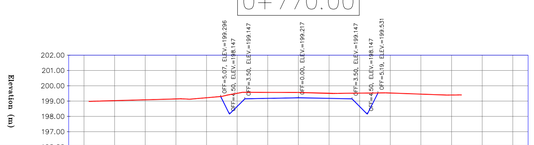
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	199.08	199.11	199.15	199.19	199.23	199.27	199.31	199.36	199.49	199.52	199.53	199.58	199.63	199.63	199.63	199.63	199.62	199.62	199.63	199.63	199.68	199.69	199.66	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										

0+760.00



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	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	199.62	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	199.31	199.29	199.27	198.76	199.26											

0+770.00



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	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	199.49	199.42	199.39									
PROJECT ELEVATION									199.15	198.65	199.16	199.18	199.20	199.22	199.53	199.20	199.18	198.65	199.15										

NOTES

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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

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

KEY PLAN



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	CHECKED	REV. APPR.
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

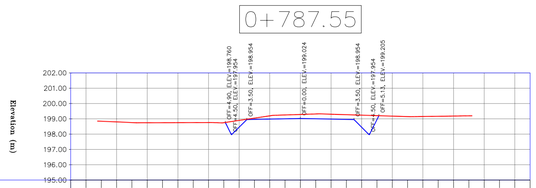
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H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	30 OF 90	D00	053-073-9184	F	4	S	708209	30	D00

0+780.00



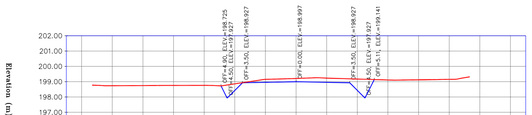
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PROJECT ELEVATION									198.54	199.05	199.07	199.09	199.11	199.09	199.07	199.05	198.54	199.04										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+787.55



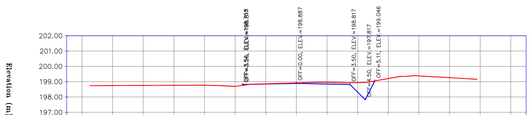
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PROJECT ELEVATION									198.45	198.96	198.98	199.00	199.02	199.00	198.98	198.96	198.45	198.95										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+790.00



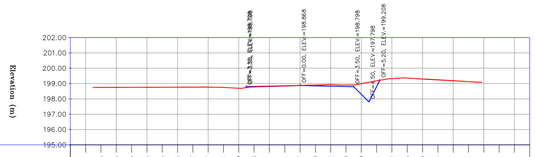
NATURAL GROUND ELEVATION	198.76	198.74	198.74	198.75	198.75	198.76	198.76	198.73	198.86	199.01	199.15	199.18	199.21	199.25	199.23	199.20	199.17	199.14	199.11	199.11	199.12	199.14	199.15	199.26				
PROJECT ELEVATION									198.43	198.94	198.96	198.98	199.00	198.98	198.96	198.94	198.43	198.93										
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

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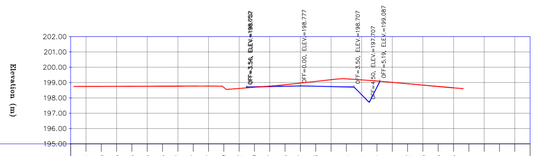
NATURAL GROUND ELEVATION	198.74	198.75	198.75	198.76	198.76	198.77	198.74	198.69	198.83	198.86	198.89	198.92	198.95	198.97	198.94	198.94	199.03	199.21	199.34	199.38	199.32	199.26	199.20					
PROJECT ELEVATION									198.83	198.85	198.87	198.89	198.87	198.85	198.83	198.32	198.82											
DIST. (m)	-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

0+801.72



NATURAL GROUND ELEVATION	198.75	198.75	198.76	198.76	198.77	198.77	198.74	198.69	198.78	198.84	198.87	198.90	198.92	198.90	198.99	199.17	199.32	199.36	199.30	199.24	199.18	199.13						
PROJECT ELEVATION									198.81	198.83	198.85	198.87	198.85	198.83	198.81	198.30	198.80											
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

0+810.00



NATURAL GROUND ELEVATION	198.74	198.75	198.76	198.76	198.77	198.77	198.69	198.62	198.69	198.77	198.86	198.97	199.08	199.19	199.24	199.18	199.10	199.01	198.92	198.83	198.75	198.66						
PROJECT ELEVATION									198.72	198.74	198.76	198.78	198.76	198.74	198.72	198.21	198.71											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+820.00



NATURAL GROUND ELEVATION	198.74	198.75	198.75	198.73	198.62	198.52	198.41	198.13	197.90	197.93	197.98	198.03	198.14	198.42	198.64	198.91	198.81	198.71	198.61	198.51	198.40	198.30	198.20					
PROJECT ELEVATION										198.61	198.63	198.65	198.67	198.65	198.63	198.61	198.10	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

0+825.97



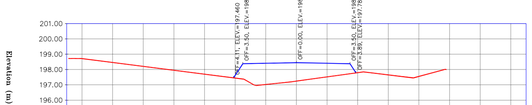
NATURAL GROUND ELEVATION	198.74	198.74	198.72	198.60	198.48	198.36	198.25	198.13	197.78	197.54	197.29	197.23	197.41	197.69	197.91	198.11	198.44	198.66	198.55	198.45	198.34	198.24	198.13	198.03	197.92			
PROJECT ELEVATION									197.77	198.54	198.56	198.58	198.60	198.58	198.56	198.54	198.03											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+830.00



NATURAL GROUND ELEVATION	198.72	198.60	198.48	198.36	198.23	198.11	197.99	197.76	197.40	197.15	196.95	197.16	197.37	197.58	197.78	197.88	198.20	198.51	198.40	198.29	198.19	198.08	197.98	197.87	197.77			
PROJECT ELEVATION										197.73	198.50	198.52	198.54	198.56	198.54	198.52	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+840.00



NATURAL GROUND ELEVATION	198.72	198.59	198.46	198.34	198.21	198.08	197.95	197.83	197.70	197.57	197.45	197.13	197.02	197.13	197.24	197.38	197.52	197.66	197.80	197.77	197.65	197.53	197.55	197.82				
PROJECT ELEVATION										197.62	198.39	198.41	198.43	198.45	198.43	198.41	198.39											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.

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

3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

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

5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

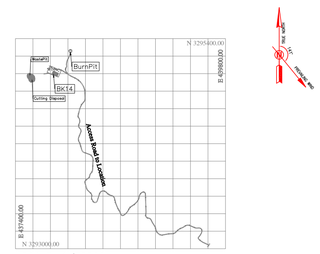
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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.
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
***	**********				**.**	***.****
REV.	DESCRIPTION		BY	DATE	BY	DATE
			CHECKED		REV. APPR.	

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

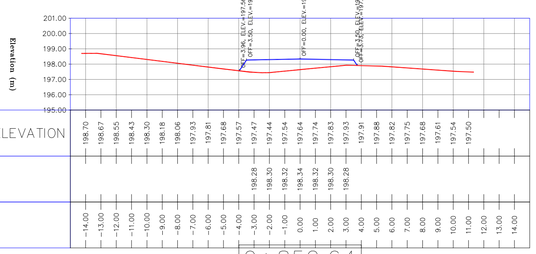
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	31 OF 90	D00

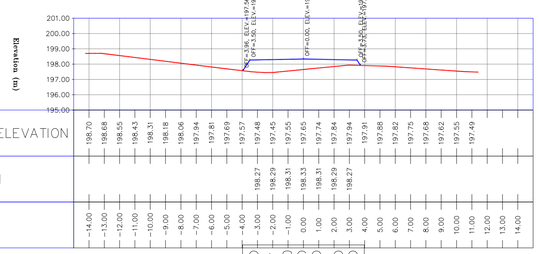
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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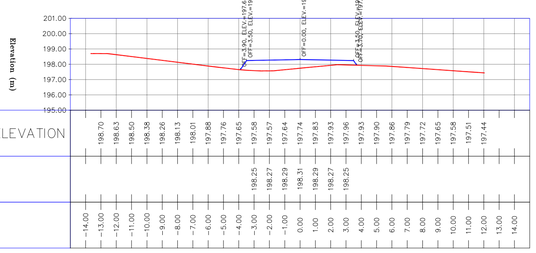
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NATURAL GROUND ELEVATION	198.70	198.67	198.55	198.43	198.30	198.18	198.06	197.93	197.81	197.68	197.57	197.47	197.44	197.54	197.64	197.74	197.83	197.93	197.91	197.88	197.82	197.75	197.68	197.61	197.54	197.50			
PROJECT ELEVATION											198.28	198.30	198.32	198.34	198.32	198.30	198.28												

0+850.22



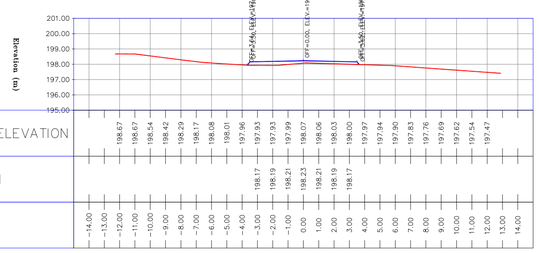
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NATURAL GROUND ELEVATION	198.70	198.68	198.55	198.43	198.31	198.18	198.06	197.94	197.81	197.69	197.57	197.48	197.45	197.55	197.65	197.74	197.84	197.94	197.91	197.88	197.82	197.75	197.68	197.62	197.55	197.49			
PROJECT ELEVATION											198.27	198.29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

0+852.64



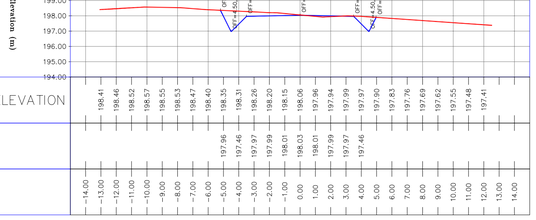
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NATURAL GROUND ELEVATION	198.70	198.63	198.50	198.38	198.26	198.13	198.01	197.88	197.76	197.65	197.58	197.57	197.64	197.74	197.83	197.93	197.96	197.93	197.90	197.86	197.79	197.72	197.65	197.58	197.51	197.44			
PROJECT ELEVATION											198.25	198.27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

0+860.00



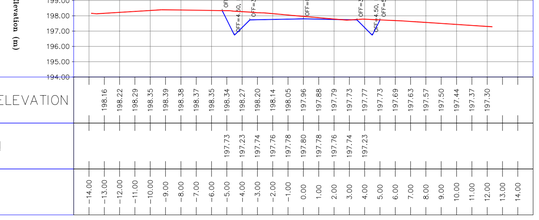
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NATURAL GROUND ELEVATION	198.67	198.67	198.54	198.42	198.29	198.17	198.08	198.01	197.96	197.93	197.93	197.99	198.07	198.06	198.03	198.00	197.97	197.94	197.90	197.83	197.76	197.69	197.62	197.54	197.47				
PROJECT ELEVATION											198.17	198.19	198.21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

0+870.00



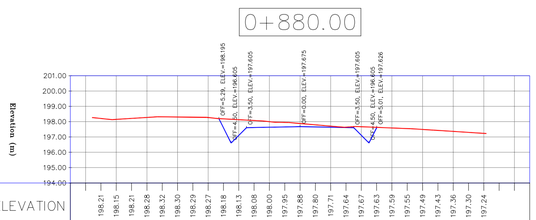
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NATURAL GROUND ELEVATION	198.41	198.46	198.52	198.57	198.53	198.47	198.40	198.35	198.31	198.26	198.20	198.15	198.06	197.96	197.94	197.99	197.97	197.90	197.83	197.76	197.69	197.62	197.55	197.48	197.41				
PROJECT ELEVATION											197.96	197.97	197.99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

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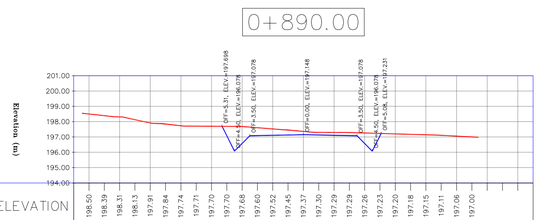
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NATURAL GROUND ELEVATION	198.16	198.22	198.29	198.35	198.39	198.38	198.37	198.35	198.34	198.27	198.20	198.14	198.05	197.96	197.88	197.79	197.73	197.77	197.73	197.69	197.63	197.57	197.50	197.44	197.37	197.30			
PROJECT ELEVATION											197.73	197.23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

0+880.00



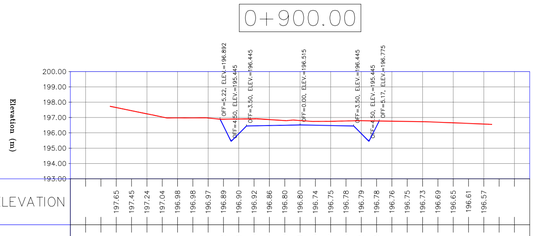
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NATURAL GROUND ELEVATION	198.21	198.15	198.21	198.28	198.32	198.30	198.29	198.27	198.18	198.13	198.08	198.00	197.95	197.88	197.80	197.71	197.64	197.67	197.63	197.59	197.55	197.49	197.43	197.36	197.30	197.24			
PROJECT ELEVATION											197.60	197.61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

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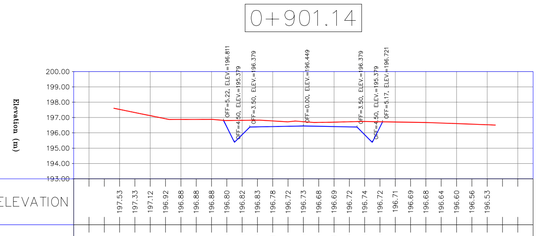
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	198.50	198.39	198.31	198.13	197.91	197.84	197.74	197.71	197.70	197.70	197.68	197.60	197.52	197.45	197.37	197.30	197.29	197.29	197.26	197.23	197.18	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



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	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	197.65	197.45	197.24	197.04	196.98	196.98	196.97	196.89	196.90	196.92	196.92	196.86	196.80	196.80	196.80	196.74	196.75	196.78	196.79	196.78	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



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	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	197.53	197.33	197.12	196.92	196.88	196.88	196.88	196.80	196.82	196.83	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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	32 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

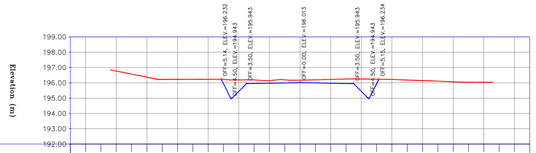
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

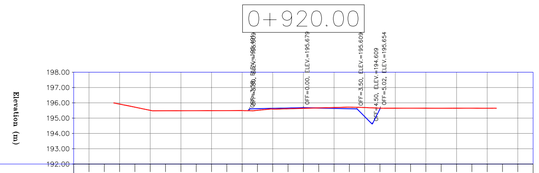
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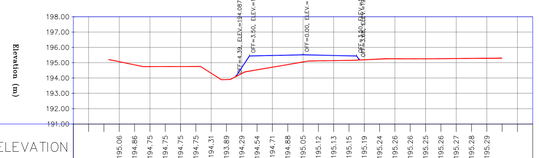
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		196.77
-13.00		196.57
-12.00		196.37
-11.00		196.22
-10.00		196.23
-9.00		196.23
-8.00		196.23
-7.00		196.19
-6.00		196.19
-5.00	195.84	196.14
-4.00	195.44	196.20
-3.00	195.95	196.17
-2.00	195.97	196.20
-1.00	195.99	196.22
0.00	196.01	196.25
1.00	195.99	196.24
2.00	195.97	196.18
3.00	195.95	196.14
4.00	195.44	196.11
5.00	195.94	196.07
6.00		196.04
7.00		196.04
8.00		
9.00		
10.00		
11.00		
12.00		
13.00		
14.00		

0+920.00



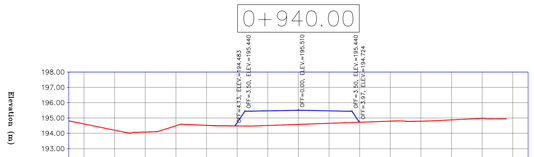
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-12.00		195.51
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-10.00		195.49
-9.00		195.49
-8.00		195.50
-7.00		195.50
-6.00		195.51
-5.00		195.59
-4.00		195.61
-3.00	195.62	195.64
-2.00	195.64	195.67
-1.00	195.66	195.69
0.00	195.68	195.72
1.00	195.66	195.69
2.00	195.64	195.66
3.00	195.62	195.65
4.00	195.11	195.65
5.00	195.61	195.65
6.00		195.65
7.00		195.65
8.00		195.65
9.00		195.65
10.00		195.65
11.00		195.65
12.00		195.65
13.00		
14.00		

0+930.00



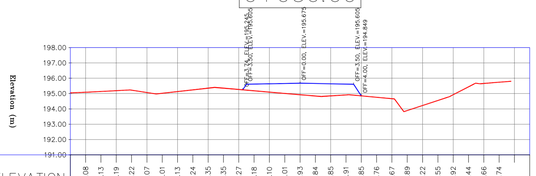
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-12.00		194.75
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-10.00		194.75
-9.00		194.75
-8.00		194.75
-7.00		194.31
-6.00		193.89
-5.00		194.29
-4.00	194.68	194.54
-3.00	195.45	194.71
-2.00	195.47	194.88
-1.00	195.49	195.05
0.00	195.51	195.12
1.00	195.49	195.13
2.00	195.47	195.15
3.00	195.45	195.19
4.00		195.24
5.00		195.26
6.00		195.26
7.00		195.25
8.00		195.26
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11.00		195.28
12.00		195.29
13.00		
14.00		

0+940.00



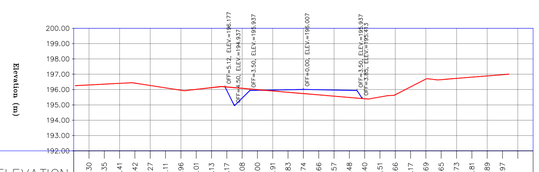
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		194.61
-13.00		194.41
-12.00		194.21
-11.00		194.02
-10.00		194.08
-9.00		194.18
-8.00		194.50
-7.00		194.72
-6.00		194.52
-5.00		194.49
-4.00	194.68	194.48
-3.00	195.45	194.47
-2.00	195.47	194.51
-1.00	195.49	194.54
0.00	195.51	194.58
1.00	195.49	194.62
2.00	195.47	194.65
3.00	195.45	194.68
4.00		194.72
5.00		194.76
6.00		194.80
7.00		194.79
8.00		194.79
9.00		194.83
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13.00		194.94
14.00		

0+950.00



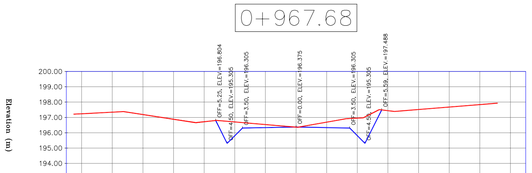
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		195.08
-13.00		195.13
-12.00		195.19
-11.00		195.22
-10.00		195.07
-9.00		195.01
-8.00		195.13
-7.00		195.24
-6.00		195.35
-5.00		195.35
-4.00		195.27
-3.00	195.62	195.18
-2.00	195.64	195.10
-1.00	195.66	195.01
0.00	195.68	194.93
1.00	195.66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

0+960.00



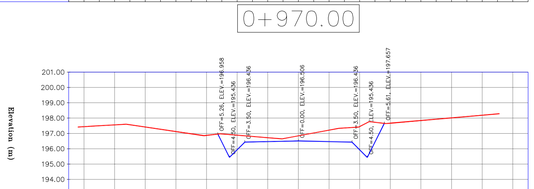
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		196.30
-13.00		196.35
-12.00		196.41
-11.00		196.42
-10.00		196.27
-9.00		196.11
-8.00		195.96
-7.00		196.01
-6.00		196.13
-5.00		196.17
-4.00	195.94	196.08
-3.00	195.44	196.00
-2.00	195.95	195.91
-1.00	195.97	195.83
0.00	195.99	195.74
1.00	196.01	195.66
2.00	195.99	195.57
3.00	195.97	195.48
4.00	195.95	195.40
5.00		195.51
6.00		195.66
7.00		196.17
8.00		196.69
9.00		196.65
10.00		196.73
11.00		196.81
12.00		196.89
13.00		196.97
14.00		

0+967.68



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		197.24
-13.00		197.29
-12.00		197.34
-11.00		197.34
-10.00		197.19
-9.00		197.03
-8.00		196.88
-7.00		196.73
-6.00		196.72
-5.00		196.79
-4.00	196.31	196.71
-3.00	195.81	196.62
-2.00	196.32	196.54
-1.00	196.34	196.45
0.00	196.35	196.37
1.00	196.36	196.51
2.00	196.34	196.69
3.00	196.32	196.87
4.00	195.81	196.95
5.00	196.31	197.29
6.00		197.44
7.00		197.43
8.00		197.51
9.00		197.59
10.00		197.68
11.00		197.76
12.00		197.84
13.00		197.92
14.00		

0+970.00



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		197.44
-13.00		197.50
-12.00		197.56
-11.00		197.56
-10.00		197.42
-9.00		197.27
-8.00		197.12
-7.00		196.98
-6.00		196.87
-5.00		196.97
-4.00	196.44	196.88
-3.00	195.94	196.80
-2.00	196.45	196.72
-1.00	196.47	196.66
0.00	196.49	196.84
1.00	196.51	197.03
2.00	196.49	197.22
3.00	196.47	197.36
4.00	196.45	197.44
5.00	195.94	197.73
6.00	196.44	197.67
7.00		197.75
8.00		197.84
9.00		197.93
10.00		198.01
11.00		198.10
12.00		198.19
13.00		198.27
14.00		

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VERTICAL DATUM:	MSL

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LEGEND

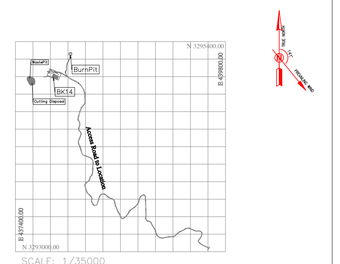
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
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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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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.
***	**********	** **	*** ****	** **	*** ****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

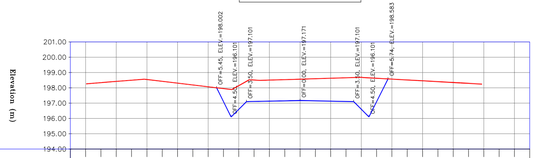
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	33 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	33	D00

0+980.00



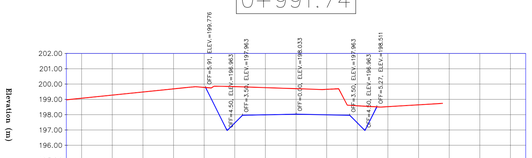
NATURAL GROUND ELEVATION	198.34	198.42	198.50	198.55	198.43	198.31	198.19	198.07	197.95	198.14	198.51	198.50	198.53	198.56	198.60	198.63	198.66	198.69	198.62	198.57	198.51	198.46	198.40	198.35	198.29			
PROJECT ELEVATION									197.10	196.60	197.11	197.13	197.15	197.17	197.15	197.13	197.11	196.60	197.10									
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+990.00



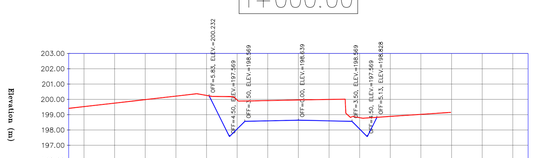
NATURAL GROUND ELEVATION	198.96	199.06	199.16	199.26	199.36	199.46	199.56	199.60	199.51	199.66	199.64	199.60	199.56	199.52	199.49	199.46	199.51	199.14	198.59	198.53	198.47	198.49	198.55	198.61				
PROJECT ELEVATION									197.84	197.34	197.85	197.87	197.87	197.89	197.91	197.89	197.87	197.85	197.74	197.84								
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

0+991.74



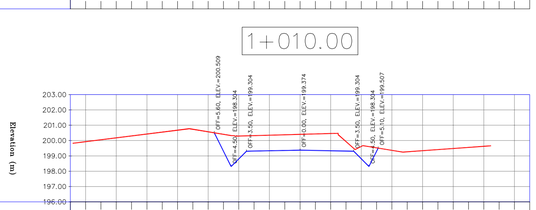
NATURAL GROUND ELEVATION	199.07	199.17	199.28	199.38	199.48	199.58	199.68	199.79	199.78	199.85	199.83	199.80	199.76	199.73	199.70	199.66	199.65	199.28	198.58	198.53	198.58	198.64	198.70					
PROJECT ELEVATION									197.96	197.46	197.97	197.99	198.01	198.03	198.01	197.99	197.97	197.46	197.96									
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+000.00



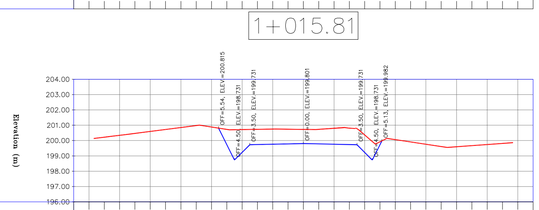
NATURAL GROUND ELEVATION	199.52	199.64	199.75	199.87	199.98	200.10	200.21	200.33	200.26	200.19	199.96	199.90	199.92	199.94	199.96	199.98	200.00	200.02	198.80	198.82	198.89	198.95	199.02	199.09				
PROJECT ELEVATION									198.57	198.07	198.58	198.60	198.62	198.64	198.62	198.60	198.58	198.07	198.57									
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

1+010.00



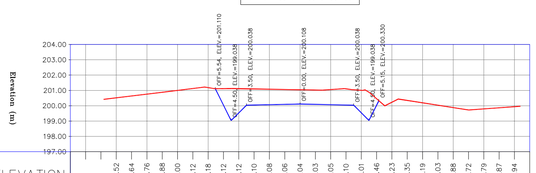
NATURAL GROUND ELEVATION	199.92	200.05	200.17	200.30	200.43	200.55	200.68	200.74	200.57	200.41	200.29	200.32	200.35	200.38	200.40	200.43	200.46	199.84	199.62	199.52	199.36	199.26	199.34	199.41	199.48	199.55	199.63	
PROJECT ELEVATION									199.30	198.80	199.31	199.33	199.35	199.37	199.35	199.33	199.31	198.80	199.30									
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+015.81



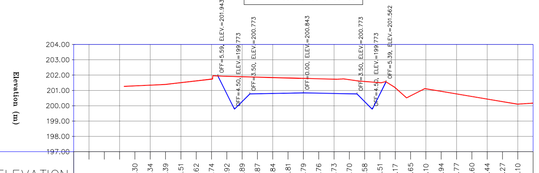
NATURAL GROUND ELEVATION	200.22	200.34	200.46	200.59	200.72	200.85	200.98	200.89	200.73	200.72	200.73	200.75	200.74	200.73	200.73	200.80	200.81	200.37	199.92	200.06	199.91	199.76	199.61	199.59	199.67	199.74	199.82	
PROJECT ELEVATION									199.73	199.23	199.74	199.76	199.78	199.80	199.78	199.76	199.74	199.23	199.73									
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+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	201.10	201.01	200.46	200.23	200.35	200.19	200.03	199.88	199.72	199.79	199.87	199.94	
PROJECT ELEVATION								200.04	199.54	200.05	200.07	200.09	200.11	200.09	200.07	200.05	200.10	199.54	200.04									
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

1+030.00



NATURAL GROUND ELEVATION	201.30	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								200.77	200.27	200.78	200.80	200.82	200.84	200.82	200.80	200.78	200.27	200.77										
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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

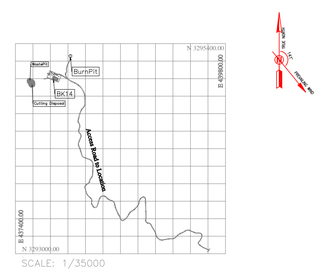
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

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

KEY PLAN



REV.	DESCRIPTION	BY	DATE	CHECKED	DATE	REV. APPR.
***	**********	**.**	***.****	**.**	***.****	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	34 OF 90	D00

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

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

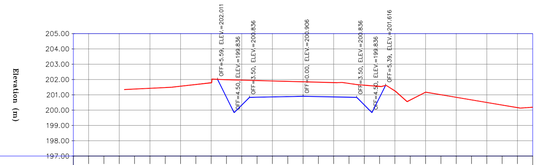
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

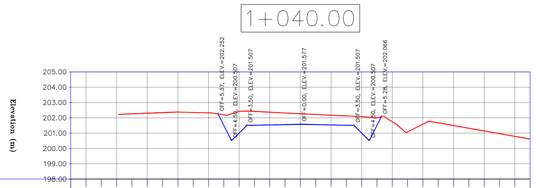
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	34	D00

1+030.86



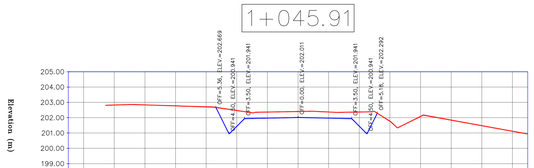
NATURAL GROUND ELEVATION	201.38	201.42	201.47	201.56	201.67	201.79	201.99	201.96	201.93	201.90	201.88	201.85	201.82	201.79	201.74	201.63	201.55	201.26	200.66	201.17	201.01	200.84	200.67	200.50	200.33	200.17
PROJECT ELEVATION							200.84	200.34	200.85	200.87	200.89	200.91	200.89	200.87	200.85	200.34	200.84									
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+040.00



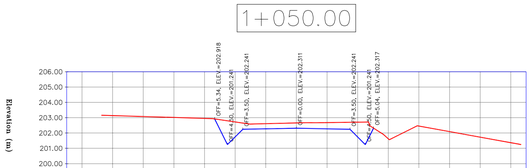
NATURAL GROUND ELEVATION	202.26	202.30	202.34	202.38	202.35	202.33	202.20	202.43	202.42	202.37	202.32	202.27	202.22	202.17	202.12	202.07	201.99	201.75	201.08	201.59	201.67	201.50	201.32	201.14	200.97	200.79
PROJECT ELEVATION							201.51	201.01	201.52	201.54	202.32	201.58	201.56	201.54	201.52	201.01	201.51									
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+045.91



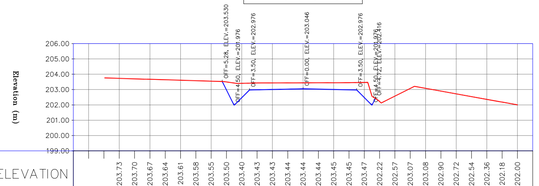
NATURAL GROUND ELEVATION	202.82	202.85	202.83	202.80	202.77	202.74	202.71	202.62	202.47	202.33	202.37	202.39	202.40	202.42	202.37	202.35	202.37	202.40	201.77	201.58	202.08	202.02	201.84	201.66	201.48	201.30	201.12
PROJECT ELEVATION								201.94	201.44	201.95	201.97	201.99	202.01	201.99	201.97	201.95	201.44	201.94									
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

1+050.00



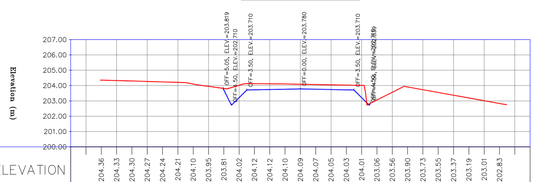
NATURAL GROUND ELEVATION	203.14	203.11	203.07	203.04	203.01	202.98	202.95	202.87	202.72	202.59	202.61	202.64	202.66	202.67	202.68	202.69	202.71	202.34	201.62	202.03	202.45	202.27	202.09	201.91	201.73	201.55	201.37
PROJECT ELEVATION								202.24	201.74	202.25	202.27	202.29	202.31	202.29	202.27	202.25	201.74	202.24									
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

1+060.00



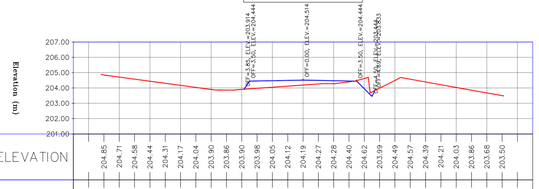
NATURAL GROUND ELEVATION	203.73	203.70	203.67	203.64	203.61	203.58	203.55	203.50	203.40	203.43	203.43	203.44	203.44	203.45	203.45	203.47	202.22	202.57	203.07	203.08	202.90	202.72	202.54	202.36	202.18	202.00
PROJECT ELEVATION								202.98	202.48	202.99	203.01	203.03	203.05	203.03	203.01	202.99	202.48	202.98									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+070.00



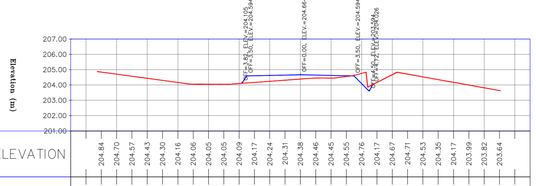
NATURAL GROUND ELEVATION	204.36	204.33	204.30	204.27	204.24	204.21	204.10	203.85	204.02	204.12	203.74	204.12	204.10	204.09	204.07	204.05	204.03	204.01	203.06	203.56	203.90	203.73	203.55	203.37	203.19	203.01	202.83
PROJECT ELEVATION								203.71	203.21	203.72	203.74	203.76	203.78	203.76	203.74	203.72	203.21										
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+080.00



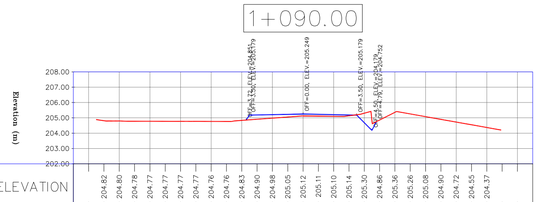
NATURAL GROUND ELEVATION	204.85	204.71	204.58	204.44	204.31	204.17	204.04	203.90	203.86	203.90	203.98	204.05	204.12	204.19	204.27	204.28	204.40	204.62	203.99	204.49	204.57	204.39	204.21	204.03	203.86	203.68	203.50
PROJECT ELEVATION										204.45	204.47	204.49	204.51	204.49	204.47	204.45	204.45	203.94									
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

1+082.03



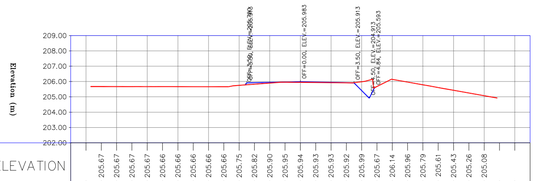
NATURAL GROUND ELEVATION	204.84	204.70	204.57	204.43	204.30	204.16	204.06	204.05	204.05	204.09	204.17	204.24	204.31	204.38	204.46	204.45	204.55	204.76	204.17	204.67	204.71	204.53	204.35	204.17	203.99	203.82	203.64
PROJECT ELEVATION										204.60	204.62	204.64	204.66	204.64	204.62	204.60	204.09										
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

1+090.00



NATURAL GROUND ELEVATION	204.82	204.80	204.78	204.77	204.77	204.77	204.76	204.76	204.83	204.90	204.98	205.05	205.12	205.11	205.10	205.14	205.10	204.86	205.26	205.08	204.90	204.72	204.55	204.37
PROJECT ELEVATION									205.19	205.21	205.23	205.25	205.23	205.21	205.19	205.12	204.68							
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

1+100.00



NATURAL GROUND ELEVATION	205.67	205.67	205.67	205.67	205.66	205.66	205.66	205.66	205.66	205.75	205.82	205.90	205.95	205.98	205.94	205.93	205.94	205.92	205.99	205.67	206.14	205.96	205.79	205.61	205.43	205.26	205.08
PROJECT ELEVATION										205.92	205.94	205.96	205.98	205.96	205.94	205.92	205.92	205.41									
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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

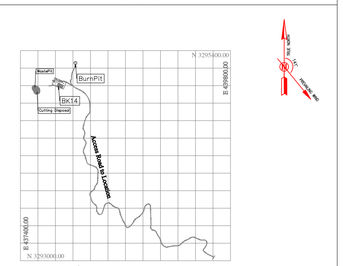
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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

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	CHECKED	REV. APPR.
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	35 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	35	D00

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									206.15	206.66	206.74	206.70	206.72	206.70	206.68	206.66	206.15	206.85												
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+118.15



NATURAL GROUND ELEVATION	207.28	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	207.42	207.41	207.40	207.47	207.30	207.12	206.95	206.77	206.60	206.42	206.24				
PROJECT ELEVATION									207.22	206.72	207.23	207.25	207.27	207.29	207.27	207.25	207.23	206.72	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	

1+120.00



NATURAL GROUND ELEVATION	207.40	207.40	207.41	207.41	207.42	207.42	207.43	207.43	207.52	207.60	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									207.34	206.84	207.35	207.37	207.39	207.41	207.39	207.37	207.35	206.84	207.34											
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+130.00



NATURAL GROUND ELEVATION	207.99	208.01	208.04	208.06	208.09	208.11	208.15	208.21	208.28	208.38	208.55	208.42	208.42	208.40	208.28	208.30	208.33	208.36	208.38	208.39	208.36	208.34	208.33	208.32	208.31	208.21	208.08	207.92	207.77	
PROJECT ELEVATION									207.86	207.36	207.87	207.89	207.91	207.93	207.91	207.89	207.87	207.36	207.86											
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+137.09



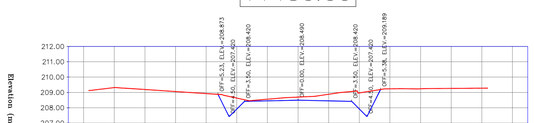
NATURAL GROUND ELEVATION	208.38	208.42	208.46	208.54	208.63	208.72	208.81	208.90	208.83	208.46	208.44	208.47	208.54	208.56	208.59	208.62	208.65	208.68	208.66	208.65	208.65	208.64	208.64	208.64	208.63					
PROJECT ELEVATION									208.14	207.64	208.15	208.17	208.19	208.19	208.21	208.19	208.17	208.15	207.64	208.14										
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	

1+140.00



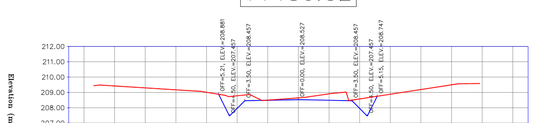
NATURAL GROUND ELEVATION	208.54	208.58	208.67	208.77	208.86	208.96	208.97	208.90	208.83	208.48	208.45	208.49	208.58	208.66	208.70	208.73	208.77	208.80	208.78	208.78	208.78	208.78	208.78	208.78	208.78					
PROJECT ELEVATION									208.23	207.73	208.24	208.26	208.28	208.28	208.30	208.28	208.26	208.24	207.73	208.23										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

1+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									208.42	207.92	208.43	208.45	208.47	208.49	208.47	208.45	208.43	207.92	208.42											
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	

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	208.57	208.65	208.53	208.51	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.

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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.
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- 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

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

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

PROJECT NO.: 971020

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

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EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

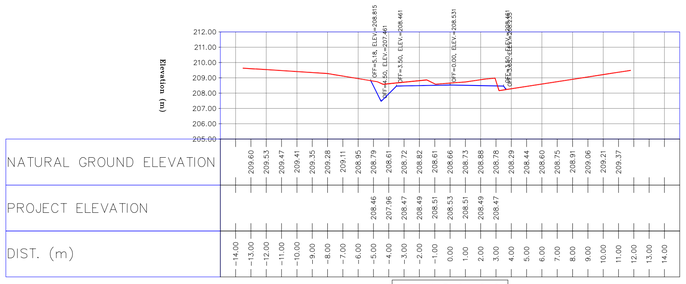
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	36 OF 90	D00

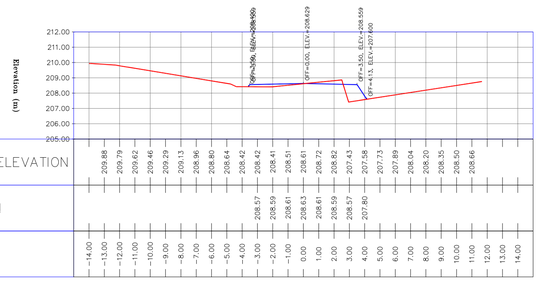
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	36	D00

1+160.00



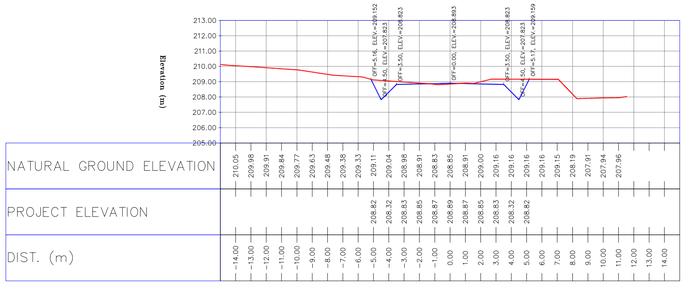
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NATURAL GROUND ELEVATION	209.60	209.53	209.47	209.41	209.35	209.28	209.11	208.95	208.79	208.61		208.72	208.82	208.61	208.66	208.73	208.88	208.78	208.29	208.44	208.60	208.75	208.91	209.06	209.21	209.37			
PROJECT ELEVATION										208.46	207.96	208.47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

1+170.00



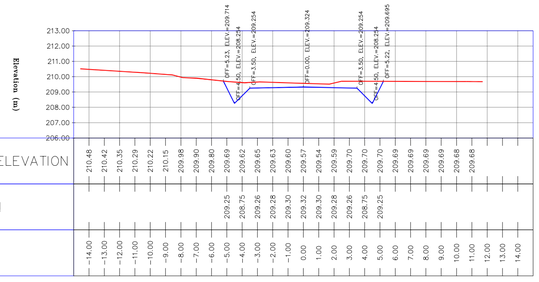
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	209.88	209.79	209.62	209.46	209.29	209.13	208.96	208.80	208.64	208.42		208.42	208.41	208.51	208.61	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	208.59	208.61	208.63	208.61	208.61	208.59	208.57	207.80										

1+180.00



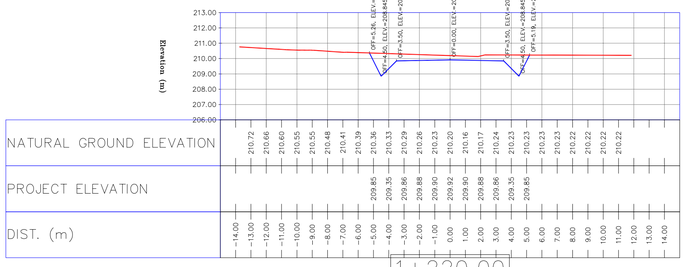
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NATURAL GROUND ELEVATION	210.05	209.98	209.91	209.84	209.77	209.63	209.48	209.38	209.33	209.11	209.04	208.98	208.91	208.83	208.85	208.91	209.00	209.16	209.16	209.16	209.15	208.19	207.91	207.94	207.96				
PROJECT ELEVATION										208.82	208.32	208.83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

1+190.00



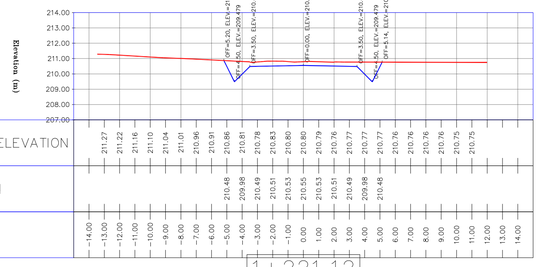
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NATURAL GROUND ELEVATION	210.48	210.42	210.35	210.29	210.22	210.15	209.98	209.90	209.82	209.69	209.62	209.65	209.63	209.60	209.57	209.54	209.59	209.70	209.70	209.69	209.69	209.69	209.69	209.68	209.68				
PROJECT ELEVATION										209.25	208.75	209.26	209.28	209.30	209.32	209.30	209.28	209.26	208.75	209.25									

1+200.00



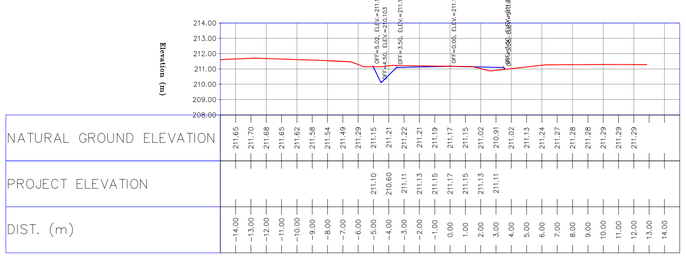
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NATURAL GROUND ELEVATION	210.72	210.66	210.60	210.55	210.48	210.41	210.39	210.36	210.33	210.29	210.26	210.23	210.20	210.16	210.17	210.24	210.23	210.23	210.23	210.22	210.22	210.22	210.22						
PROJECT ELEVATION									209.85	209.35	209.86	209.88	209.90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

1+210.00



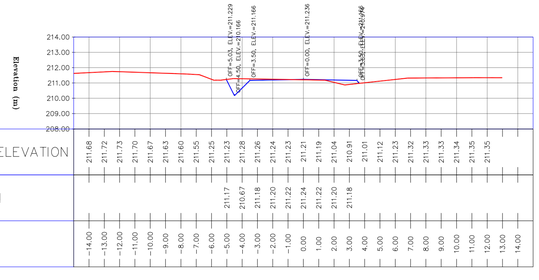
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	211.27	211.22	211.16	211.10	211.04	211.01	210.96	210.91	210.86	210.81	210.78	210.83	210.80	210.80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

1+220.00



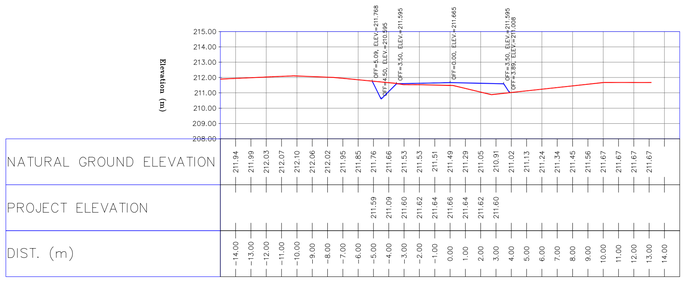
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NATURAL GROUND ELEVATION	211.65	211.70	211.68	211.65	211.62	211.58	211.54	211.49	211.29	211.15	211.21	211.22	211.21	211.19	211.17	211.15	211.02	210.91	211.02	211.13	211.24	211.27	211.28	211.29	211.29	211.29			
PROJECT ELEVATION										211.10	210.60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

1+221.12



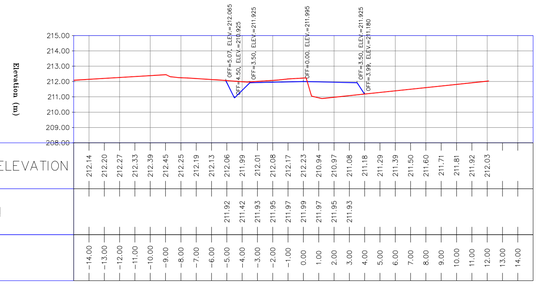
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NATURAL GROUND ELEVATION	211.68	211.72	211.73	211.70	211.67	211.63	211.60	211.55	211.25	211.23	211.28	211.26	211.24	211.23	211.21	211.19	211.04	210.91	211.01	211.12	211.23	211.32	211.33	211.33	211.34	211.35	211.35		
PROJECT ELEVATION										211.17	210.67	211.18	211.20	211.22	211.24	211.22	211.20	211.18											

1+230.00



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	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											

1+240.00



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	212.14	212.20	212.27	212.33	212.39	212.45	212.25	212.19	212.13	212.06	211.99	212.01	211.93	211.95	211.97	212.17	212.23	211.94	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											

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

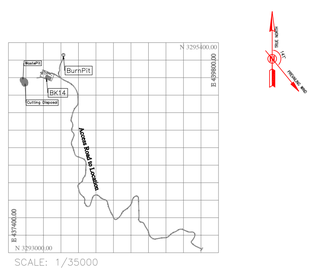
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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	CHECKED	REV. APPR.
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

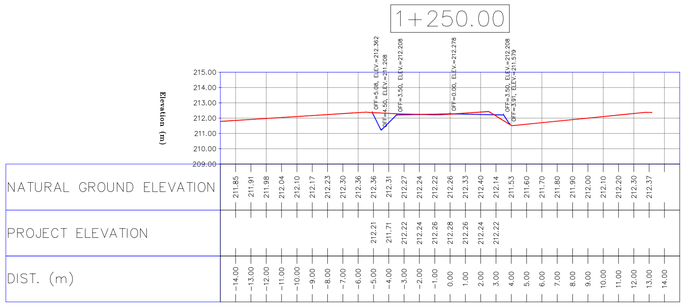
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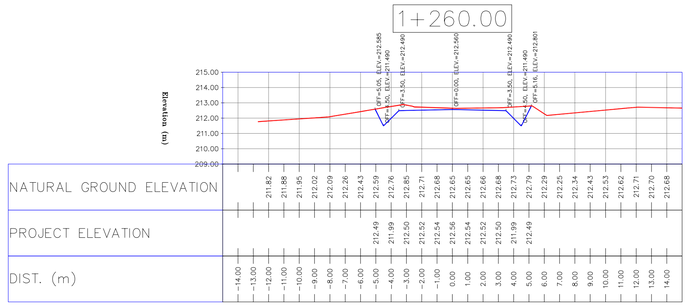
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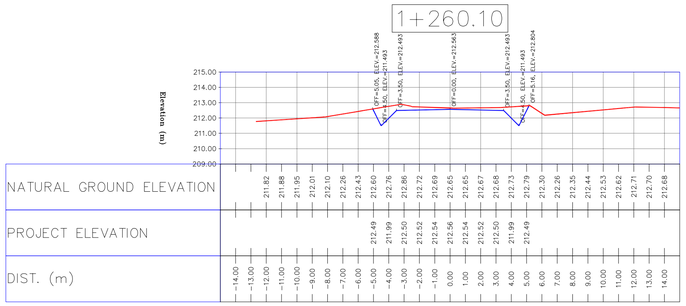
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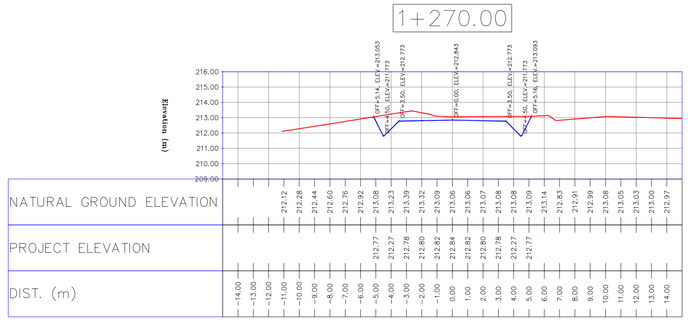
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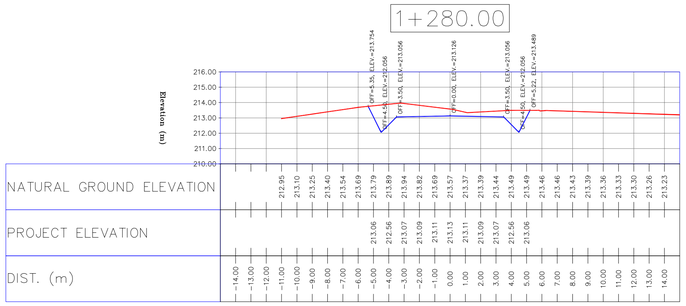
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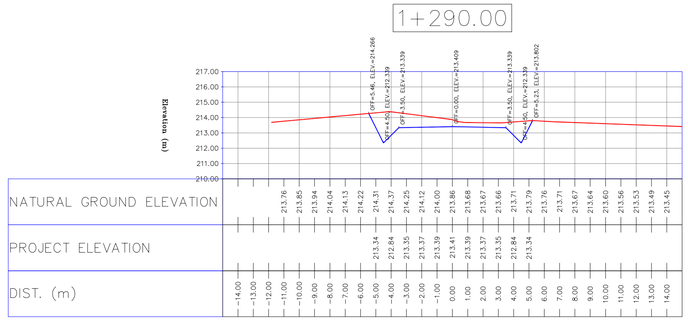


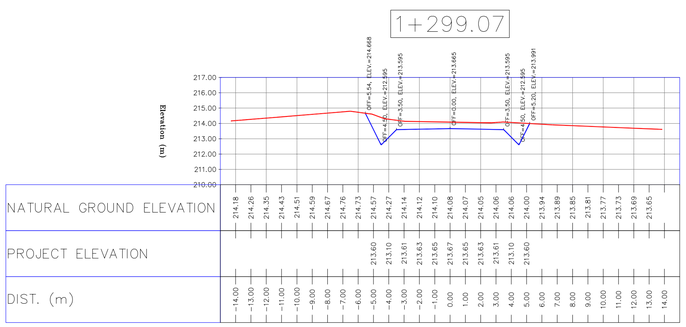


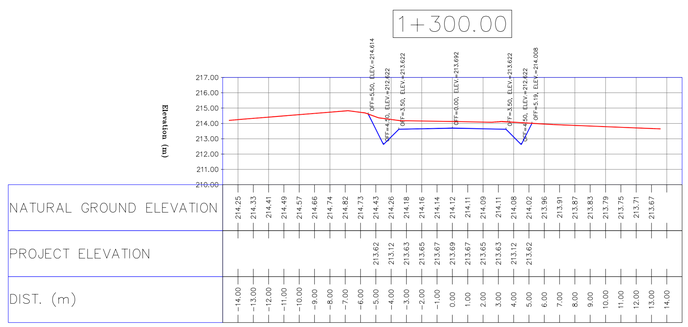












NOTES

1–ALL COORDINATES AND ELEVATIONS ARE IN METER.

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

3–GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

4–THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
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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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

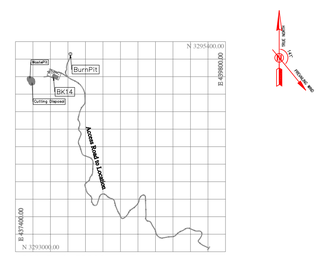
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

PT= POINT
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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.	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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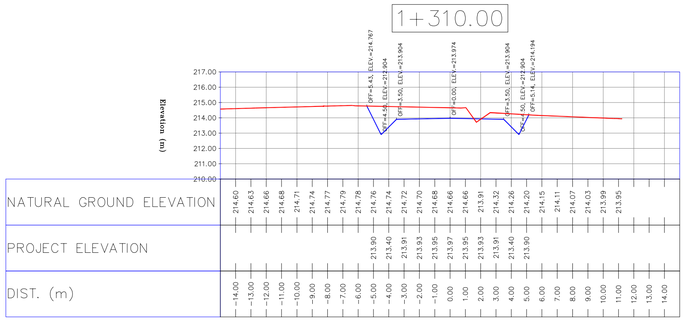
اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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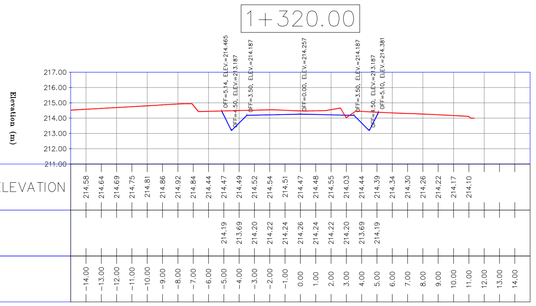
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

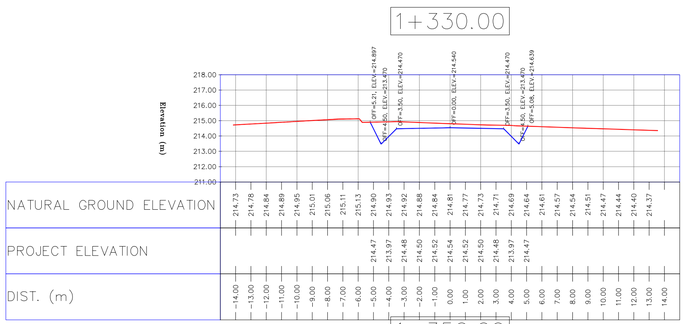
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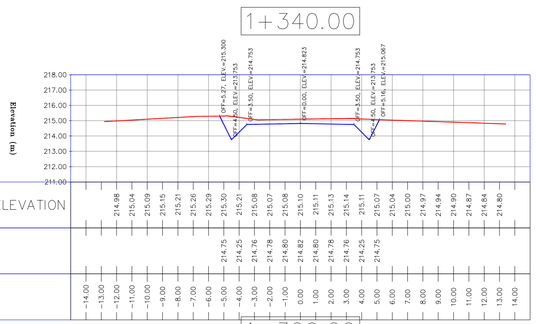
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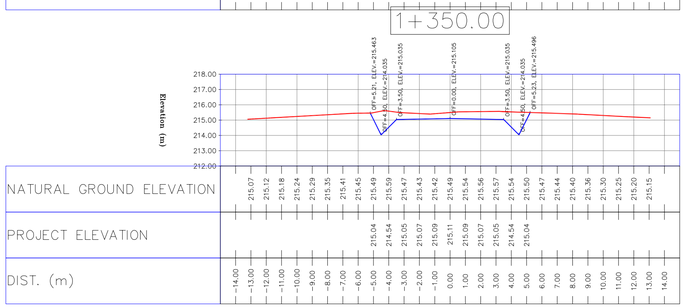
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053–073–9184	F	4	S	708209	38	D00

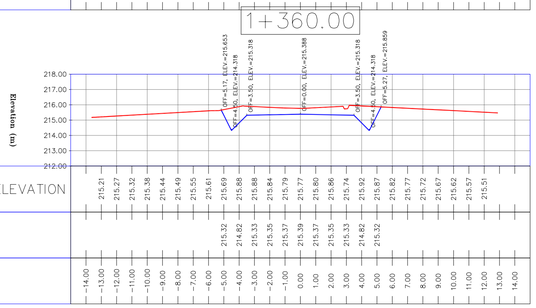


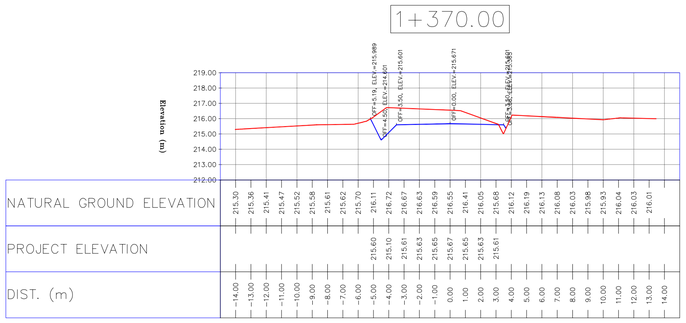


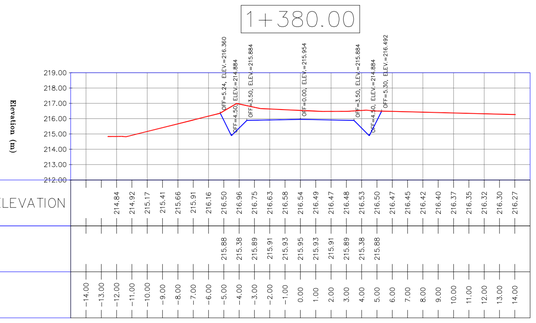


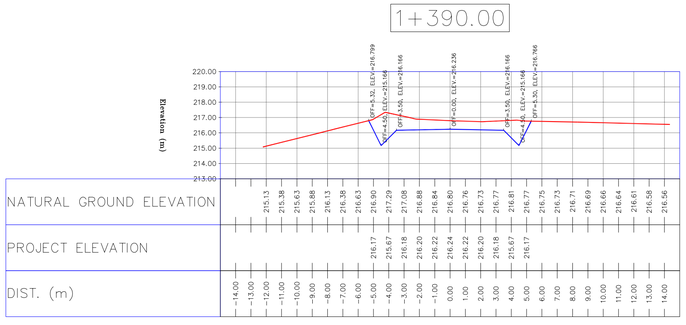


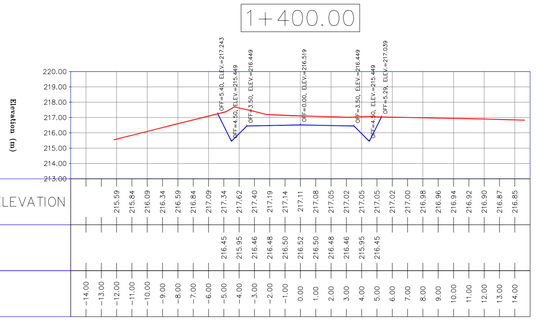












NOTES

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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:

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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:
- 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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

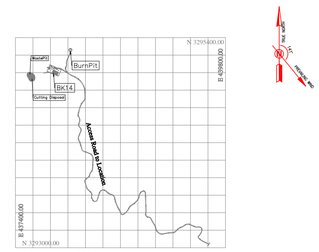
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

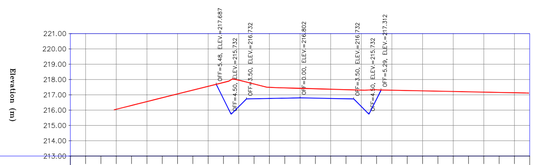
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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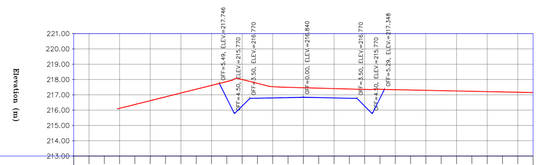
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1+410.00



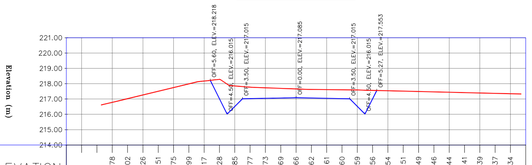
NATURAL GROUND ELEVATION	216.06	216.31	216.56	216.81	217.06	217.31	217.56	217.81	217.95	217.71	217.49	217.45	217.42	217.39	217.37	217.34	217.31	217.33	217.30	217.28	217.26	217.24	217.22	217.20	217.18	217.15	217.13
PROJECT ELEVATION								216.73	216.23	216.74	216.76	216.78	216.80	216.78	216.76	216.74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



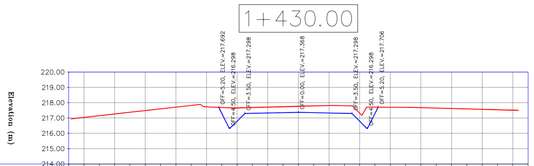
NATURAL GROUND ELEVATION	216.12	216.37	216.62	216.87	217.12	217.37	217.62	217.87	218.00	217.75	217.53	217.49	217.47	217.44	217.41	217.38	217.35	217.36	217.33	217.31	217.29	217.27	217.25	217.23	217.21	217.19	217.17
PROJECT ELEVATION								216.77	216.27	216.78	216.80	216.82	216.84	216.82	216.80	216.78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



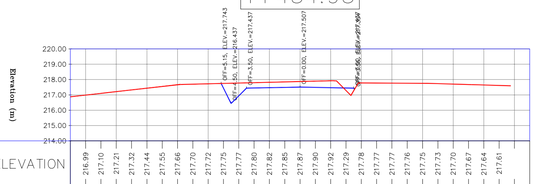
NATURAL GROUND ELEVATION	216.78	217.02	217.28	217.51	217.75	217.99	218.17	218.28	217.85	217.77	217.73	217.69	217.66	217.62	217.61	217.60	217.59	217.56	217.54	217.51	217.49	217.46	217.44	217.41	217.39	217.37	217.34
PROJECT ELEVATION								217.01	216.51	217.02	217.04	217.06	217.08	217.06	217.04	217.02	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



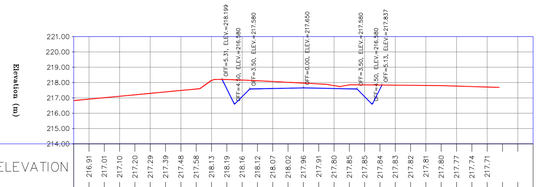
NATURAL GROUND ELEVATION	217.04	217.15	217.26	217.37	217.49	217.60	217.71	217.82	217.73	217.68	217.66	217.69	217.71	217.74	217.76	217.79	217.82	217.81	217.32	217.71	217.70	217.70	217.68	217.65	217.62	217.60	217.57	217.54	217.51
PROJECT ELEVATION										217.30	216.80	217.33	217.35	217.37	217.35	217.33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



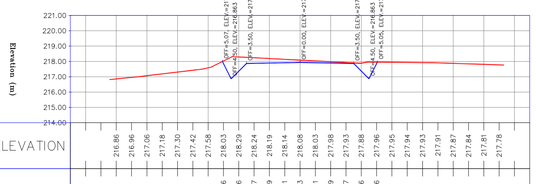
NATURAL GROUND ELEVATION	216.99	217.10	217.21	217.32	217.44	217.55	217.66	217.70	217.72	217.75	217.77	217.80	217.82	217.85	217.87	217.90	217.92	217.39	217.78	217.77	217.77	217.76	217.75	217.73	217.70	217.67	217.64	217.61
PROJECT ELEVATION										217.44	216.94	217.45	217.47	217.49	217.51	217.49	217.47	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



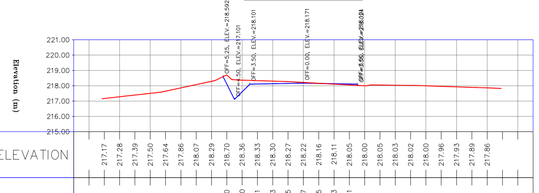
NATURAL GROUND ELEVATION	216.91	217.01	217.10	217.20	217.29	217.39	217.48	217.58	218.13	218.19	218.16	218.12	218.07	218.02	217.96	217.91	217.85	217.84	217.83	217.82	217.81	217.80	217.77	217.74	217.71
PROJECT ELEVATION								217.58	217.08	217.59	217.61	217.63	217.65	217.63	217.61	217.59	217.08	217.58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



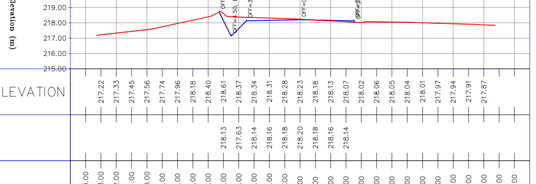
NATURAL GROUND ELEVATION	216.86	216.96	217.06	217.18	217.30	217.42	217.58	218.03	218.29	218.24	218.19	218.14	218.08	218.03	217.98	217.93	217.88	217.96	217.95	217.94	217.93	217.91	217.87	217.84	217.81	217.78
PROJECT ELEVATION								217.86	217.36	217.87	217.89	217.91	217.93	217.91	217.89	217.87	217.36	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	218.39	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	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

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

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

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

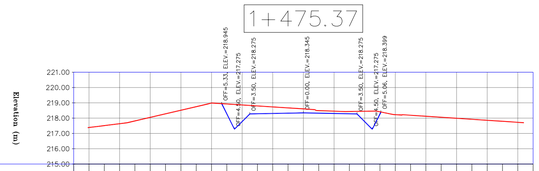
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1+470.00



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
PROJECT ELEVATION										218.27	217.77	218.28	218.30	218.32	218.34	218.32	218.30	218.28											
NATURAL GROUND ELEVATION	217.46	217.59	217.74	217.98	218.21	218.44	218.67	218.90	219.01	218.49	218.44	218.41	218.39	218.36	218.33	218.30	218.27	218.23	218.18	218.19	218.16	218.12	218.08	218.05	218.01	217.96			

1+475.37



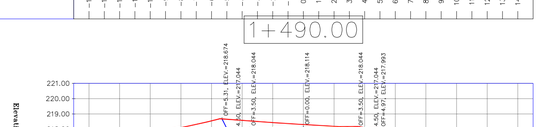
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
PROJECT ELEVATION										218.28	217.78	218.29	218.31	218.33	218.35	218.33	218.31	218.29	217.78	218.28									
NATURAL GROUND ELEVATION	217.39	217.51	217.64	217.82	218.05	218.28	218.52	218.75	218.99	218.92	218.86	218.80	218.73	218.67	218.60	218.49	218.45	218.43	218.45	218.41	218.23	218.19	218.12	218.06	217.99	217.92	217.86	217.79	217.73

1+480.00



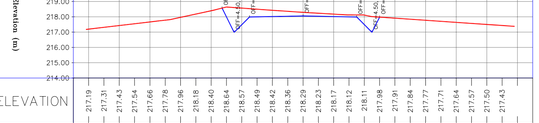
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PROJECT ELEVATION										218.24	217.74	218.25	218.27	218.29	218.31	218.29	218.27	218.25	217.74	218.24									
NATURAL GROUND ELEVATION	217.39	217.51	217.64	217.79	218.02	218.25	218.48	218.72	218.87	218.81	218.74	218.67	218.60	218.54	218.47	218.41	218.41	218.43	218.33	218.16	218.09	218.03	218.08	218.02	217.95	217.88	217.82	217.75	

1+490.00



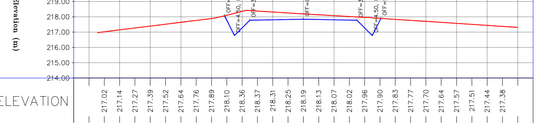
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
PROJECT ELEVATION										218.04	217.54	218.05	218.07	218.09	218.11	218.09	218.07	218.05	217.54	218.04									
NATURAL GROUND ELEVATION	217.25	217.37	217.49	217.60	217.72	217.88	218.10	218.32	218.55	218.65	218.58	218.51	218.44	218.37	218.31	218.25	218.19	218.18	218.10	217.99	217.92	217.86	217.79	217.72	217.65	217.59	217.52	217.80	

1+492.16



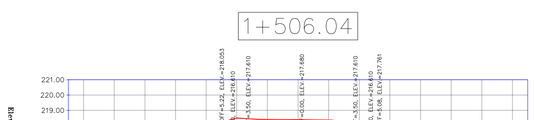
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PROJECT ELEVATION										217.99	217.49	218.00	218.02	218.04	218.06	218.04	218.02	218.00	217.49	217.98									
NATURAL GROUND ELEVATION	217.19	217.31	217.43	217.54	217.66	217.78	217.96	218.18	218.40	218.64	218.57	218.49	218.42	218.36	218.29	218.23	218.17	218.12	218.11	217.98	217.91	217.84	217.77	217.71	217.64	217.57	217.50	217.43	

1+500.00



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
PROJECT ELEVATION										217.78	217.28	217.79	217.81	217.83	217.85	217.83	217.81	217.79	217.28	217.78									
NATURAL GROUND ELEVATION	217.02	217.14	217.27	217.39	217.52	217.64	217.76	217.89	218.10	218.36	218.37	218.37	218.31	218.25	218.19	218.13	218.07	218.02	217.96	217.90	217.83	217.77	217.70	217.64	217.57	217.51	217.44	217.38	

1+506.04



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
PROJECT ELEVATION										217.61	217.11	217.62	217.64	217.66	217.68	217.66	217.64	217.62	217.11	217.61									
NATURAL GROUND ELEVATION	217.01	217.14	217.26	217.39	217.52	217.66	217.80	217.94	218.08	218.50	218.44	218.41	218.39	218.38	218.37	218.36	218.23	217.77	217.77	217.71	217.65	217.58	217.52	217.46	217.40	217.34	217.28		

1+510.00



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
PROJECT ELEVATION										217.50	217.00	217.51	217.53	217.55	217.57	217.55	217.53	217.51											
NATURAL GROUND ELEVATION	217.28	217.41	217.54	217.68	217.81	217.94	218.08	218.21	218.34	218.52	218.50	218.49	218.48	218.46	218.45	218.43	218.41	217.77	217.68	217.59	217.54	217.48	217.42	217.37	217.31	217.25	217.20		

1+519.91



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
PROJECT ELEVATION										217.24	216.74	217.25	217.27	217.29	217.31	217.29	217.27	217.25	216.74	217.24									
NATURAL GROUND ELEVATION	217.48	217.59	217.69	217.79	217.89	217.99	218.10	218.15	218.09	217.94	217.84	217.77	217.70	217.63	217.56	217.51	217.55	217.55	217.40	217.33	217.25	217.18	217.13	217.09	217.05	217.01	216.96		

1+520.00



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
PROJECT ELEVATION										217.23	216.73	217.24	217.26	217.28	217.30	217.28	217.26	217.24	216.73	217.23									
NATURAL GROUND ELEVATION	217.49	217.59	217.70	217.80	217.90	218.00	218.11	218.16	218.09	217.94	217.84	217.77	217.70	217.62	217.55	217.51	217.55	217.55	217.40	217.32	217.25	217.17	217.09	217.04	217.00	216.96			

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

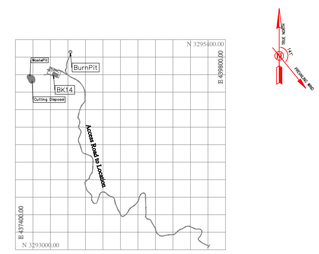
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

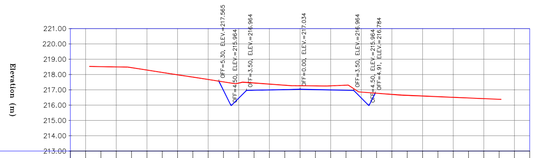
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	41 OF 90	D00

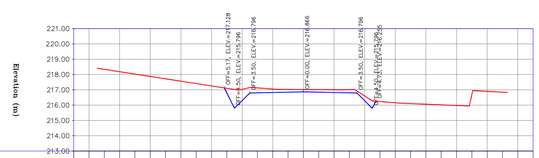
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	41	D00

1+530.00



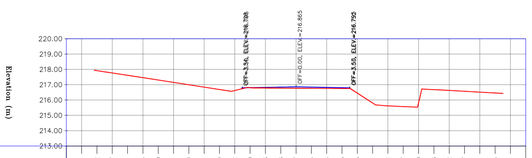
NATURAL GROUND ELEVATION	218.51	218.50	218.44	218.29	218.14	217.98	217.83	217.67	217.52	217.44	217.45	217.37	217.30	217.26	217.26	217.26	217.30	216.85	216.78	216.70	216.64	216.60	216.55	216.51	216.47	216.43	216.38
PROJECT ELEVATION									216.96	216.46	216.97	216.99	217.01	217.03	217.01	216.99	216.97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



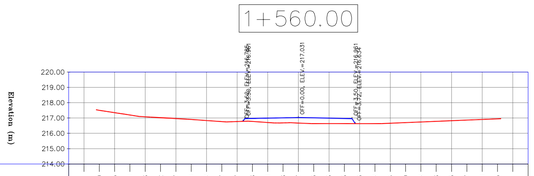
NATURAL GROUND ELEVATION	218.34	218.18	218.03	217.87	217.72	217.57	217.41	217.26	217.10	217.03	217.12	217.05	217.02	217.02	217.01	217.00	217.02	216.81	216.30	216.23	216.16	216.11	216.06	216.02	215.98	216.69	216.90	216.84
PROJECT ELEVATION									216.80	216.30	216.83	216.83	216.85	216.87	216.85	216.83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



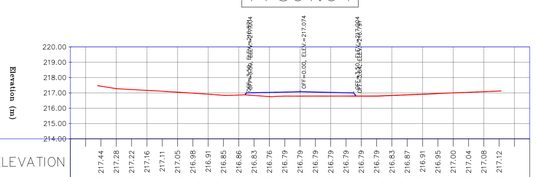
NATURAL GROUND ELEVATION	217.92	217.77	217.61	217.48	217.30	217.15	216.99	216.84	216.69	216.62	216.80	216.78	216.78	216.77	216.76	216.76	216.75	216.45	215.81	215.62	215.57	215.80	216.68	216.62	216.57	216.51	216.46
PROJECT ELEVATION											216.81	216.83	216.85	216.87	216.85	216.83	216.81											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+560.00



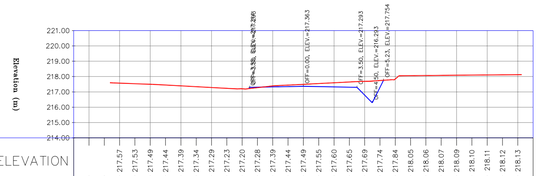
NATURAL GROUND ELEVATION	217.50	217.35	217.19	217.08	217.02	216.97	216.91	216.84	216.77	216.77	216.78	216.71	216.68	216.67	216.83	216.83	216.83	216.63	216.64	216.66	216.70	216.74	216.78	216.83	216.87	216.91	216.95
PROJECT ELEVATION											216.97	216.99	217.01	217.03	217.01	216.99	216.97											
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



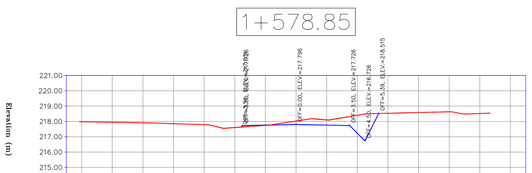
NATURAL GROUND ELEVATION	217.44	217.28	217.22	217.16	217.11	217.05	216.98	216.91	216.85	216.86	216.83	216.76	216.79	216.79	216.79	216.79	216.79	216.79	216.83	216.87	216.91	216.95	217.00	217.04	217.08	217.12		
PROJECT ELEVATION											217.01	217.03	217.05	217.07	216.79	217.03	217.01											
DIST. (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



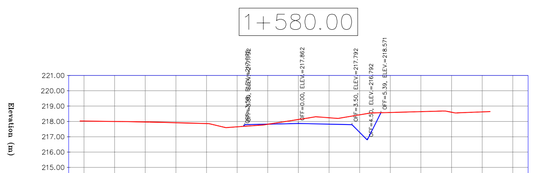
NATURAL GROUND ELEVATION	217.57	217.53	217.49	217.44	217.39	217.34	217.29	217.23	217.20	217.28	217.39	217.44	217.49	217.55	217.60	217.65	217.69	217.74	217.84	218.05	218.06	218.07	218.09	218.10	218.11	218.12	218.13	
PROJECT ELEVATION										217.30	217.32	217.34	217.36	217.34	217.32	217.30	216.79	217.29										
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	218.53	218.55	218.58	218.60	218.63	218.48	218.52	
PROJECT ELEVATION											217.74	217.76	217.78	217.80	217.78	217.76	217.74	217.73										
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	217.85	217.84	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	217.84	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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

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

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 / CHECKED	DATE	BY / REV. APPR.	DATE
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

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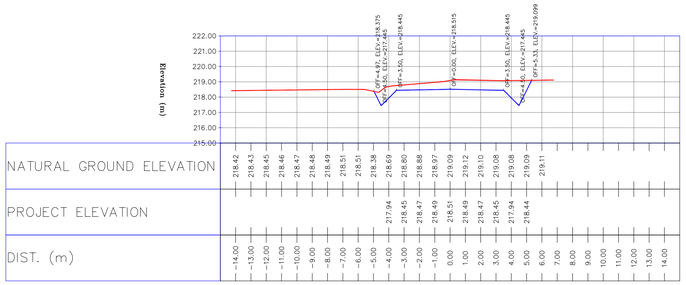
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

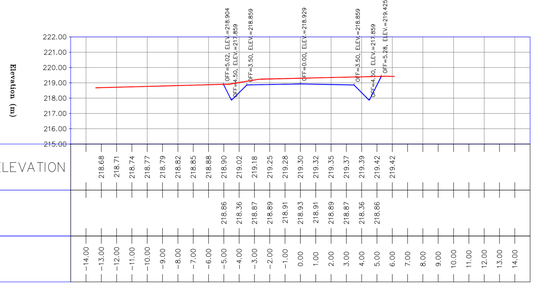
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H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	42 OF 90	D00	053-073-9184	F	4	S	708209	42	D00

1+590.00



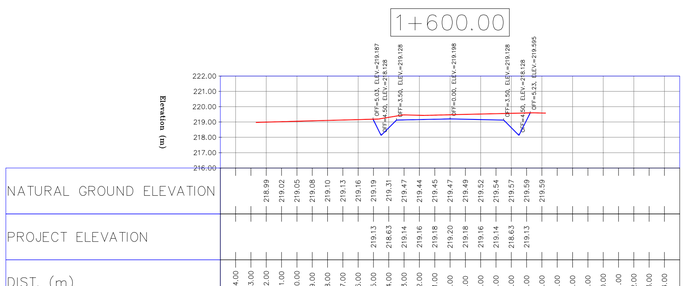
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NATURAL GROUND ELEVATION	218.42	218.43	218.45	218.46	218.47	218.48	218.49	218.51	218.51	218.38	218.69	218.80	218.88	218.97	219.09	219.12	219.10	219.08	219.09	219.11									
PROJECT ELEVATION											217.94	218.45	218.47	218.49	218.51	218.49	218.47	218.45	217.94	218.44									

1+596.07



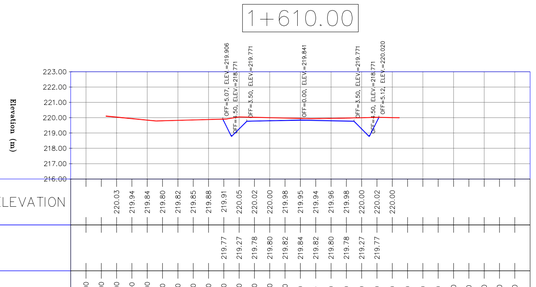
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NATURAL GROUND ELEVATION	218.68	218.71	218.74	218.77	218.79	218.82	218.85	218.88	218.90	219.02	219.18	219.25	219.28	219.30	219.32	219.35	219.37	219.39	219.42	219.42									
PROJECT ELEVATION										218.86	218.36	218.87	218.89	218.91	218.93	218.91	218.89	218.87	218.36	218.86									

1+600.00



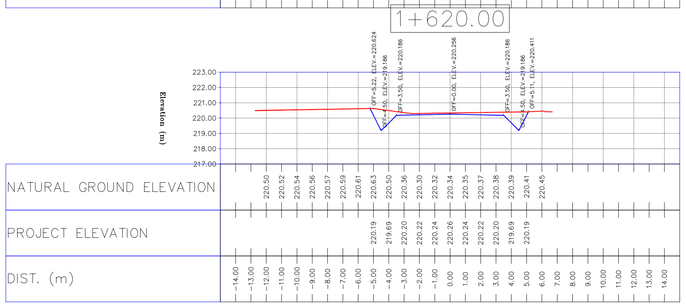
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NATURAL GROUND ELEVATION	218.99	219.02	219.05	219.08	219.10	219.13	219.16	219.19	219.31	219.47	219.44	219.45	219.47	219.49	219.52	219.54	219.57	219.59	219.59										
PROJECT ELEVATION									219.13	218.63	219.14	219.16	219.18	219.20	219.18	219.16	219.14	218.63	219.13										

1+610.00



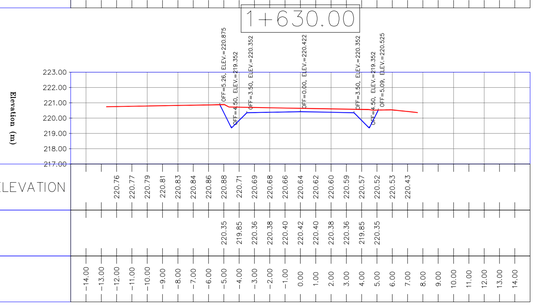
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NATURAL GROUND ELEVATION	220.03	219.94	219.84	219.80	219.82	219.85	219.88	219.91	220.05	220.02	220.00	219.98	219.95	219.94	219.96	219.98	220.02	220.00											
PROJECT ELEVATION									219.77	219.27	219.78	219.80	219.82	219.84	219.82	219.80	219.78	219.27	219.77										

1+620.00



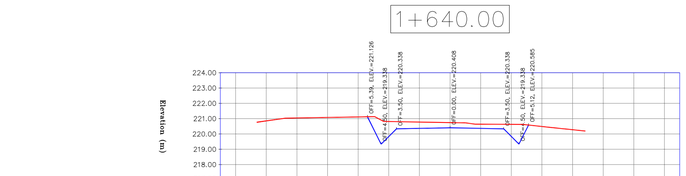
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NATURAL GROUND ELEVATION	220.50	220.52	220.54	220.56	220.57	220.59	220.61	220.63	220.50	220.36	220.30	220.32	220.34	220.35	220.37	220.38	220.39	220.41	220.45										
PROJECT ELEVATION									220.19	219.69	220.20	220.22	220.24	220.26	220.24	220.22	220.20	219.69	220.19										

1+630.00



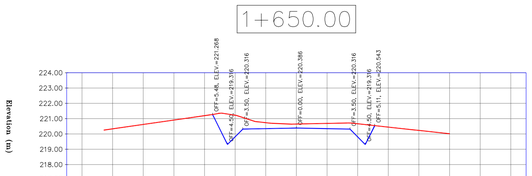
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	220.76	220.77	220.79	220.81	220.83	220.84	220.86	220.88	220.71	220.69	220.68	220.66	220.64	220.62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

1+640.00



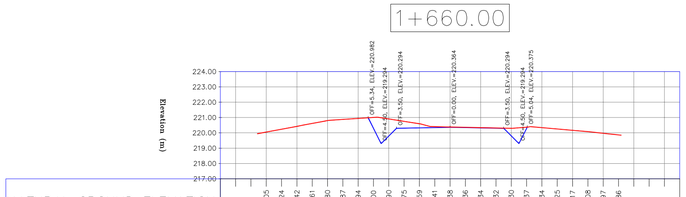
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	220.85	221.00	221.04	221.06	221.08	221.10	221.11	221.13	220.81	220.79	220.78	220.76	220.74	220.72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

1+650.00



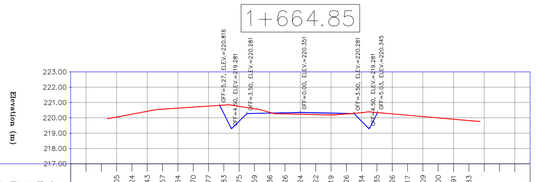
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	220.34	220.48	220.62	220.77	220.91	221.05	221.20	221.36	221.23	220.91	220.74	220.67	220.65	220.67	220.69	220.71	220.66	220.56	220.45	220.34	220.23	220.13	220.02						
PROJECT ELEVATION									220.32	219.82	220.33	220.35	220.37	220.39	220.37	220.35	220.33	219.82	220.32										

1+660.00



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	220.05	220.24	220.42	220.61	220.80	220.87	220.94	221.00	220.90	220.75	220.59	220.41	220.38	220.36	220.34	220.32	220.30	220.37	220.34	220.25	220.17	220.08	219.97	219.86					
PROJECT ELEVATION									220.29	219.79	220.30	220.32	220.34	220.36	220.34	220.32	220.30	219.79	220.29										

1+664.85



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
NATURAL GROUND ELEVATION	220.05	220.24	220.43	220.57	220.64	220.70	220.77	220.83	220.75	220.59	220.36	220.26	220.24	220.22	220.26	220.34	220.35	220.26	220.17	220.09	220.00	219.91	219.83						
PROJECT ELEVATION									220.28	219.78	220.29	220.31	220.33	220.35	220.33	220.31	220.29	219.78	220.28										

NOTES

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- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.

5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

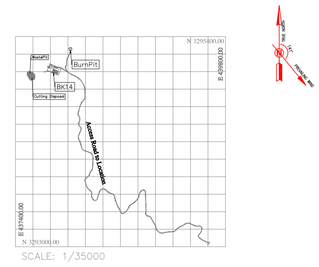
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

CHECKED REV. APPR.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

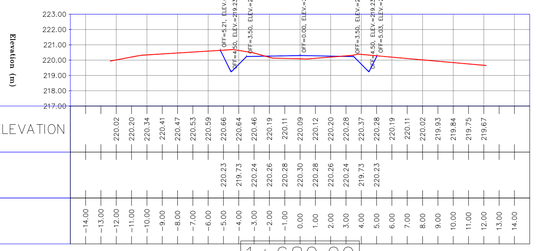
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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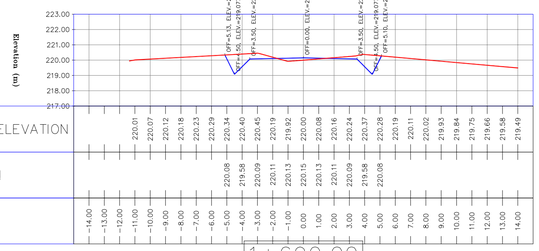
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1+670.00



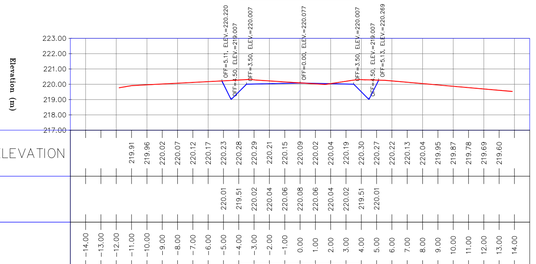
NATURAL GROUND ELEVATION								220.02	220.20	220.34	220.41	220.47	220.53	220.59	220.66	220.64	220.46	220.19	220.11	220.09	220.12	220.20	220.28	220.37	220.28	220.19	220.11	220.02	219.93	219.84	219.75	219.67
PROJECT ELEVATION															220.23	219.73	220.24	220.26	220.28	220.30	220.28	220.26	220.24	219.73	220.23						
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

1+677.55



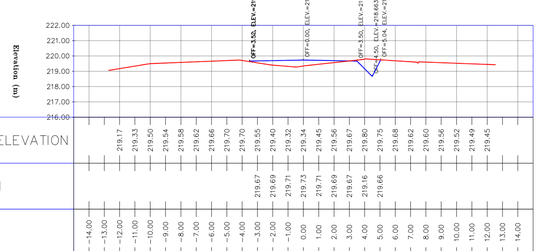
NATURAL GROUND ELEVATION								220.01	220.07	220.12	220.18	220.23	220.29	220.34	220.40	220.45	220.19	219.92	220.00	220.08	220.16	220.24	220.37	220.28	220.19	220.11	220.02	219.93	219.84	219.75	219.66	219.58	219.49
PROJECT ELEVATION															220.08	219.58	220.09	220.11	220.13	220.15	220.13	220.11	220.09	219.58	220.08								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

1+680.00



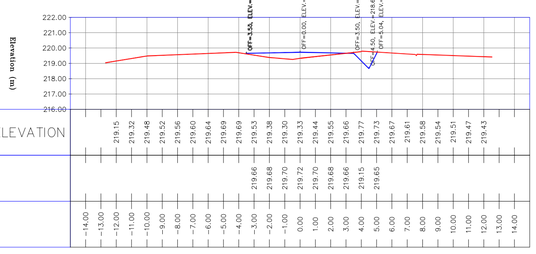
NATURAL GROUND ELEVATION								219.91	219.96	220.02	220.07	220.12	220.17	220.23	220.28	220.29	220.21	220.15	220.09	220.02	220.04	220.04	220.19	220.30	220.27	220.22	220.13	220.04	219.95	219.87	219.78	219.69	219.60
PROJECT ELEVATION															220.01	219.51	220.02	220.04	220.06	220.08	220.06	220.04	220.02	219.51	220.01								
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+690.00



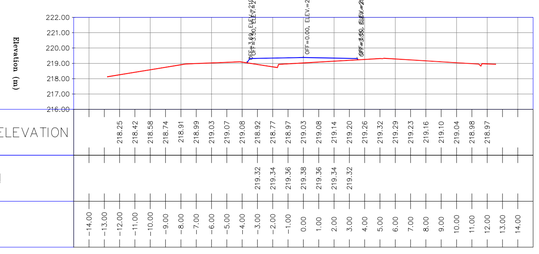
NATURAL GROUND ELEVATION								219.17	219.33	219.50	219.54	219.58	219.62	219.66	219.70	219.70	219.55	219.40	219.32	219.34	219.45	219.56	219.67	219.80	219.75	219.68	219.62	219.60	219.56	219.52	219.49	219.45
PROJECT ELEVATION															219.67	219.69	219.71	219.73	219.71	219.69	219.67	219.67	219.16	219.66								
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+690.25



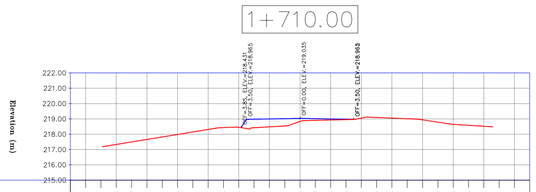
NATURAL GROUND ELEVATION								219.15	219.32	219.48	219.52	219.56	219.60	219.64	219.69	219.53	219.38	219.30	219.33	219.44	219.55	219.66	219.77	219.73	219.67	219.61	219.58	219.54	219.51	219.47	219.43	
PROJECT ELEVATION															219.66	219.68	219.70	219.72	219.70	219.68	219.66	219.15	219.65								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

1+700.00



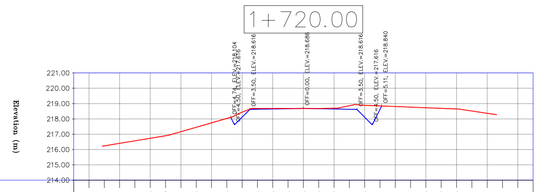
NATURAL GROUND ELEVATION								218.25	218.42	218.58	218.74	218.91	218.99	219.03	219.07	219.08	218.92	218.77	218.97	219.03	219.36	219.08	219.14	219.20	219.26	219.32	219.29	219.23	219.16	219.10	219.04	218.98	218.97
PROJECT ELEVATION															219.32	219.34	219.36	219.38	219.36	219.34	219.32												
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	

1+710.00



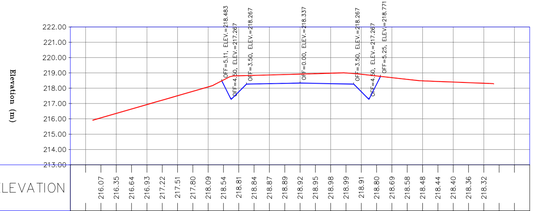
NATURAL GROUND ELEVATION								217.33	217.49	217.66	217.82	217.98	218.15	218.31	218.43	218.45	218.42	218.48	218.54	218.63	218.90	218.93	218.95	219.05	219.09	219.05	219.01	218.94	218.79	218.65	218.58	218.52
PROJECT ELEVATION															218.97	218.99	219.01	219.03	219.01	218.99	218.97												
DIST. (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+720.00



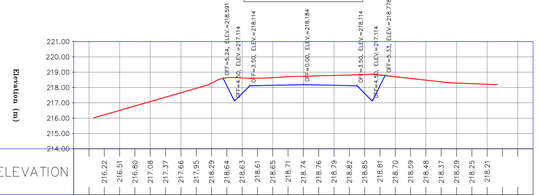
NATURAL GROUND ELEVATION								216.24	216.41	216.57	216.73	216.90	217.16	217.45	217.74	218.03	218.44	218.68	218.68	218.68	218.68	218.68	218.70	218.86	218.88	218.84	218.81	218.77	218.73	218.69	218.65	218.51	218.37
PROJECT ELEVATION															218.12	218.63	218.68	218.65	218.67	218.68	218.67	218.65	218.63	218.12	218.62								
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+730.00



NATURAL GROUND ELEVATION								216.07	216.35	216.64	216.93	217.22	217.51	217.80	218.09	218.54	218.84	218.87	218.89	218.92	218.95	218.98	218.99	218.91	218.80	218.69	218.58	218.48	218.44	218.40	218.36	218.32
PROJECT ELEVATION															218.27	217.77	218.28	218.30	218.32	218.34	218.32	218.30	218.28	217.77	218.27								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

1+734.38



NATURAL GROUND ELEVATION								216.22	216.51	216.80	217.08	217.37	217.66	217.95	218.29	218.64	218.63	218.61	218.65	218.71	218.74	218.76	218.79	218.82	218.85	218.81	218.70	218.59	218.48	218.37	218.29	218.25	218.21
PROJECT ELEVATION															218.11	217.61	218.12	218.14	218.16	218.18	218.16	218.14	218.12	217.61	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	

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

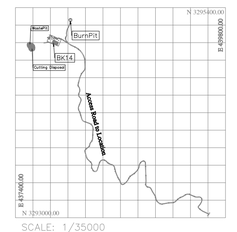
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD		BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

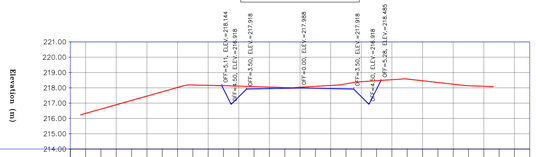
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	44 OF 90	D00

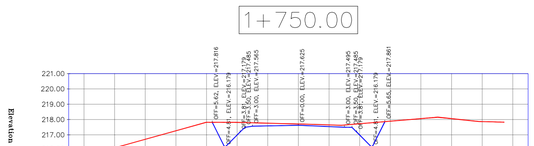
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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1+740.00



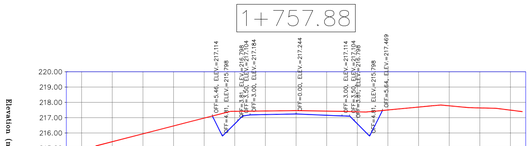
NATURAL GROUND ELEVATION	216.33	216.61	216.89	217.18	217.46	217.74	218.02	218.18	218.16	218.14	218.11	218.08	218.05	218.02	218.04	218.09	218.15	218.26	218.40	218.47	218.53	218.57	218.46	218.35	218.24	218.14	218.10	
PROJECT ELEVATION										217.92	217.42	217.93	217.95	217.97	217.99	217.97	217.95	217.93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

1+750.00



NATURAL GROUND ELEVATION	215.59	215.87	216.15	216.43	216.71	216.99	217.27	217.55	217.82	217.62	217.81	217.79	217.76	217.74	217.71	217.68	217.65	217.64	217.72	217.81	217.89	217.97	218.06	218.14	218.06	217.95	217.86	217.84
PROJECT ELEVATION										216.57	216.98	217.56	217.58	217.60	217.62	217.58	217.54	217.49	216.58	216.57								
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

1+757.88



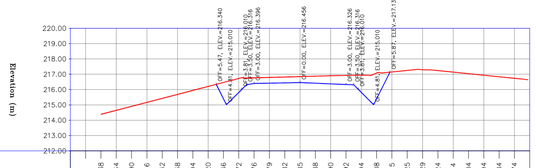
NATURAL GROUND ELEVATION	215.18	215.43	215.69	215.95	216.21	216.46	216.72	216.98	217.23	217.42	217.43	217.44	217.45	217.45	217.47	217.45	217.43	217.41	217.39	217.50	217.60	217.69	217.79	217.78	217.68	217.64	217.62	217.49
PROJECT ELEVATION										216.19	216.60	217.18	217.20	217.22	217.24	217.20	217.16	217.11	216.60	216.19								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+760.00



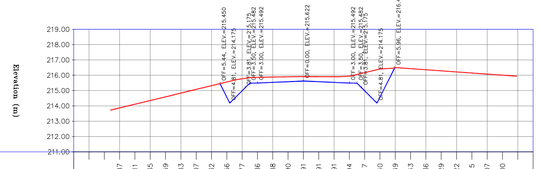
NATURAL GROUND ELEVATION	215.19	215.45	215.71	215.97	216.23	216.50	216.76	217.02	217.28	217.31	217.32	217.34	217.36	217.37	217.36	217.35	217.33	217.33	217.42	217.52	217.61	217.71	217.68	217.59	217.58	217.50	217.38	
PROJECT ELEVATION								216.07	216.48	216.99	217.04	217.08	217.12	217.08	217.04	217.04	216.99	216.48	216.07									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

1+770.00



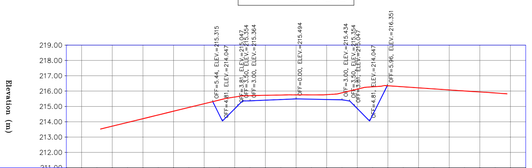
NATURAL GROUND ELEVATION	214.38	214.64	214.90	215.16	215.42	215.68	215.94	216.20	216.46	216.72	216.76	216.79	216.82	216.85	216.88	216.90	216.92	216.94	217.08	217.15	217.25	217.29	217.24	217.14	217.04	216.94	216.84	216.74
PROJECT ELEVATION										215.40	215.82	216.40	216.42	216.44	216.46	216.41	216.37	216.33	215.82	215.40								
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

1+780.00



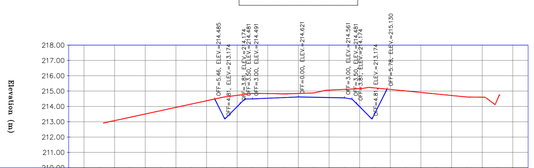
NATURAL GROUND ELEVATION	213.87	214.11	214.35	214.59	214.83	215.07	215.32	215.56	215.77	215.86	215.88	215.90	215.91	215.91	215.91	215.91	215.91	215.94	216.17	216.40	216.49	216.43	216.36	216.29	216.22	216.15	216.07	216.00
PROJECT ELEVATION								214.56	214.98	215.49	215.53	215.58	215.62	215.58	215.53	215.53	215.49	214.98	214.56									
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+781.38



NATURAL GROUND ELEVATION	213.71	213.96	214.20	214.44	214.69	214.93	215.18	215.42	215.61	215.70	215.73	215.74	215.75	215.76	215.77	215.89	216.13	216.28	216.35	216.28	216.21	216.15	216.08	216.01	215.95	215.88		
PROJECT ELEVATION								214.44	214.85	215.36	215.41	215.45	215.49	215.47	215.45	215.43	214.85	214.44										
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+790.00



NATURAL GROUND ELEVATION	213.07	213.29	213.50	213.72	213.94	214.15	214.37	214.59	214.72	214.85	214.84	214.82	214.85	214.88	215.06	215.11	215.16	215.21	215.11	215.01	214.91	214.82	214.72	214.62	214.60	214.47		
PROJECT ELEVATION								213.56	213.98	214.49	214.53	214.58	214.62	214.60	214.58	214.56	213.98	213.56										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.

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

3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

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

5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

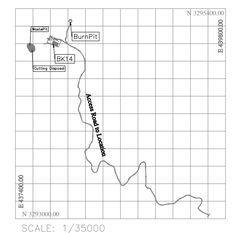
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

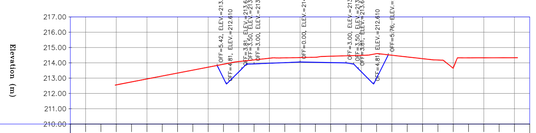
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	45 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	45	D00

1+795.01



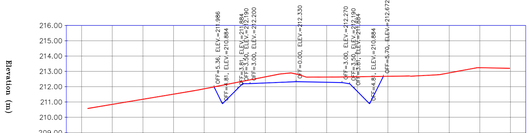
NATURAL GROUND ELEVATION	212.56	212.75	212.95	213.14	213.33	213.53	213.72	213.91	214.08	214.19	214.30	214.32	214.34	214.36	214.43	214.46	214.49	214.60	214.50	214.38	214.27	214.18	213.65	214.33	214.33	214.34				
PROJECT ELEVATION									213.00	213.42	213.93	213.97	214.01	214.06	214.04	214.02	214.00	213.42	213.00											
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+800.00



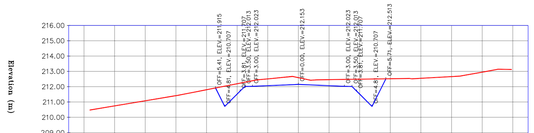
NATURAL GROUND ELEVATION	211.96	212.12	212.29	212.46	212.62	212.79	212.96	213.12	213.29	213.46	213.55	213.61	213.63	213.66	213.69	213.73	213.76	213.79	213.88	213.86	213.50	213.94	213.93	213.93	213.92	213.92				
PROJECT ELEVATION								212.59	212.81	213.12	213.37	213.41	213.45	213.41	213.37	213.32	212.81	212.39												
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	

1+808.65



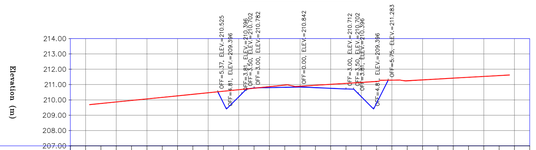
NATURAL GROUND ELEVATION	210.68	210.85	211.02	211.18	211.35	211.52	211.68	211.86	212.06	212.25	212.45	212.64	212.83	212.83	212.63	212.63	212.63	212.65	212.68	212.69	212.71	212.77	212.90	213.09	213.24	213.22				
PROJECT ELEVATION								211.27	211.69	212.20	212.29	212.24	212.29	212.33	212.31	212.29	212.27	211.69	211.27											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

1+810.00



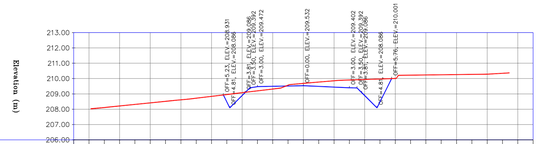
NATURAL GROUND ELEVATION	210.58	210.74	210.91	211.08	211.25	211.41	211.60	211.80	212.00	212.19	212.39	212.51	212.61	212.59	212.43	212.46	212.47	212.49	212.50	212.52	212.54	212.60	212.66	212.77	212.95	213.13				
PROJECT ELEVATION								211.09	211.51	212.02	212.07	212.11	212.15	212.11	212.07	212.02	211.51	211.09												
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+820.00



NATURAL GROUND ELEVATION	209.76	209.86	209.96	210.06	210.16	210.26	210.36	210.46	210.56	210.66	210.76	210.86	210.96	210.89	210.95	211.02	211.08	211.14	211.20	211.29	211.25	211.30	211.36	211.41	211.47	211.53	211.58			
PROJECT ELEVATION								209.78	210.20	210.78	210.80	210.82	210.84	210.80	210.76	210.71	210.20	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	

1+830.00



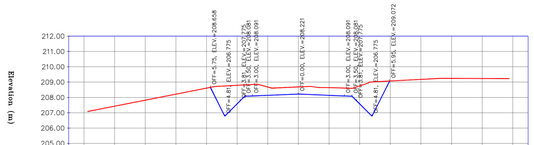
NATURAL GROUND ELEVATION	208.11	208.21	208.31	208.41	208.51	208.61	208.72	208.84	208.96	209.08	209.20	209.32	209.57	209.68	209.77	209.86	209.90	209.94	209.97	210.01	210.22	210.24	210.25	210.26	210.28	210.29	210.34			
PROJECT ELEVATION								208.47	208.89	209.47	209.49	209.51	209.53	209.49	209.45	209.40	208.89	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+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	209.31	209.33	209.35	209.37	209.39	209.78	209.80	209.82	209.83	209.85	209.86	209.87				
PROJECT ELEVATION								207.82	208.23	208.81	208.83	208.85	208.87	208.83	208.79	208.74	208.23	207.82												
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+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	208.74	208.84	208.68	208.68	208.64	208.68	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								207.16	207.58	208.09	208.13	208.18	208.22	208.18	208.13	208.09	207.58	207.16												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.

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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".
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LEGEND

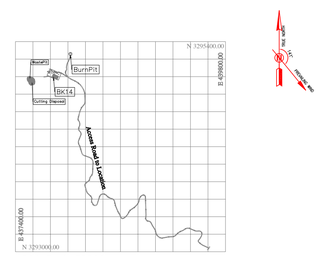
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
═══	ASPHALT ROAD	99.27	SPOT HEIGHT
═══	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
∿∿	DAYLIGHT		CULVERT

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

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	DESCRIPTION	PREP.	CHK.	APP.	AUT.
***	**********	**.**	***.****	**.**	***.****	
		BY	DATE	BY	DATE	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
		CHECKED		REV. APPR.		

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

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

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

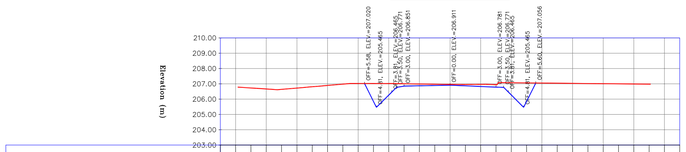
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	46 OF 90	D00

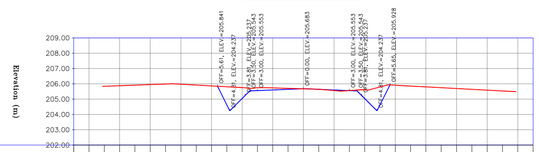
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1+850.00



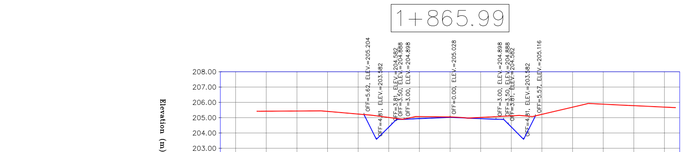
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-13.00		206.67
-12.00		206.64
-11.00		206.73
-10.00		206.81
-9.00		206.90
-8.00		206.98
-7.00		207.02
-6.00		207.02
-5.00	205.85	207.02
-4.00	206.27	207.02
-3.00	206.85	207.01
-2.00	206.87	206.99
-1.00	206.89	206.98
0.00	206.91	206.98
1.00	206.87	206.96
2.00	206.82	206.95
3.00	206.78	206.97
4.00	206.27	206.94
5.00	205.85	207.07
6.00		207.06
7.00		207.05
8.00		207.04
9.00		207.03
10.00		207.02
11.00		207.01
12.00		207.00
13.00		206.99
14.00		206.98

1+860.00



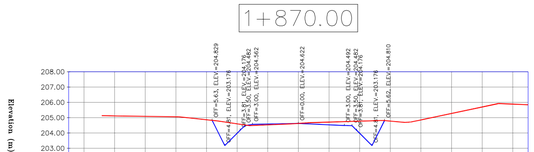
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		205.84
-13.00		205.88
-12.00		205.91
-11.00		205.95
-10.00		205.99
-9.00		205.97
-8.00		205.92
-7.00		205.86
-6.00		205.81
-5.00	204.62	205.75
-4.00	205.04	205.75
-3.00	205.55	205.75
-2.00	205.60	205.74
-1.00	205.64	205.71
0.00	205.68	205.68
1.00	205.64	205.64
2.00	205.60	205.56
3.00	205.55	205.56
4.00	205.04	205.61
5.00	204.62	205.79
6.00		205.91
7.00		205.86
8.00		205.80
9.00		205.75
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11.00		205.64
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13.00		205.54
14.00		

1+865.99



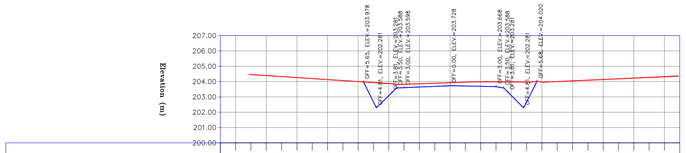
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		205.43
-13.00		205.43
-12.00		205.44
-11.00		205.44
-10.00		205.41
-9.00		205.32
-8.00		205.24
-7.00		205.14
-6.00		205.01
-5.00	203.97	204.91
-4.00	204.39	205.07
-3.00	204.90	205.06
-2.00	204.94	205.05
-1.00	204.98	204.99
0.00	205.03	205.02
1.00	204.98	205.07
2.00	204.94	205.13
3.00	204.90	205.11
4.00	204.39	205.22
5.00	203.97	205.45
6.00		205.69
7.00		205.92
8.00		205.88
9.00		205.83
10.00		205.79
11.00		205.74
12.00		205.69
13.00		
14.00		

1+870.00



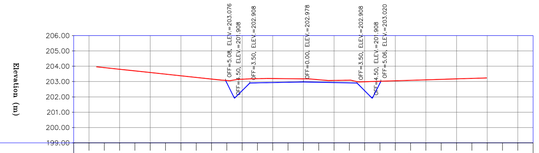
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		205.12
-13.00		205.10
-12.00		205.09
-11.00		205.07
-10.00		205.06
-9.00		204.97
-8.00		204.87
-7.00		204.75
-6.00		204.60
-5.00	203.56	204.49
-4.00	203.98	204.53
-3.00	204.56	204.58
-2.00	204.58	204.60
-1.00	204.60	204.63
0.00	204.62	204.68
1.00	204.58	204.71
2.00	204.54	204.74
3.00	204.49	204.74
4.00	203.98	204.78
5.00	203.56	204.81
6.00		204.78
7.00		204.70
8.00		204.86
9.00		205.07
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11.00		205.49
12.00		205.70
13.00		205.91
14.00		205.88

1+880.00



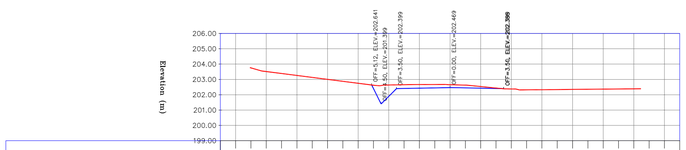
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
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-13.00		204.39
-12.00		204.33
-11.00		204.26
-10.00		204.20
-9.00		204.13
-8.00		204.07
-7.00		204.00
-6.00		203.94
-5.00	202.67	203.87
-4.00	203.09	203.82
-3.00	203.60	203.86
-2.00	203.64	203.89
-1.00	203.68	203.92
0.00	203.73	203.96
1.00	203.71	203.96
2.00	203.69	203.98
3.00	203.67	203.98
4.00	203.09	203.97
5.00	202.67	203.97
6.00		204.00
7.00		204.04
8.00		204.09
9.00		204.14
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11.00		204.23
12.00		204.27
13.00		204.32
14.00		

1+890.00



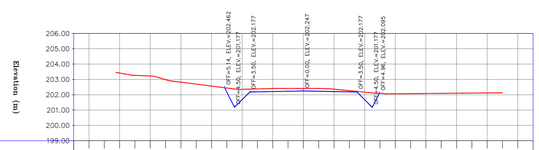
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		203.91
-13.00		203.80
-12.00		203.69
-11.00		203.59
-10.00		203.48
-9.00		203.37
-8.00		203.27
-7.00		203.16
-6.00		203.07
-5.00	202.91	203.15
-4.00	202.41	203.19
-3.00	202.92	203.20
-2.00	202.94	203.19
-1.00	202.96	203.18
0.00	202.98	203.12
1.00	202.96	203.08
2.00	202.94	203.09
3.00	202.92	203.09
4.00	202.41	202.99
5.00	202.91	203.02
6.00		203.05
7.00		203.08
8.00		203.11
9.00		203.14
10.00		203.18
11.00		203.21
12.00		
13.00		
14.00		

1+896.96



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		203.75
-13.00		203.51
-12.00		203.39
-11.00		203.26
-10.00		203.13
-9.00		203.01
-8.00		202.88
-7.00		202.75
-6.00		202.63
-5.00	202.40	202.64
-4.00	201.90	202.64
-3.00	202.41	202.66
-2.00	202.43	202.67
-1.00	202.45	202.67
0.00	202.47	202.66
1.00	202.45	202.63
2.00	202.43	202.53
3.00	202.41	202.44
4.00		202.38
5.00		202.32
6.00		202.33
7.00		202.34
8.00		202.35
9.00		202.36
10.00		202.37
11.00		202.37
12.00		202.37
13.00		202.38
14.00		

1+900.00



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		203.41
-13.00		203.26
-12.00		203.22
-11.00		202.99
-10.00		202.82
-9.00		202.70
-8.00		202.57
-7.00		202.44
-6.00		202.35
-5.00	202.18	202.38
-4.00	201.68	202.40
-3.00	202.19	202.41
-2.00	202.21	202.41
-1.00	202.23	202.41
0.00	202.25	202.41
1.00	202.23	202.41
2.00	202.21	202.37
3.00	202.19	202.27
4.00	201.68	202.17
5.00		202.09
6.00		202.07
7.00		202.07
8.00		202.08
9.00		202.09
10.00		202.10
11.00		202.11
12.00		202.12
13.00		202.13
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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

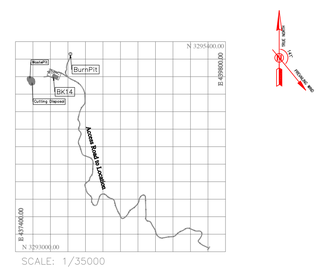
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	47 OF 90	D00

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

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

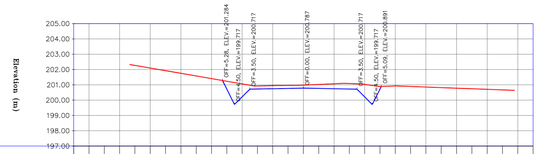
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	47	D00

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



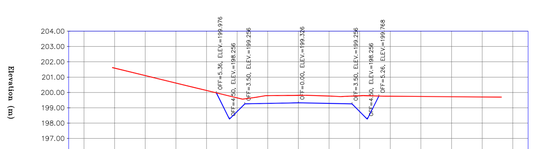
NATURAL GROUND ELEVATION					202.27	202.09	201.92	201.75	201.58	201.41	201.24	201.06	200.93	200.95	200.96	200.98	201.02	201.07	201.08	201.03	200.89	200.93	200.86	200.82	200.78	200.74	200.71	200.67			
PROJECT ELEVATION										200.72	200.22	200.22	200.73	200.75	200.77	200.79	200.77	200.75	200.73	200.22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



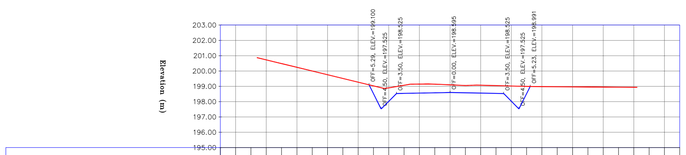
NATURAL GROUND ELEVATION					201.95	201.71	201.47	201.22	200.98	200.75	200.58	200.41	200.26	200.29	200.34	200.38	200.43	200.47	200.44	200.39	200.43	200.39	200.35	200.31	200.28	200.24	200.20	200.16			
PROJECT ELEVATION										199.99	199.49	200.00	200.02	200.04	200.06	200.04	200.02	200.00	199.49	199.99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



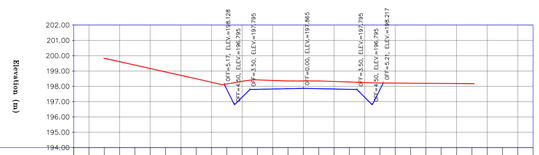
NATURAL GROUND ELEVATION					201.59	201.34	201.10	200.86	200.62	200.37	200.13	199.89	199.65	199.79	199.80	199.81	199.80	199.77	199.74	199.78	199.77	199.75	199.75	199.74	199.73	199.72	199.71	199.70			
PROJECT ELEVATION										199.26	198.76	199.27	199.29	199.31	199.33	199.31	199.29	199.27	198.76	199.26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



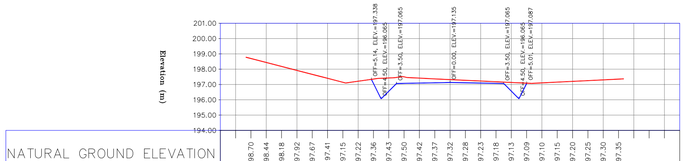
NATURAL GROUND ELEVATION					200.73	200.48	200.24	200.00	199.76	199.51	199.27	199.03	198.90	199.07	199.15	199.14	199.10	199.06	199.07	199.05	199.02	199.00	198.98	198.97	198.97	198.96	198.95	198.94	198.93		
PROJECT ELEVATION										198.53	198.03	198.54	198.56	198.58	198.60	198.58	198.56	198.54	198.03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



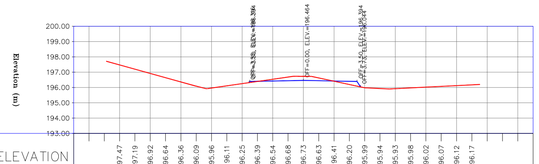
NATURAL GROUND ELEVATION					199.83	199.61	199.39	199.16	198.94	198.71	198.49	198.27	198.16	198.33	198.42	198.38	198.35	198.35	198.32	198.29	198.25	198.22	198.21	198.20	198.19	198.19	198.18	198.17			
PROJECT ELEVATION										197.79	197.29	197.80	197.82	197.84	197.86	197.84	197.82	197.80	197.29	197.79											
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	195.84	195.83	195.98	196.02	196.07	196.12	196.17			
PROJECT ELEVATION										196.40	196.42	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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	48 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

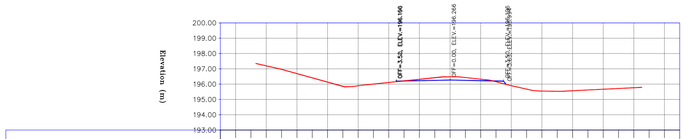
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

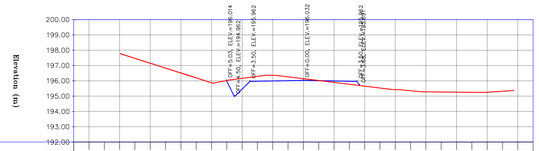
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NATURAL GROUND ELEVATION		197.20	196.97	196.69	196.41	196.14	195.86	195.90	196.01	196.11	196.21	196.32	196.42	196.48	196.43	196.32	196.15	195.90	195.68	195.55	195.53	195.57	195.62	195.67	195.71	195.76			
PROJECT ELEVATION											196.21	196.23	196.25	196.27	196.25	196.23	196.21													
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1+990.00



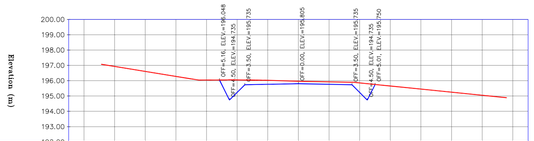
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NATURAL GROUND ELEVATION		197.47	197.15	196.83	196.51	196.19	195.87	196.02	196.16	196.29	196.36	196.26	196.14	196.03	196.01	196.01	195.90	195.77	195.65	195.53	195.42	195.35	195.28	195.27	195.26	195.25	195.25	195.32	
PROJECT ELEVATION								195.96	195.46	195.97	195.99	195.99	196.01	196.03	196.01	196.01	195.99	195.97											
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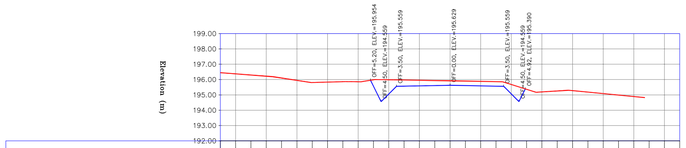
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NATURAL GROUND ELEVATION		197.91	197.58	197.26	196.93	196.60	196.28	195.95	196.11	196.21	196.21	196.18	196.06	195.94	195.82	195.71	195.68	195.66	195.65	195.55	195.45	195.35	195.25	195.15	195.04	194.94	194.88		
PROJECT ELEVATION								195.78	195.28	195.79	195.81	195.83	195.85	195.83	195.81	195.81	195.79												
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2+010.00



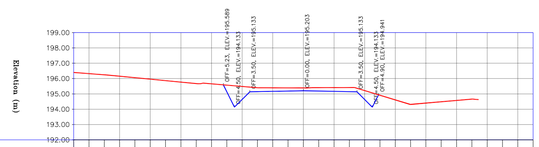
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NATURAL GROUND ELEVATION		196.93	196.77	196.61	196.45	196.28	196.12	196.04	196.05	196.05	196.04	196.02	195.99	195.98	195.94	195.92	195.90	195.85	195.75	195.65	195.55	195.45	195.35	195.25	195.15	195.05	194.95		
PROJECT ELEVATION								195.74	195.24	195.75	195.77	195.79	195.81	195.79	195.77	195.75	195.75	195.24	195.74										
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2+020.00



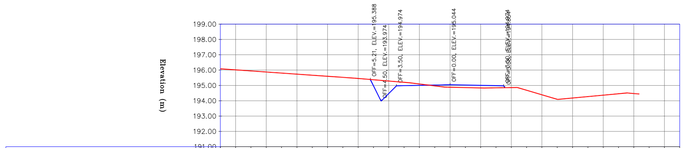
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NATURAL GROUND ELEVATION		196.37	196.30	196.22	196.10	195.95	195.81	195.83	195.86	195.86	195.99	195.99	195.97	195.95	195.94	195.92	195.90	195.88	195.87	195.68	195.36	195.19	195.26	195.27	195.18	195.08	194.99	194.89	
PROJECT ELEVATION											195.56	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



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NATURAL GROUND ELEVATION		196.33	196.25	196.16	196.06	195.96	195.87	195.77	195.67	195.65	195.57	195.49	195.40	195.40	195.39	195.39	195.41	195.41	195.42	195.21	194.91	194.61	194.31	194.40	194.49	194.57	194.66		
PROJECT ELEVATION											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



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NATURAL GROUND ELEVATION		196.02	195.95	195.88	195.81	195.74	195.67	195.60	195.53	195.45	195.37	195.29	195.20	195.09	194.97	194.89	194.86	194.84	194.84	194.86	194.69	194.39	194.09	194.17	194.27	194.36	194.46	194.47	
PROJECT ELEVATION											194.97	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



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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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

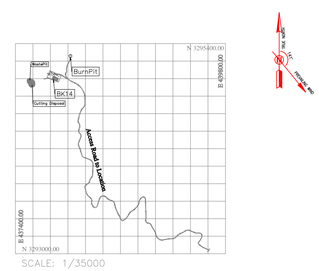
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

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

KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	49 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

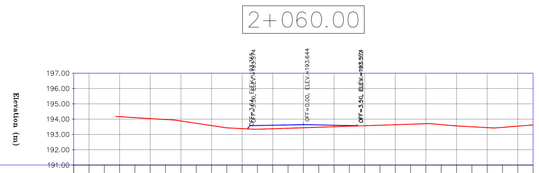
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2+050.00



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PROJECT ELEVATION										193.95	193.45	193.96	193.88	194.00	194.02	194.00	193.98	193.96											
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	

2+060.00



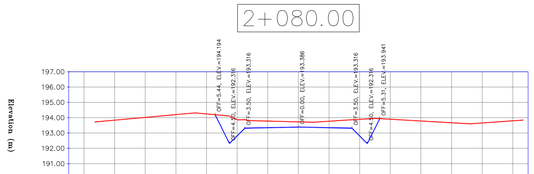
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PROJECT ELEVATION												193.58	193.60	193.62	193.64	193.62	193.60	193.58											
NATURAL GROUND ELEVATION	194.16	194.10	194.04	193.98	193.88	193.73	193.58	193.43	193.38	193.35	193.37	193.40	193.44	193.47	193.50	193.53	193.57	193.60	193.63	193.67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

2+070.00



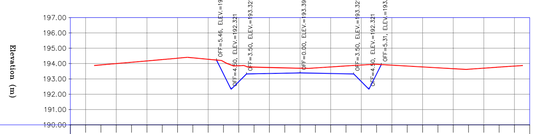
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
PROJECT ELEVATION										193.36	192.86	193.37	193.39	193.41	193.43	193.41	193.39	193.37	192.86	193.36									
NATURAL GROUND 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	193.85	193.89	193.92	193.89	193.83	193.78	193.72	193.66	193.60	193.55	193.53	193.61			

2+080.00



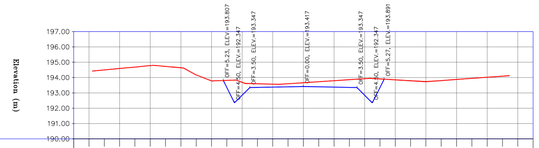
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PROJECT ELEVATION										193.32	192.82	193.33	193.35	193.37	193.39	193.37	193.35	193.33	192.82	193.32									
NATURAL GROUND ELEVATION	193.75	193.84	193.93	194.02	194.11	194.20	194.29	194.24	194.16	193.88	193.80	193.78	193.75	193.73	193.70	193.77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

2+081.55



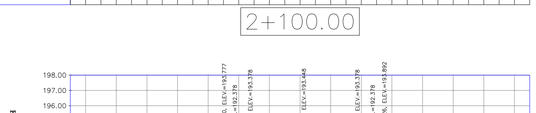
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
PROJECT ELEVATION										193.32	192.82	193.33	193.35	193.37	193.39	193.37	193.35	193.33	192.82	193.32									
NATURAL GROUND ELEVATION	193.91	194.00	194.09	194.17	194.26	194.35	194.27	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	

2+090.00



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
PROJECT ELEVATION										193.35	192.85	193.36	193.38	193.40	193.42	193.40	193.38	193.36	192.85	193.35									
NATURAL GROUND ELEVATION	194.50	194.59	194.69	194.78	194.73	194.64	194.17	193.78	193.62	193.69	193.59	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			

2+100.00



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
PROJECT ELEVATION										193.38	192.88	193.39	193.41	193.43	193.45	193.43	193.41	193.39	192.88	193.38									
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		

2+110.00



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
PROJECT ELEVATION										193.42	192.92	193.43	193.45	193.47	193.49	193.47	193.45	193.43	192.92	193.42									
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			

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

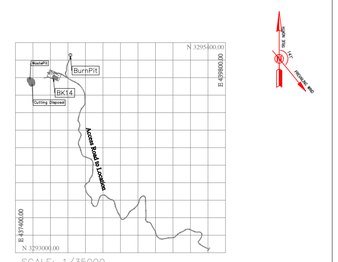
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********		**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

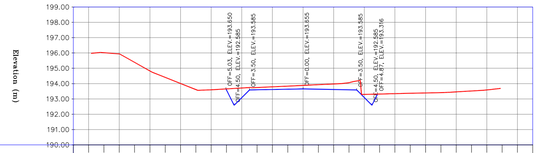
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	50 OF 90	D00

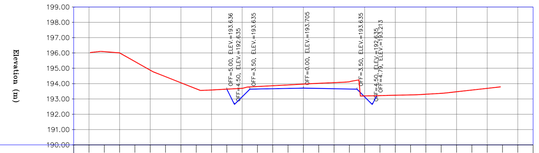
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2+118.45



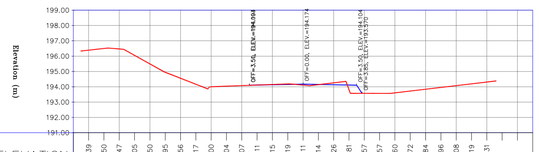
NATURAL GROUND ELEVATION	196.01	195.94	195.39	194.82	194.40	194.01	193.61	193.60	193.65	193.71	193.74	193.79	193.84	193.88	193.93	193.97	194.06	193.30	193.32	193.34	193.37	193.39	193.41	193.46	193.52	193.59		
PROJECT ELEVATION							193.59	193.09	193.60	193.64	193.62	193.64	193.66	193.64	193.62	193.60	193.09											
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+120.00



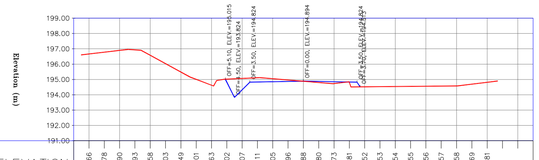
NATURAL GROUND ELEVATION	196.08	196.00	195.44	194.88	194.45	194.06	193.66	193.58	193.64	193.69	193.64	193.69	193.81	193.86	193.91	193.97	194.02	194.06	194.12	193.20	193.22	193.24	193.26	193.30	193.36	193.47	193.58	193.69
PROJECT ELEVATION							193.64	193.14	193.65	193.67	193.69	193.71	193.69	193.67	193.65	193.14												
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

2+130.00



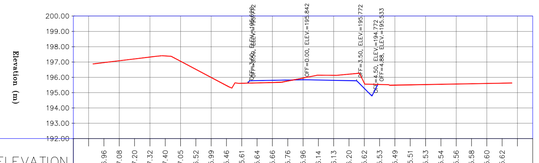
NATURAL GROUND ELEVATION	196.39	196.50	196.47	196.05	195.50	194.95	194.56	194.17	194.00	194.04	194.07	194.11	194.11	194.15	194.19	194.11	194.26	193.81	193.57	193.57	193.60	193.72	193.84	193.96	194.08	194.19	194.31	
PROJECT ELEVATION												194.11	194.13	194.15	194.19	194.17	194.11	194.15	194.13	194.11								
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

2+140.00



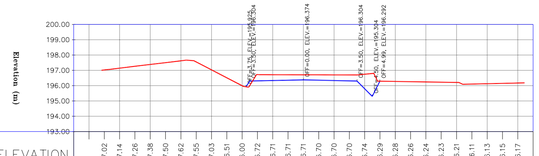
NATURAL GROUND ELEVATION	196.66	196.78	196.90	196.93	196.58	196.03	195.49	195.01	194.63	195.02	195.07	195.11	195.05	194.96	194.88	194.80	194.73	194.81	194.52	194.53	194.54	194.55	194.56	194.57	194.58	194.69	194.81	
PROJECT ELEVATION										194.82	194.32	194.83	194.85	194.87	194.89	194.87	194.85	194.83										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+150.00



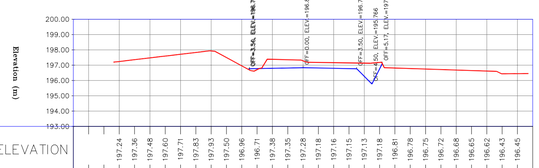
NATURAL GROUND ELEVATION	196.96	197.08	197.20	197.32	197.40	197.05	196.52	195.99	195.46	195.61	195.64	195.66	195.76	195.96	196.14	196.13	196.20	196.62	195.53	195.49	195.51	195.53	195.54	195.56	195.58	195.60	195.62	
PROJECT ELEVATION										195.78	195.80	195.82	195.84	195.82	195.80	195.78	195.27											
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

2+155.35



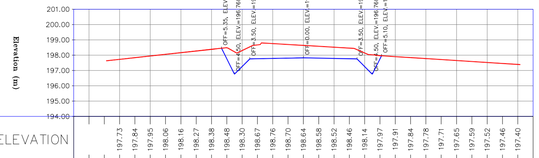
NATURAL GROUND ELEVATION	197.02	197.14	197.26	197.38	197.50	197.62	197.55	197.03	196.51	196.00	196.72	196.71	196.71	196.71	196.71	196.70	196.70	196.70	196.70	196.74	196.29	196.28	196.26	196.24	196.23	196.21	196.11	196.13	196.15	196.17
PROJECT ELEVATION											196.31	196.33	196.35	196.37	196.35	196.33	196.31	195.80											
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+160.00



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

2+170.00



NATURAL GROUND ELEVATION	197.73	197.84	197.95	198.06	198.16	198.27	198.38	198.48	198.30	198.67	198.76	198.70	198.64	198.58	198.52	198.46	198.14	197.97	197.91	197.84	197.78	197.71	197.65	197.59	197.52	197.46	197.40	
PROJECT ELEVATION								197.76	197.26	197.77	197.79	197.81	197.83	197.81	197.79	197.77	197.26	197.76										
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

NOTES

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VERTICAL DATUM:	MSL

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LEGEND

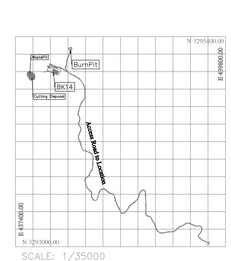
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout –BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
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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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.	
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

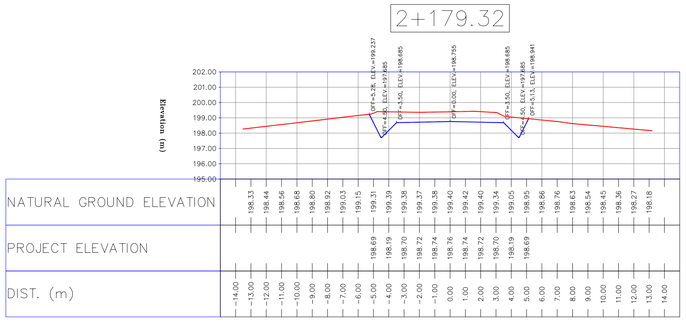
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	51 OF 90	D00

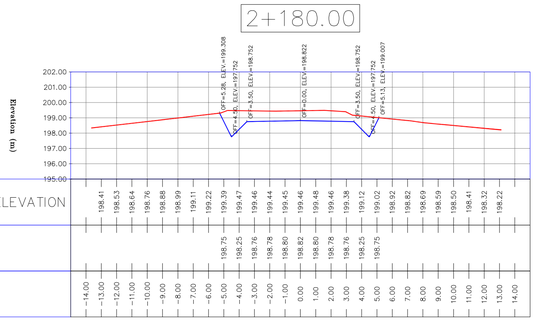
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2+179.32



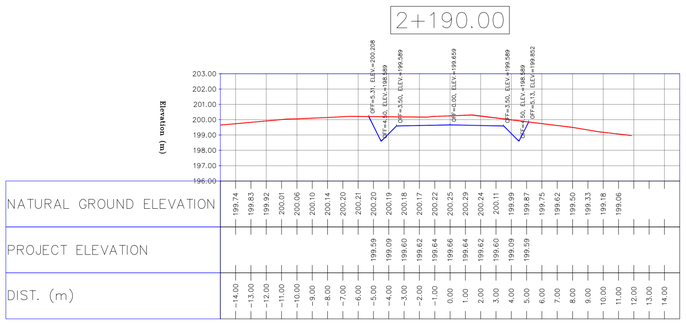
NATURAL GROUND ELEVATION	198.33	198.44	198.56	198.68	198.80	198.92	199.03	199.15	199.31	199.39	199.38	199.38	199.37	199.38	199.40	199.42	199.40	199.34	199.05	198.95	198.86	198.76	198.63	198.54	198.45	198.36	198.27	198.18
PROJECT ELEVATION									198.69	198.19	198.70	198.72	198.74	198.76	198.74	198.72	198.72	198.70	198.19	198.69								
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+180.00



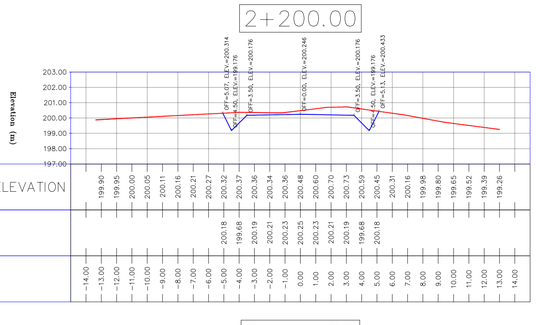
NATURAL GROUND ELEVATION	198.41	198.53	198.64	198.76	198.88	198.99	199.11	199.22	199.39	199.47	199.46	199.44	199.45	199.46	199.48	199.46	199.46	199.38	199.12	199.02	198.92	198.82	198.69	198.59	198.50	198.41	198.32	198.22
PROJECT ELEVATION									198.75	198.25	198.76	198.78	198.78	198.80	198.82	198.80	198.78	198.76	198.25	198.75								
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

2+190.00



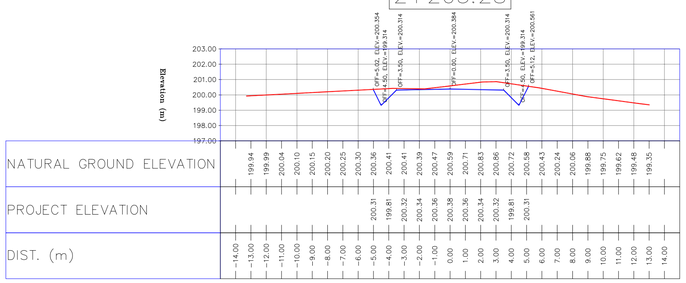
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PROJECT ELEVATION									199.59	199.09	199.60	199.62	199.64	199.66	199.64	199.62	199.62	199.60	199.09	199.59								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+200.00



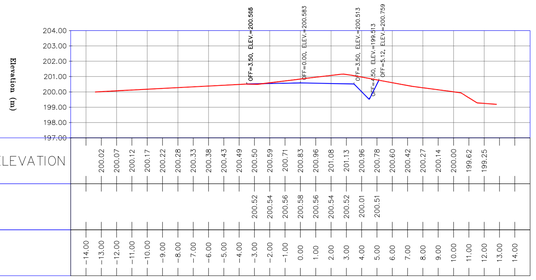
NATURAL GROUND ELEVATION	199.90	199.95	200.00	200.05	200.11	200.16	200.21	200.27	200.32	200.37	200.36	200.34	200.36	200.48	200.60	200.70	200.73	200.59	200.45	200.31	200.16	199.98	199.80	199.65	199.52	199.39	199.26	
PROJECT ELEVATION									200.18	199.68	200.19	200.21	200.23	200.25	200.23	200.21	200.19	199.68	200.18									
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+203.28



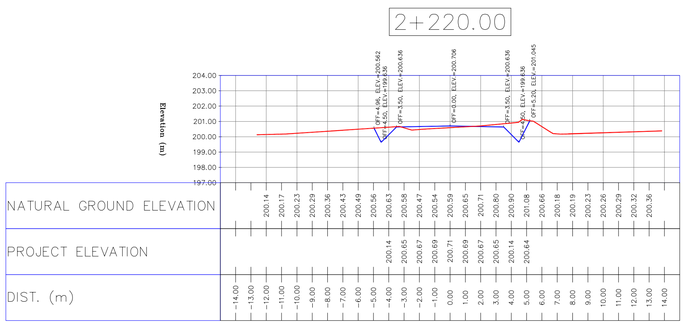
NATURAL GROUND ELEVATION	199.94	199.99	200.04	200.10	200.15	200.20	200.25	200.30	200.36	200.41	200.41	200.39	200.47	200.59	200.71	200.83	200.86	200.72	200.58	200.43	200.24	200.06	199.88	199.75	199.62	199.48	199.35	
PROJECT ELEVATION									200.31	199.81	200.32	200.34	200.36	200.38	200.36	200.34	200.32	199.81	200.31									
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

2+210.00



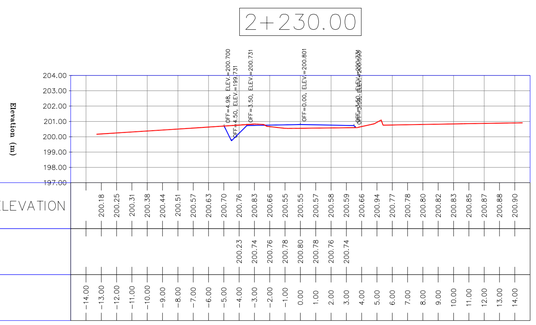
NATURAL GROUND ELEVATION	200.02	200.07	200.12	200.17	200.22	200.28	200.33	200.38	200.43	200.49	200.50	200.59	200.71	200.83	200.96	201.08	201.13	200.96	200.78	200.60	200.42	200.27	200.14	200.00	199.62	199.25		
PROJECT ELEVATION									200.52	200.54	200.56	200.58	200.56	200.54	200.52	200.01	200.51											
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

2+220.00



NATURAL GROUND ELEVATION	200.14	200.17	200.23	200.29	200.36	200.43	200.49	200.56	200.63	200.58	200.47	200.54	200.59	200.65	200.71	200.69	200.80	200.93	201.08	200.66	200.18	200.19	200.23	200.26	200.29	200.32	200.36	
PROJECT ELEVATION									200.14	200.65	200.67	200.69	200.69	200.67	200.67	200.65	200.65	200.14	200.64									
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

2+230.00



NATURAL GROUND ELEVATION	200.18	200.25	200.31	200.38	200.44	200.51	200.57	200.63	200.70	200.76	200.83	200.66	200.55	200.55	200.57	200.58	200.59	200.66	200.84	200.77	200.78	200.80	200.82	200.83	200.85	200.87	200.88	200.90
PROJECT ELEVATION									200.23	200.74	200.76	200.78	200.78	200.80	200.78	200.76	200.74											
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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

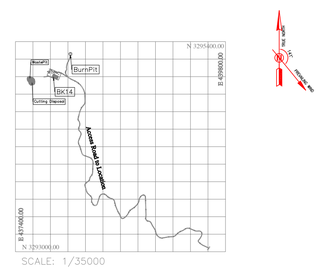
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
═══	ASPHALT ROAD	99.27	SPOT HEIGHT
═══	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
∿∿	DAYLIGHT		CULVERT

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

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	CHECKED	BY	DATE	REV. APPR.
***	**********	**.**	***.****	**.**		***.****	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

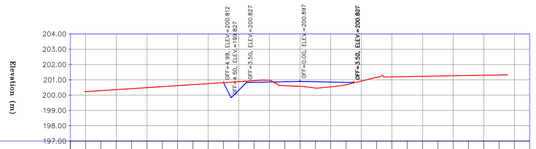
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

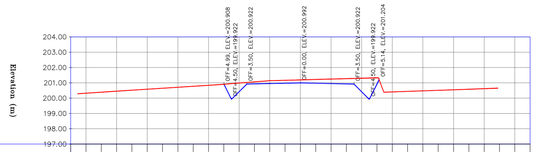
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2+240.00



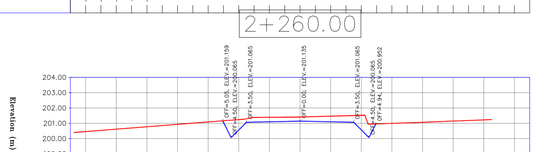
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NATURAL GROUND ELEVATION	200.23	200.29	200.36	200.42	200.49	200.55	200.62	200.68	200.75	200.81	200.88	200.94	200.97	200.62	200.57	200.46	200.55	200.68	200.92	201.16	201.19	201.21	201.23	201.25	201.26	201.28	201.30	201.32	
PROJECT ELEVATION								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

2+250.00



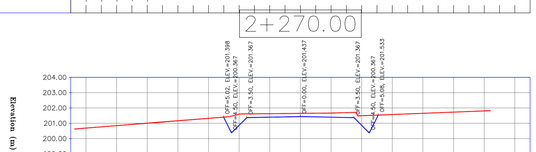
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NATURAL GROUND ELEVATION	200.32	200.39	200.45	200.52	200.58	200.65	200.71	200.78	200.84	200.91	200.98	201.06	201.14	201.16	201.19	201.22	201.25	201.27	201.30	201.33	200.40	200.44	200.48	200.51	200.55	200.58	200.62		
PROJECT ELEVATION											200.42	200.93	200.95	200.97	200.99	201.00	200.97	200.95	200.93	200.92										

2+260.00



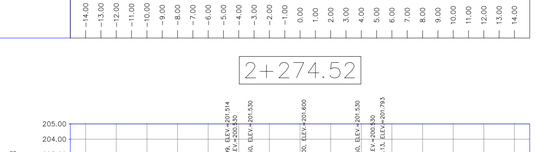
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NATURAL GROUND ELEVATION	200.45	200.53	200.61	200.69	200.77	200.85	200.93	201.01	201.08	201.16	201.24	201.38	201.39	201.40	201.41	201.43	201.46	201.49	201.52	200.95	200.99	201.03	201.07	201.10	201.14	201.18	201.22		
PROJECT ELEVATION										201.06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

2+270.00



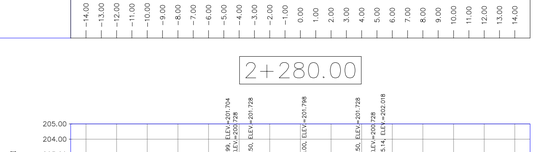
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NATURAL GROUND ELEVATION	200.68	200.76	200.84	200.92	201.00	201.08	201.16	201.24	201.32	201.40	201.59	201.62	201.63	201.64	201.65	201.66	201.67	201.70	201.49	201.53	201.57	201.61	201.65	201.69	201.73	201.77	201.80		
PROJECT ELEVATION										201.37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

2+274.52



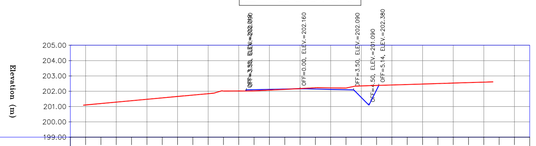
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NATURAL GROUND ELEVATION	200.78	200.86	200.94	201.02	201.10	201.18	201.26	201.34	201.42	201.51	201.71	201.72	201.74	201.75	201.76	201.77	201.78	201.79	201.75	201.79	201.83	201.87	201.90	201.93	201.96	201.99	202.02		
PROJECT ELEVATION											201.03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

2+280.00



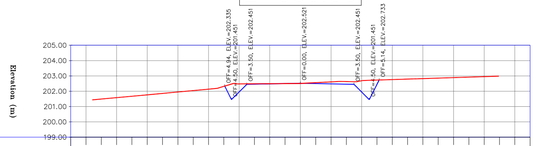
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	200.90	200.97	201.05	201.13	201.21	201.29	201.37	201.45	201.53	201.70	201.84	201.83	201.74	201.78	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									

2+290.00



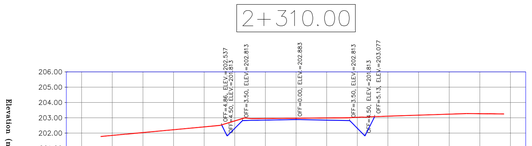
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	201.10	201.20	201.29	201.38	201.47	201.56	201.66	201.75	201.84	202.01	202.02	202.02	202.07	202.12	202.17	202.23	202.22	202.21	202.24	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										

2+300.00



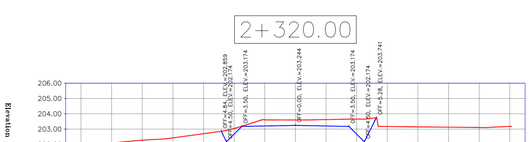
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION	201.49	201.58	201.67	201.77	201.86	201.95	202.04	202.14	202.32	202.48	202.48	202.49	202.50	202.51	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	202.48	202.50	202.52	202.50	202.46	202.46	201.95	202.45									

2+310.00



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	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										

2+320.00



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	202.09	202.19	202.28	202.34	202.43	202.56	202.70	202.84	202.67	203.04	203.34	203.60	203.20	203.22	203.24	203.22	203.20	203.18	202.67	203.17	203.16	203.15	203.14	203.13	203.12	203.11	203.13	203.17	
PROJECT ELEVATION																													

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

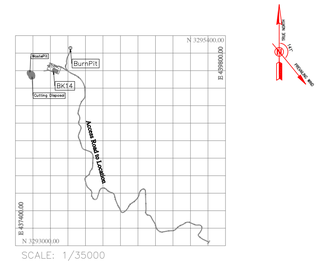
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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		BY	CHECKED	APPR.
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)

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	53 OF 90	D00

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

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

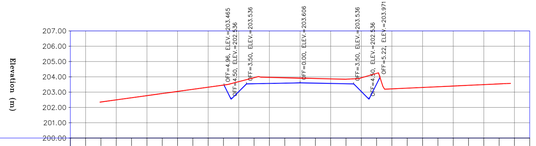
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	53	D00

2+330.00



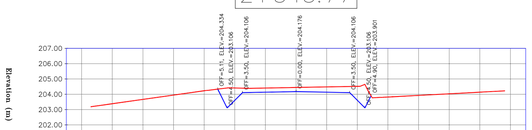
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PROJECT ELEVATION										203.04	203.55	203.57	203.59	203.61	203.59	203.57	203.55	203.54	203.54										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+340.00



NATURAL GROUND ELEVATION	202.93	203.07	203.21	203.35	203.49	203.63	203.77	203.91	204.05	204.26	204.10	204.09	204.14	204.20	204.25	204.31	204.36	204.42	203.72	203.60	203.65	203.69	203.74	203.79	203.84	203.89	203.94		
PROJECT ELEVATION										203.90	203.40	203.91	203.93	203.95	203.97	203.95	203.93	203.91	203.40										
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+345.77



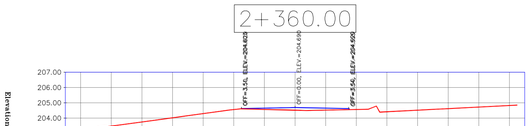
NATURAL GROUND ELEVATION	203.24	203.38	203.52	203.67	203.81	203.95	204.09	204.23	204.35	204.41	204.39	204.41	204.42	204.44	204.46	204.48	204.50	204.52	203.77	203.82	203.87	203.92	203.98	204.03	204.08	204.14	204.19		
PROJECT ELEVATION									204.11	203.61	204.12	204.14	204.16	204.18	204.16	204.16	204.14	204.12	203.61										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+350.00



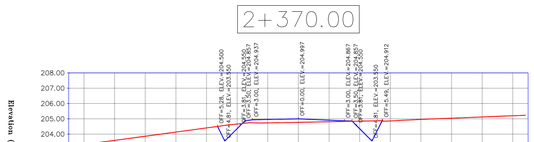
NATURAL GROUND ELEVATION	203.41	203.53	203.66	203.78	203.91	204.02	204.11	204.24	204.38	204.46	204.43	204.41	204.39	204.36	204.34	204.31	204.29	204.38	204.16	203.99	204.04	204.10	204.15	204.20	204.25	204.31	204.36		
PROJECT ELEVATION									204.26	203.76	204.27	204.29	204.31	204.33	204.31	204.29	204.27	203.76											
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+360.00



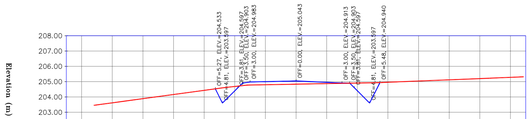
NATURAL GROUND ELEVATION	203.48	203.61	203.75	203.88	204.02	204.16	204.29	204.43	204.56	204.63	204.59	204.57	204.54	204.52	204.50	204.52	204.54	204.56	204.67	204.41	204.47	204.52	204.57	204.62	204.67	204.72	204.77	204.82	
PROJECT ELEVATION										204.63	204.65	204.67	204.69	204.67	204.65	204.65	204.63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

2+370.00



NATURAL GROUND ELEVATION	203.45	203.59	203.72	203.86	203.99	204.13	204.27	204.40	204.54	204.66	204.74	204.73	204.75	204.77	204.79	204.81	204.83	204.85	204.87	204.86	204.91	204.96	205.00	205.04	205.08	205.12	205.16	205.20	
PROJECT ELEVATION									203.94	204.36	204.94	204.98	205.00	204.95	204.91	204.87	204.36	203.94											
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+372.25



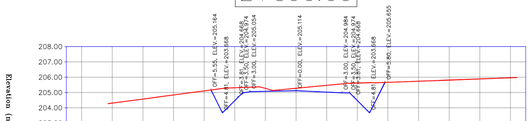
NATURAL GROUND ELEVATION	203.48	203.62	203.76	203.89	204.03	204.16	204.30	204.43	204.57	204.69	204.78	204.80	204.82	204.84	204.85	204.87	204.89	204.91	204.93	204.96	205.00	205.04	205.08	205.12	205.16	205.20	205.24	205.28	
PROJECT ELEVATION									203.98	204.40	204.98	205.00	205.02	205.04	205.00	204.96	204.91	204.40	203.98										
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+380.00



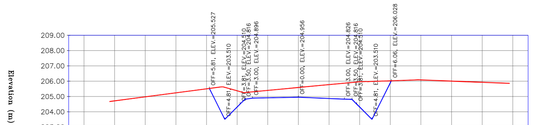
NATURAL GROUND ELEVATION	203.89	204.03	204.16	204.30	204.43	204.57	204.70	204.84	204.92	204.96	205.00	205.04	205.08	205.12	205.15	205.20	205.23	205.27	205.26	205.30	205.34	205.38	205.42	205.46	205.49	205.53	205.57		
PROJECT ELEVATION								204.08	204.50	204.92	205.01	205.05	205.10	205.12	205.10	205.08	204.50	204.08											
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

2+390.00



NATURAL GROUND ELEVATION	204.31	204.44	204.57	204.71	204.84	204.97	205.10	205.24	205.31	205.35	205.27	205.18	205.28	205.37	205.47	205.56	205.62	205.64	205.66	205.70	205.74	205.77	205.81	205.85	205.89	205.92	205.96		
PROJECT ELEVATION								204.06	204.47	205.05	205.07	205.09	205.11	205.07	205.03	204.98	204.47	204.06											
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+398.74



NATURAL GROUND ELEVATION	204.71	204.85	204.98	205.11	205.24	205.37	205.50	205.63	205.37	205.30	205.40	204.92	204.94	204.96	205.59	205.68	205.78	205.87	205.96	205.99	206.03	206.06	206.08	206.04	206.01	205.97	205.93	205.89	
PROJECT ELEVATION								203.90	204.32	204.90	204.92	204.94	204.96	204.91	204.87	204.83	204.36	203.90											
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

NOTES

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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".
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5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

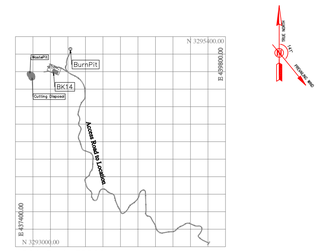
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60 / 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT

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

ABBREVIATION

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

KEY PLAN



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

CHECKED REV. APPR.

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

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	54 OF 90	D00

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

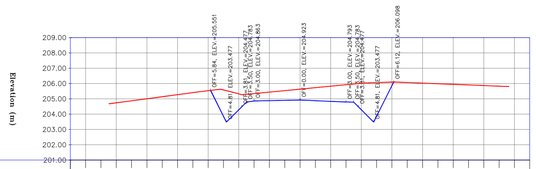
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

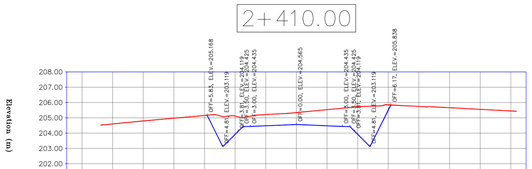
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2+400.00



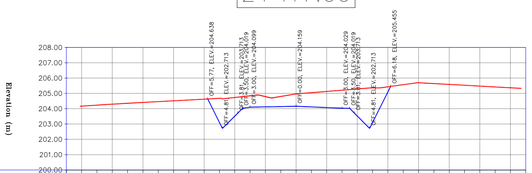
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PROJECT ELEVATION								203.86	204.28	204.86	204.88	204.90	204.92	204.88	204.84	204.79	204.28	203.86	205.86							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+410.00



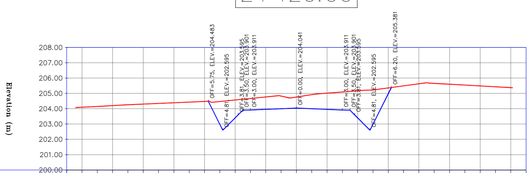
NATURAL GROUND ELEVATION	204.60	204.70	204.80	204.88	204.97	205.06	205.15	205.13	205.12	205.10	205.21	205.27	205.34	205.44	205.53	205.63	205.72	205.77	205.85	205.80	205.75	205.72	205.66	205.61	205.56	205.50	205.45
PROJECT ELEVATION								203.51	203.93	204.44	204.48	204.52	204.57	204.52	204.48	204.44	203.93	203.51	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

2+417.99



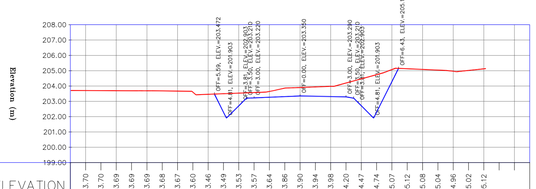
NATURAL GROUND ELEVATION	204.23	204.29	204.36	204.41	204.46	204.52	204.57	204.63	204.68	204.73	204.84	204.79	204.80	204.96	205.04	205.13	205.21	205.29	205.36	205.43	205.57	205.71	205.64	205.59	205.53	205.48	205.42	205.36
PROJECT ELEVATION								203.10	203.52	204.10	204.12	204.14	204.16	204.12	204.07	204.03	203.52	203.10	205.10									
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	14.06

2+420.00



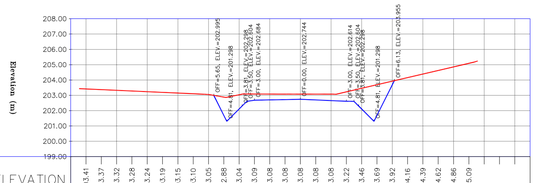
NATURAL GROUND ELEVATION	204.15	204.20	204.25	204.30	204.34	204.38	204.43	204.47	204.47	204.57	204.67	204.76	204.82	204.76	204.92	205.02	205.09	205.17	205.22	205.35	205.49	205.63	205.65	205.60	205.54	205.49	205.43	205.38
PROJECT ELEVATION								202.98	203.40	203.91	203.95	204.00	204.04	204.00	203.95	203.91	203.40	202.98	204.98									
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+430.00



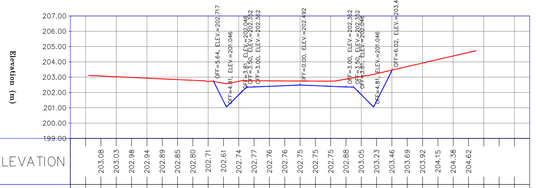
NATURAL GROUND ELEVATION	203.70	203.70	203.69	203.69	203.68	203.67	203.60	203.49	203.49	203.53	203.57	203.64	203.86	203.90	203.94	203.98	204.20	204.47	204.74	205.07	205.12	205.08	205.04	204.96	205.02	205.12
PROJECT ELEVATION								202.29	202.71	203.22	203.26	203.31	203.35	203.33	203.31	203.29	202.71	202.29	204.29							
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+437.25



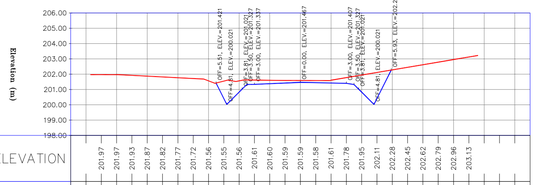
NATURAL GROUND ELEVATION	203.37	203.32	203.28	203.24	203.19	203.15	203.10	203.05	202.88	203.04	203.08	203.09	203.08	203.08	203.08	203.08	203.08	203.08	203.22	203.46	203.69	203.92	204.16	204.39	204.62	204.86	205.09
PROJECT ELEVATION								201.69	202.10	202.68	202.70	202.72	202.74	202.70	202.66	202.61	202.10	201.69	203.69								
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+440.00



NATURAL GROUND ELEVATION	203.08	203.03	202.98	202.94	202.89	202.85	202.80	202.71	203.61	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								201.43	201.85	202.36	202.41	202.45	202.49	202.45	202.41	202.36	201.85	201.43	203.43								
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+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	201.34	201.61	201.60	201.38	201.42	201.59	201.59	201.58	201.61	201.78	201.95	202.11	202.45	202.62	202.79	202.96	203.13
PROJECT ELEVATION								200.41	200.83	201.34	201.38	201.42	201.47	201.45	201.43	201.41	200.83	200.41	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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

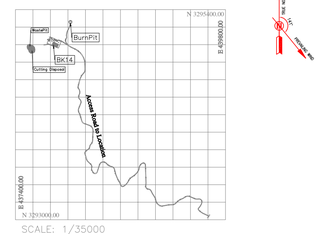
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
═══	ASPHALT ROAD	99.27	SPOT HEIGHT
═══	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
∿∿	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

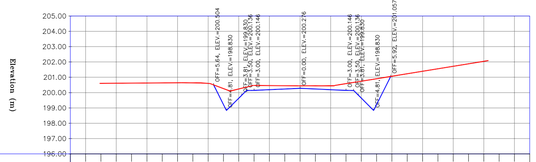
APPROVED FOR CONSTRUCTION | BY: | DATE:

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	55 OF 90	D00

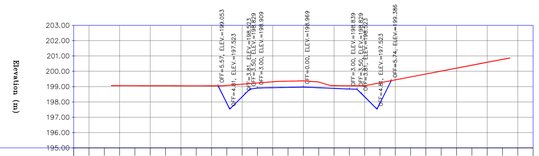
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2+460.00



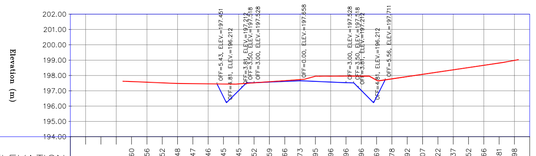
NATURAL GROUND ELEVATION	200.60	200.61	200.62	200.63	200.63	200.64	200.63	200.60	200.26	200.24	200.47	200.15	200.46	200.45	200.23	200.44	200.44	200.44	200.44	200.58	200.75	200.91	201.07	201.23	201.39	201.56	201.72	201.88	202.04
PROJECT ELEVATION								199.22		199.64		200.15		200.19	200.23	200.28	200.23	200.19	200.15		199.64	199.22		6.00	7.00	8.00	9.00	10.00	11.00	12.00
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

2+470.00



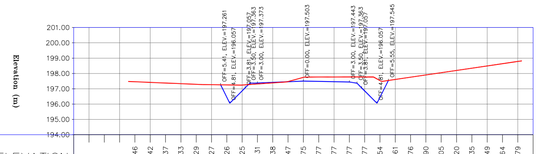
NATURAL GROUND ELEVATION	199.07	199.07	199.06	199.06	199.06	199.06	199.05	199.08	199.16	199.24	199.32	199.35	199.37	199.29	199.06	199.06	198.84	198.33	197.91	198.25	198.44	198.63	198.82	200.01	200.20	200.39	200.58	200.77
PROJECT ELEVATION								197.91		198.33		198.91	198.93	198.95	198.97	198.93	198.88		198.33	197.91								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+480.00



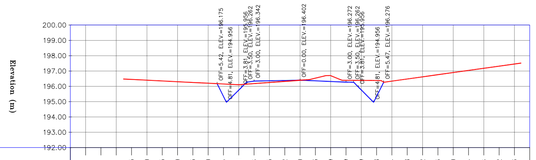
NATURAL GROUND ELEVATION	197.60	197.56	197.52	197.48	197.47	197.46	197.45	197.52	197.59	197.66	197.73	197.95	197.96	197.96	197.86	197.69	197.78	197.92	198.07	198.22	198.37	198.52	198.66	198.81	198.88			
PROJECT ELEVATION							196.60	197.02	197.53	197.57	197.61	197.61	197.57	197.53	197.02	196.60												
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+481.19



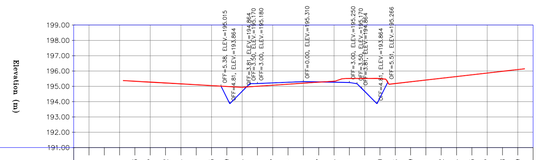
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PROJECT ELEVATION							196.44	196.86	197.37	197.42	197.46	197.50	197.48	197.46	197.44	196.86	196.44											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+490.00



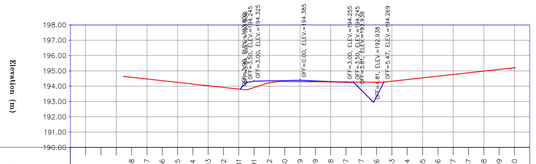
NATURAL GROUND ELEVATION	196.45	196.40	196.35	196.30	196.25	196.20	196.15	196.11	196.18	196.25	196.32	196.40	196.36	196.53	196.69	196.39	196.39	196.38	196.34	196.48	196.62	196.76	196.90	197.04	197.18	197.32	197.46	
PROJECT ELEVATION							195.34	195.76	196.34	196.36	196.38	196.40	196.36	196.32	196.27	195.76	195.34											
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+500.00



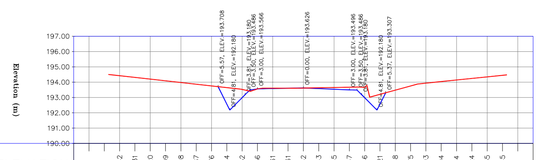
NATURAL GROUND ELEVATION	195.33	195.27	195.22	195.16	195.11	195.05	194.99	194.94	195.01	195.07	195.14	195.21	195.27	195.34	195.51	195.51	195.50	195.18	195.29	195.41	195.52	195.64	195.75	195.87	195.98	196.09		
PROJECT ELEVATION							194.25	194.67	195.18	195.22	195.27	195.31	195.29	195.27	195.25	194.67	194.25											
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+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	194.34	194.30	194.25	193.74	193.53													
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+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	193.63	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							192.57	192.99	193.57	193.59	193.61	193.63	193.58	193.54	193.50	192.99	192.57											
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

NOTES

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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
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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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60 / 50)
99.27 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

ABBREVIATION

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

KEY PLAN



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	CHECKED	BY	DATE	APPR.
***	**********		**.**		**.**		***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD		**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.		AUT.

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

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

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	56 OF 90	D00

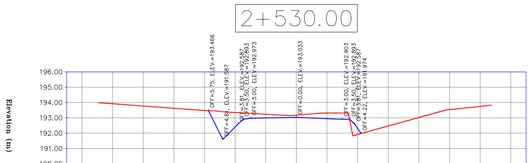
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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2+525.12



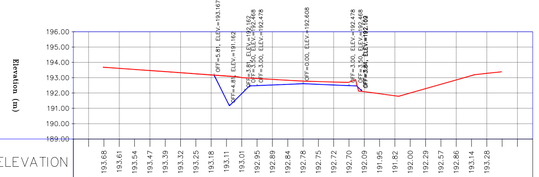
NATURAL GROUND ELEVATION	194.41	194.30	194.19	194.08	193.97	193.86	193.74	193.63	193.53	193.39	193.26	193.27	193.29	193.30	193.32	193.33	193.35	192.47	192.66	192.93	193.20	193.47	193.70	193.81	193.91	194.01	194.11
PROJECT ELEVATION										192.24	192.66	193.17	193.21	193.26	193.30	193.28	193.26	193.24	192.66	192.24							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+530.00



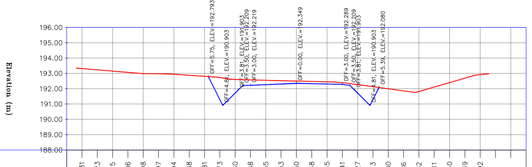
NATURAL GROUND ELEVATION	193.92	193.85	193.77	193.70	193.62	193.55	193.48	193.42	193.35	193.29	193.24	193.18	193.17	193.26	193.31	193.31	191.91	192.19	192.47	192.74	193.02	193.30	193.54	193.64	193.75
PROJECT ELEVATION								191.195	192.39	192.97	192.99	192.99	193.01	193.03	192.99	192.95	192.90	192.20							
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

2+540.00



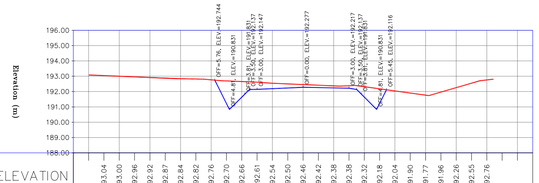
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PROJECT ELEVATION									191.55	191.97	192.48	192.52	192.56	192.61	192.56	192.52	192.52	192.48								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+550.00



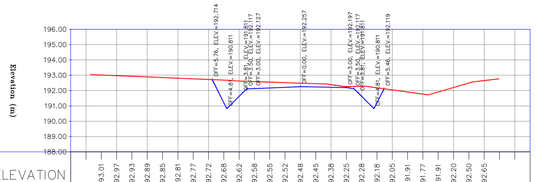
NATURAL GROUND ELEVATION	193.31	193.23	193.15	193.06	192.98	192.97	192.94	192.88	192.81	192.73	192.60	192.58	192.55	192.53	192.50	192.48	192.45	192.41	192.27	192.13	192.00	191.86	191.82	192.11	192.40	192.69	192.92
PROJECT ELEVATION										191.29	191.71	192.22	192.26	192.31	192.35	192.33	192.31	192.29	191.71	191.29							
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+555.58



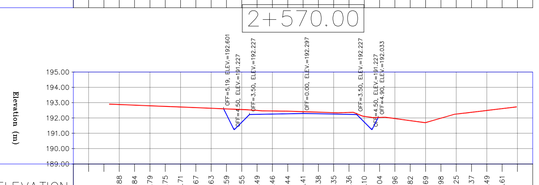
NATURAL GROUND ELEVATION	193.04	193.00	192.96	192.92	192.87	192.84	192.82	192.76	192.70	192.66	192.61	192.54	192.50	192.46	192.42	192.38	192.38	192.18	192.04	191.90	191.77	191.98	191.96	192.26	192.55	192.76
PROJECT ELEVATION											191.22	191.64	192.15	192.19	192.23	192.28	192.26	192.24	192.22	191.64	191.22					
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+560.00



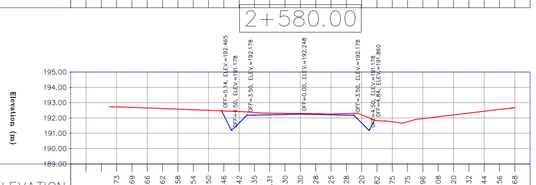
NATURAL GROUND ELEVATION	193.01	192.97	192.93	192.89	192.85	192.81	192.77	192.72	192.68	192.62	192.58	192.55	192.52	192.48	192.45	192.38	192.25	192.18	192.05	191.91	191.77	191.91	191.91	192.20	192.50	192.65
PROJECT ELEVATION										191.20	191.62	192.13	192.17	192.21	192.26	192.24	192.22	192.20	191.62	191.20						
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

2+570.00



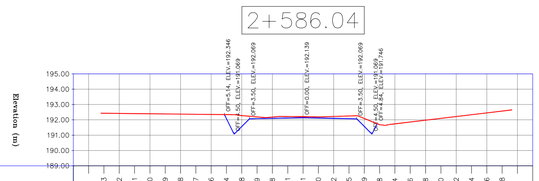
NATURAL GROUND ELEVATION	192.88	192.84	192.79	192.75	192.71	192.67	192.63	192.59	192.55	192.49	192.46	192.44	192.41	192.38	192.35	192.36	192.10	192.04	191.96	191.82	191.69	191.98	192.25	192.37	192.49	192.61
PROJECT ELEVATION									192.23	191.73	192.24	192.26	192.28	192.30	192.28	192.26	192.24	191.73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



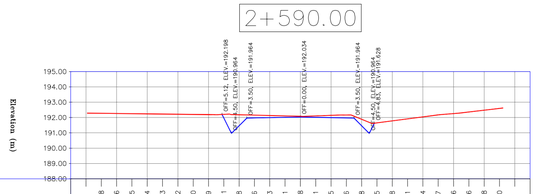
NATURAL GROUND ELEVATION	192.73	192.69	192.66	192.62	192.58	192.54	192.50	192.46	192.42	192.35	192.31	192.30	192.30	192.28	192.25	192.28	192.20	191.82	191.75	191.96	192.08	192.20	192.32	192.44	192.56	192.68
PROJECT ELEVATION								192.18	191.68	192.19	192.21	192.23	192.25	192.21	192.21	192.19	191.68									
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	191.88	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

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LEGEND

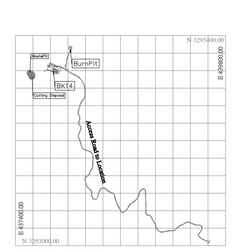
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
***	**********	**.**	***.****	**.**	***.****
		CHECKED		REV. APPR.	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

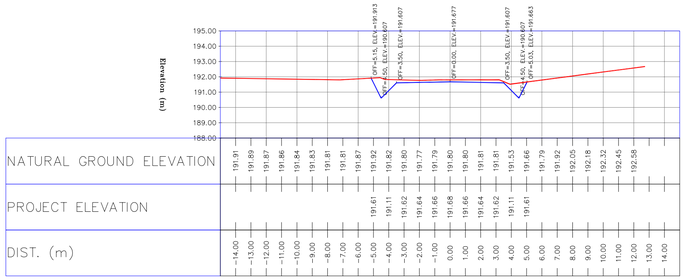
APPROVED FOR CONSTRUCTION | BY: | DATE:

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	57 OF 90	D00

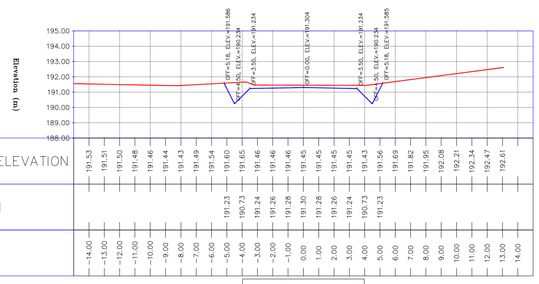
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053-073-9184	F	4	S	708209	57	D00

2+600.00



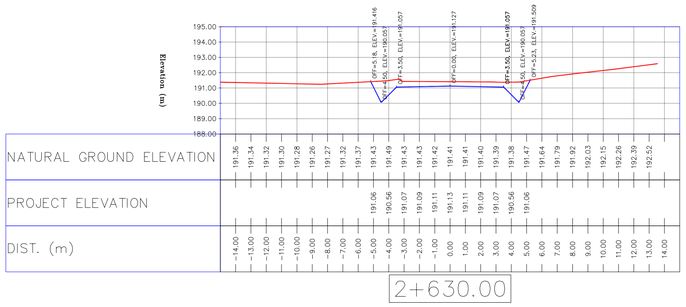
NATURAL GROUND ELEVATION	191.91	191.89	191.87	191.86	191.84	191.83	191.81	191.81	191.87	191.92	191.82	191.80	191.77	191.79	191.80	191.80	191.81	191.81	191.53	191.66	191.79	192.05	192.18	192.32	192.45	192.58		
PROJECT ELEVATION									191.61	191.11	191.62	191.64	191.66	191.68	191.66	191.64	191.62	191.11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

2+610.00



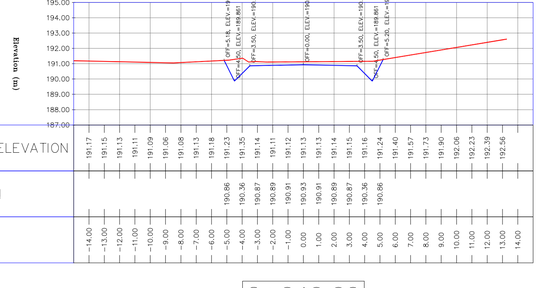
NATURAL GROUND ELEVATION	191.53	191.51	191.50	191.48	191.46	191.44	191.43	191.49	191.54	191.60	191.65	191.46	191.46	191.46	191.45	191.45	191.45	191.45	191.43	191.56	191.69	191.82	191.95	192.08	192.21	192.34	192.47	192.61
PROJECT ELEVATION										191.23	190.73	191.24	191.26	191.28	191.30	191.28	191.26	191.24	190.73	191.23								
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

2+614.76



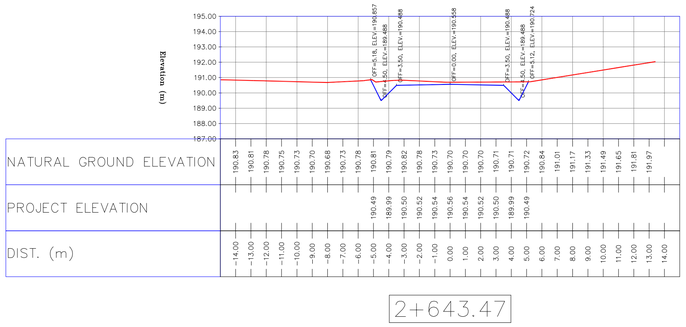
NATURAL GROUND ELEVATION	191.36	191.34	191.32	191.30	191.28	191.27	191.32	191.37	191.43	191.49	191.43	191.43	191.42	191.41	191.41	191.40	191.39	191.38	191.47	191.64	191.79	191.92	192.03	192.15	192.26	192.39	192.52	
PROJECT ELEVATION									191.06	190.56	191.07	191.09	191.11	191.13	191.11	191.09	191.07	190.56	191.06									
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+620.00



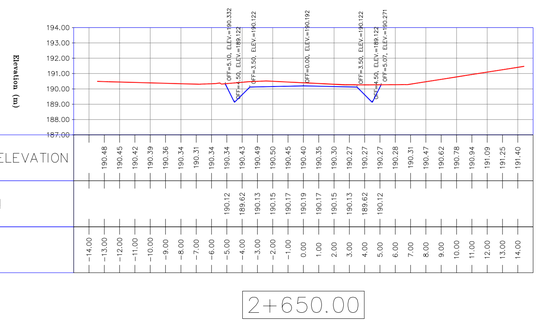
NATURAL GROUND ELEVATION	191.17	191.15	191.13	191.11	191.09	191.08	191.13	191.18	191.23	191.35	191.14	191.11	191.12	191.13	191.13	191.14	191.15	191.16	191.24	191.40	191.57	191.73	191.90	192.06	192.23	192.39	192.56	
PROJECT ELEVATION									190.86	190.36	190.87	190.89	190.91	190.93	190.91	190.89	190.87	190.36	190.86									
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

2+630.00



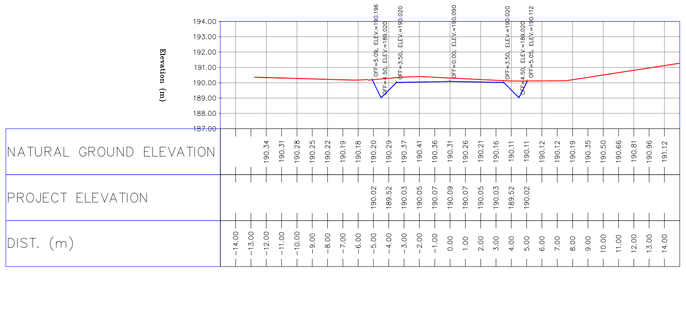
NATURAL GROUND ELEVATION	190.83	190.81	190.78	190.75	190.73	190.70	190.68	190.73	190.78	190.81	190.79	190.82	190.78	190.73	190.70	190.70	190.70	190.71	190.71	190.72	190.84	191.01	191.17	191.33	191.49	191.65	191.81	191.97
PROJECT ELEVATION									190.49	189.99	190.50	190.52	190.54	190.56	190.54	190.52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

2+640.00



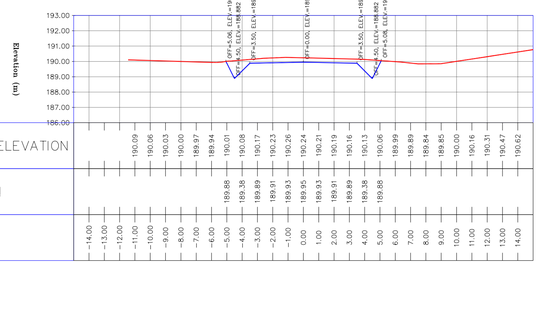
NATURAL GROUND ELEVATION	190.48	190.45	190.42	190.39	190.36	190.34	190.31	190.34	190.34	190.43	190.49	190.50	190.45	190.40	190.35	190.30	190.27	190.27	190.27	190.28	190.31	190.47	190.62	190.78	190.94	191.09	191.25	191.40
PROJECT ELEVATION									190.12	189.62	190.13	190.15	190.17	190.19	190.17	190.15	190.13	189.62	190.12									
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

2+643.47



NATURAL GROUND ELEVATION	190.34	190.31	190.28	190.25	190.22	190.19	190.18	190.20	190.29	190.37	190.41	190.36	190.31	190.26	190.21	190.16	190.11	190.11	190.12	190.12	190.19	190.35	190.50	190.66	190.81	190.96	191.12	
PROJECT ELEVATION									190.02	189.52	190.03	190.05	190.07	190.09	190.07	190.05	190.03	189.52	190.02									
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

2+650.00



NATURAL GROUND ELEVATION	190.09	190.06	190.03	190.00	189.97	189.94	190.01	190.08	190.17	190.23	190.26	190.24	190.21	190.19	190.16	190.13	190.06	189.99	189.89	189.84	189.85	190.00	190.16	190.31	190.47	190.62		
PROJECT ELEVATION									189.68	189.38	189.89	189.91	189.93	189.95	189.93	189.91	189.89	189.38	189.88									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

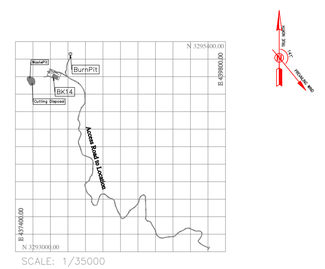
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

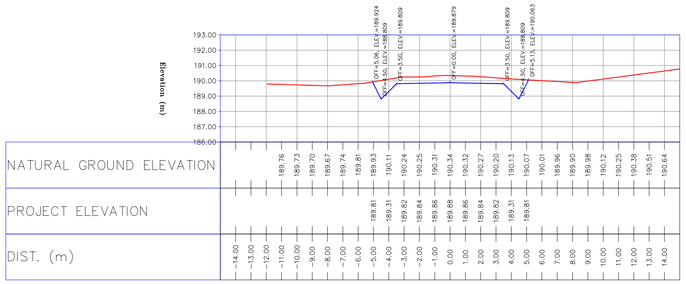
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

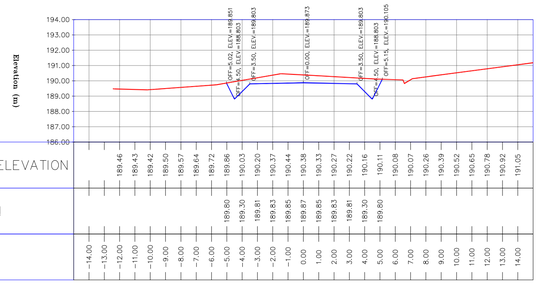
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	58 OF 90	D00	053-073-9184	F	4	S	708209	58	D00

2+660.00



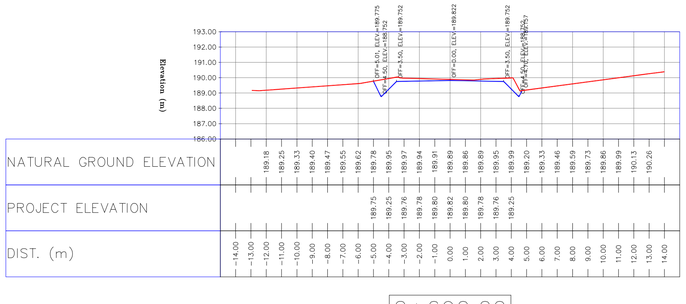
NATURAL GROUND ELEVATION	189.76	189.73	189.70	189.67	189.74	189.81	189.93	190.11	190.24	190.25	190.31	190.34	190.32	190.27	190.20	190.13	190.07	190.01	189.96	189.90	189.98	190.12	190.25	190.38	190.51	190.64
PROJECT ELEVATION							189.81	189.31	189.82	189.84	189.86	189.86	189.86	189.84	189.82	189.31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



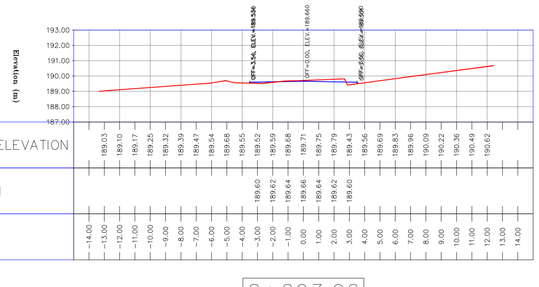
NATURAL GROUND ELEVATION	189.46	189.43	189.42	189.50	189.57	189.64	189.72	189.86	190.03	190.20	190.37	190.44	190.38	190.33	190.27	190.22	190.16	190.11	190.08	190.07	190.26	190.39	190.52	190.65	190.78	190.92	191.05
PROJECT ELEVATION								189.80	189.30	189.83	189.85	189.87	189.85	189.83	189.81	189.81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



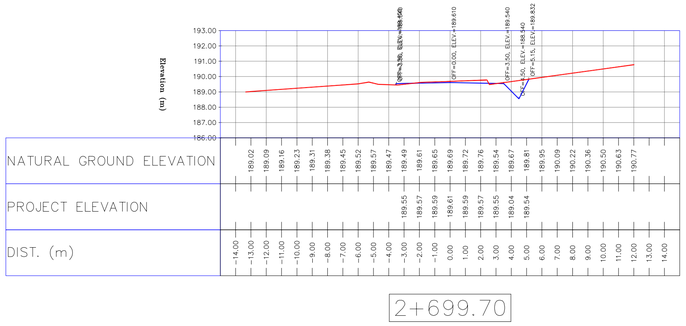
NATURAL GROUND ELEVATION	189.18	189.25	189.33	189.40	189.47	189.55	189.62	189.78	189.95	189.97	189.94	189.91	189.89	189.86	189.83	189.95	189.99	190.20	189.33	189.46	189.59	189.73	189.86	189.99	190.13	190.26
PROJECT ELEVATION								189.75	189.25	189.76	189.78	189.80	189.82	189.80	189.78	189.76	189.25									
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



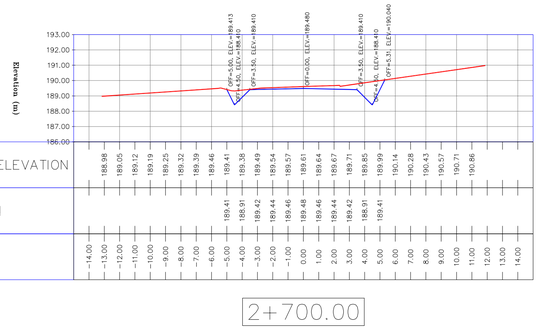
NATURAL GROUND ELEVATION	189.03	189.10	189.17	189.25	189.32	189.39	189.47	189.54	189.68	189.55	189.52	189.59	189.68	189.71	189.75	189.79	189.43	189.56	189.69	189.83	189.96	190.09	190.22	190.36	190.49	190.62
PROJECT ELEVATION											189.60	189.62	189.64	189.66	189.64	189.62	189.60									
DIST. (m)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



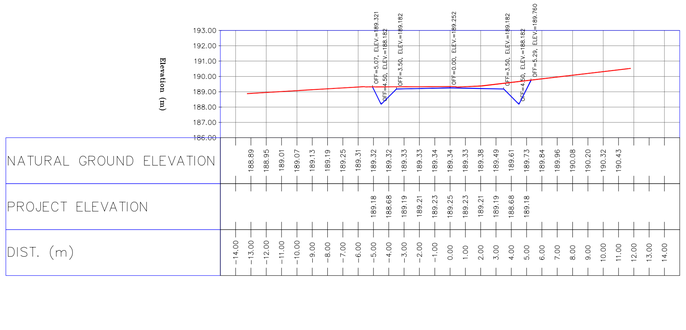
NATURAL GROUND ELEVATION	189.02	189.09	189.16	189.23	189.31	189.38	189.45	189.52	189.57	189.47	189.49	189.61	189.65	189.69	189.72	189.76	189.54	189.67	189.81	189.95	190.09	190.22	190.36	190.50	190.63	190.77
PROJECT ELEVATION											189.55	189.57	189.59	189.61	189.59	189.57	189.55	189.54								
DIST.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



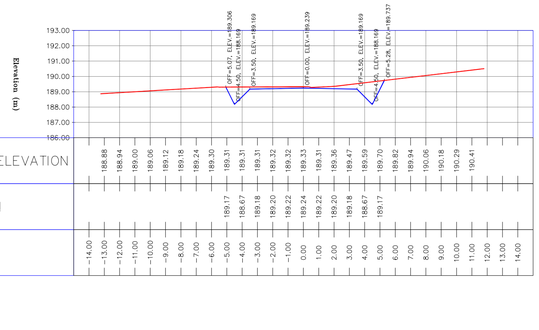
NATURAL GROUND ELEVATION	188.98	189.05	189.12	189.19	189.25	189.32	189.39	189.46	189.41	189.38	189.49	189.54	189.57	189.61	189.64	189.67	189.71	189.85	189.99	190.14	190.28	190.43	190.57	190.71	190.86
PROJECT ELEVATION										189.41	189.42	189.44	189.46	189.48	189.46	189.44	189.42	189.41							
DIST. (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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

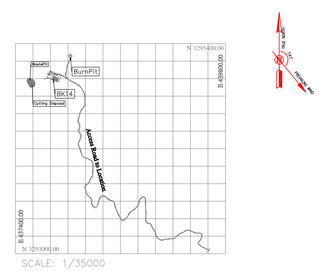
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	59 OF 90	D00

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

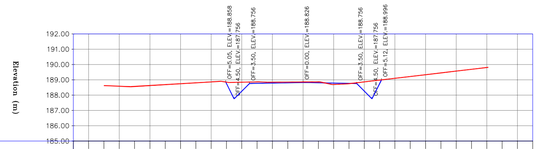
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

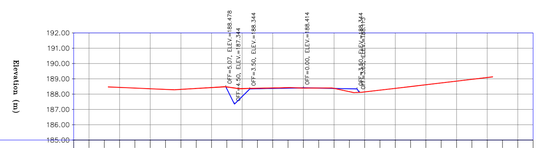
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053-073-9184	F	4	S	708209	59	D00

2+710.00



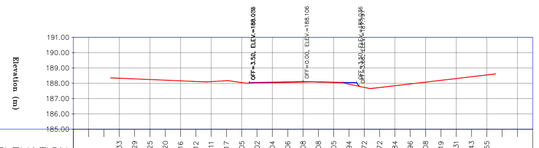
NATURAL GROUND ELEVATION	188.63	188.58	188.57	188.63	188.69	188.74	188.80	188.86	188.85	188.84	188.87	188.85	188.85	188.86	188.86	188.69	188.75	188.86	188.98	189.10	189.22	189.34	189.45	189.57	189.69	189.81		
PROJECT ELEVATION										188.76	188.26	188.77	188.79	188.81	188.53	188.81	188.79	188.77	188.26	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



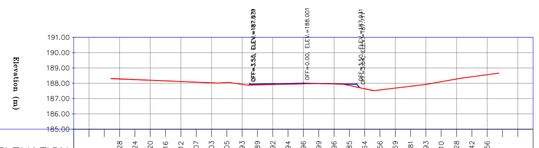
NATURAL GROUND ELEVATION	188.44	188.40	188.35	188.31	188.37	188.43	188.47	188.36	188.38	188.40	188.42	188.39	188.41	188.40	188.40	188.37	188.16	188.14	188.26	188.38	188.50	188.61	188.73	188.85	188.97	189.09		
PROJECT ELEVATION								188.34	187.84	188.36	188.38	188.37	188.39	188.41	188.39	188.37	188.35											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+727.45



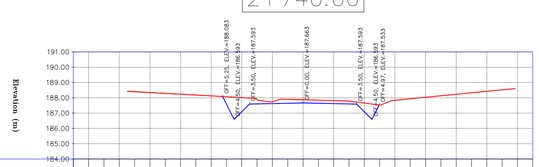
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PROJECT ELEVATION									188.05	188.07	188.09	188.11	188.09	188.07	188.05													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+730.00



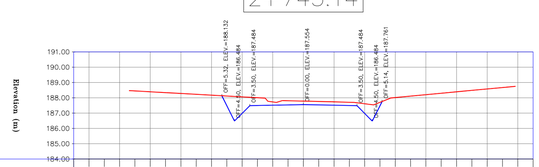
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PROJECT ELEVATION									187.84	187.96	187.88	188.00	187.88	187.96	187.94													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

2+740.00



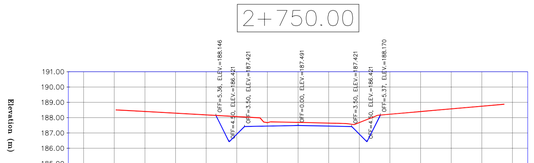
NATURAL GROUND ELEVATION	188.40	188.34	188.29	188.23	188.18	188.12	188.07	188.02	187.89	187.74	187.90	187.87	187.85	187.82	187.78	187.66	187.53	187.84	187.94	188.03	188.13	188.23	188.33	188.42	188.52			
PROJECT ELEVATION							187.59	187.09	187.60	187.62	187.64	187.66	187.64	187.62	187.60	187.09												
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



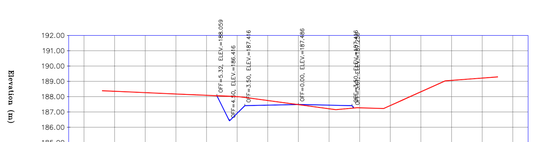
NATURAL GROUND ELEVATION	188.45	188.39	188.33	188.28	188.22	188.17	188.11	188.06	188.00	187.73	187.81	187.78	187.76	187.74	187.71	187.61	187.70	188.02	188.11	188.20	188.30	188.39	188.48	188.57	188.67			
PROJECT ELEVATION							187.48	186.98	187.49	187.51	187.53	187.55	187.53	187.51	187.49	186.98	187.48											
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



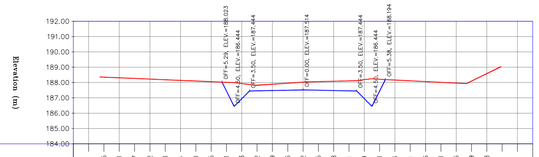
NATURAL GROUND ELEVATION	188.46	188.40	188.35	188.29	188.24	188.18	188.13	188.07	188.01	187.68	187.71	187.69	187.67	187.65	187.62	187.68	188.08	188.22	188.31	188.40	188.49	188.58	188.66	188.75	188.84			
PROJECT ELEVATION							187.42	186.92	187.43	187.45	187.47	187.49	187.47	187.45	187.43	186.92	187.42											
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



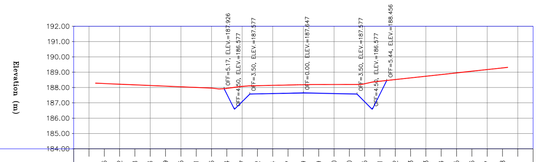
NATURAL GROUND ELEVATION	188.35	188.30	188.26	188.22	188.17	188.13	188.09	188.05	188.00	187.88	187.75	187.61	187.48	187.35	187.21	187.20	187.27	187.24	187.42	187.87	188.32	188.77	189.07	189.14	189.22	189.29		
PROJECT ELEVATION							187.42	186.92	187.43	187.45	187.47	187.49	187.47	187.45	187.43													
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	188.35	188.31	188.27	188.22	188.18	188.14	188.10	188.05	188.01	187.93	187.82	187.89	187.96	188.02	188.05	188.08	188.11	188.19	188.21	188.16	188.11	188.06	188.01	187.96	188.09	188.58		
PROJECT ELEVATION									187.44	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	188.19	188.20	188.20	188.25	188.41	188.52	188.63	188.73	188.84	188.95	189.06	189.17	189.28	
PROJECT ELEVATION									187.58	187.08	187.59	187.61	187.63	187.65	187.63	187.61	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

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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".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.

5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

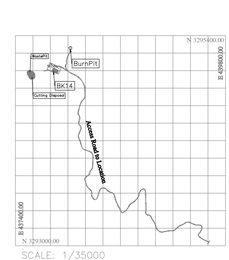
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD		BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

PT= POINT
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EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DESCRIPTION					
***	**********	**.**	***.****	**.**	***.****	
		BY	DATE	BY	DATE	
		CHECKED		REV. APPR.		
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	60 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

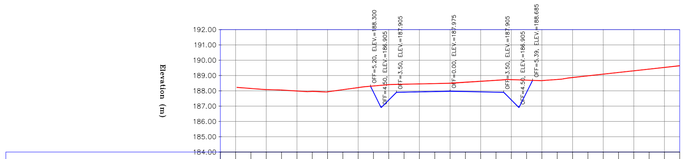
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

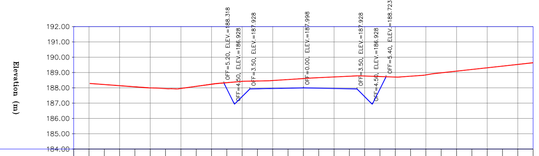
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	60	D00

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



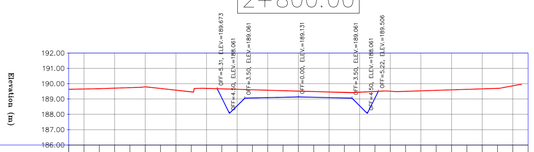
NATURAL GROUND ELEVATION	188.21	188.14	188.07	188.00	187.95	187.96	188.10	188.24	188.34	188.42	188.45	188.48	188.54	188.61	188.66	188.71	188.76	188.77	188.74	188.70	188.76	188.84	188.98	189.09	189.20	189.31	189.42	189.53	
PROJECT ELEVATION									187.93	187.43	187.94	187.96	187.98	188.00	187.98	187.96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



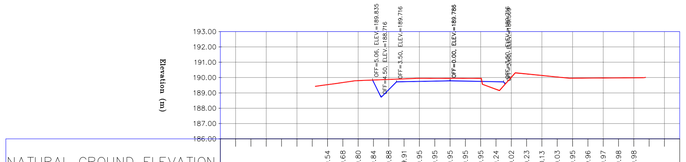
NATURAL GROUND ELEVATION	189.53	189.42	189.31	189.20	189.09	188.99	188.88	188.77	188.71	188.81	188.89	188.91	188.92	188.94	188.95	188.97	189.00	189.04	189.07	189.12	189.09	189.10	189.16	189.22	189.28	189.34	189.53	189.63	
PROJECT ELEVATION									188.40	187.90	188.41	188.43	188.45	188.47	188.45	188.43	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	14.06

2+800.00



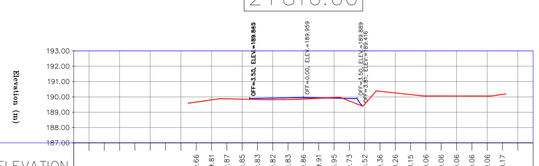
NATURAL GROUND ELEVATION	189.65	189.67	189.71	189.74	189.79	189.68	189.57	189.47	189.69	189.69	189.66	189.63	189.61	189.58	189.55	189.52	189.49	189.46	189.43	189.44	189.49	189.51	189.50	189.53	189.57	189.60	189.63	189.67	
PROJECT ELEVATION									189.06	188.56	189.07	189.09	189.07	189.11	189.13	189.11	189.09	189.07	188.56	189.06									
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+808.07



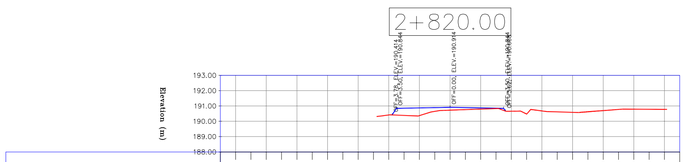
NATURAL GROUND ELEVATION	189.54	189.68	189.80	189.84	189.88	189.91	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	189.95	190.02	190.23	190.13	190.03	189.95	189.96	189.97	189.98	189.98	
PROJECT ELEVATION									189.72	189.22	189.73	189.75	189.77	189.79	189.77	189.75	189.73	189.22	189.73										
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	14.06

2+810.00



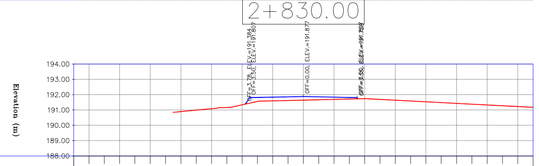
NATURAL GROUND ELEVATION	189.66	189.81	189.87	189.85	189.83	189.82	189.83	189.86	189.91	189.95	189.73	189.52	190.36	190.26	190.15	190.06	190.06	190.06	190.06	190.17									
PROJECT ELEVATION																													
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	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



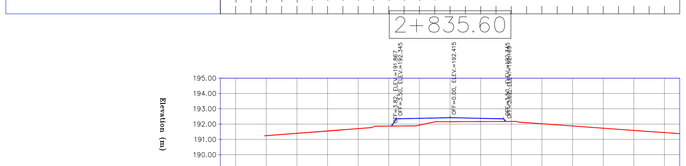
NATURAL GROUND ELEVATION	190.41	190.38	190.37	190.65	190.72	190.76	190.79	190.83	190.66	190.48	190.68	190.62	190.59	190.62	190.70	190.78	190.79	190.78											
PROJECT ELEVATION									190.85	190.87	190.89	190.91	190.89	190.87	190.85														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-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+830.00



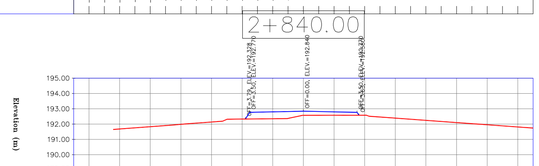
NATURAL GROUND ELEVATION	190.89	190.99	191.08	191.16	191.33	191.56	191.59	191.62	191.64	191.67	191.69	191.71	191.74	191.69	191.64	191.59	191.53	191.48	191.43	191.38	191.33	191.28	191.23						
PROJECT ELEVATION									191.82	191.84	191.86	191.88	191.86	191.84	191.82														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	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	192.16	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														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.06

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	192.57	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														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

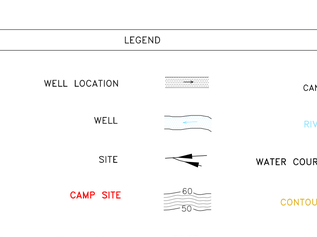
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
═══	ASPHALT ROAD	99.27	SPOT HEIGHT
═══	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
∿∿	DAYLIGHT		CULVERT

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

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	CHECKED	BY	DATE	REV. APPR.
***	**********	**.**	***.****	**.**	**.**	***.****	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	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 90	D00	053-073-9184	F	4	S	708209	61	D00

2+850.00



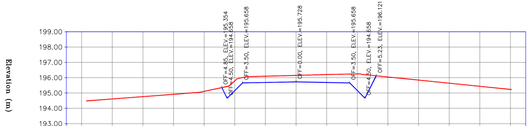
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-12.00	192.74	
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-10.00	192.89	
-9.00	192.97	
-8.00	193.04	
-7.00	193.12	
-6.00	193.36	
-5.00	193.37	
-4.00	193.38	193.74
-3.00	193.39	193.76
-2.00	193.38	193.78
-1.00	193.40	193.80
0.00	193.41	193.78
1.00	193.42	193.78
2.00	193.51	193.76
3.00	193.51	193.74
4.00	193.37	
5.00	193.30	
6.00	193.23	
7.00	193.15	
8.00	193.08	
9.00	193.01	
10.00	192.94	
11.00	192.86	
12.00	192.78	
13.00	192.70	
14.00	192.62	

2+860.00



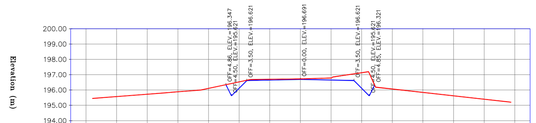
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
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-13.00	193.64	
-12.00	193.72	
-11.00	193.80	
-10.00	193.87	
-9.00	193.95	
-8.00	194.03	
-7.00	194.11	
-6.00	194.41	
-5.00	194.42	
-4.00	194.44	194.71
-3.00	194.57	194.73
-2.00	194.59	194.75
-1.00	194.62	194.77
0.00	194.64	194.75
1.00	194.66	194.73
2.00	194.69	194.71
3.00	194.55	
4.00	194.45	
5.00	194.35	
6.00	194.24	
7.00	194.14	
8.00	194.04	
9.00	193.94	
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11.00	193.74	
12.00	193.64	
13.00	193.54	
14.00		

2+870.00



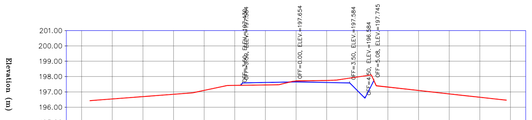
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-12.00	194.69	
-11.00	194.76	
-10.00	194.84	
-9.00	194.92	
-8.00	195.00	
-7.00	195.11	
-6.00	195.32	
-5.00	195.79	
-4.00	196.07	195.16
-3.00	196.10	195.67
-2.00	196.13	195.69
-1.00	196.15	195.71
0.00	196.18	195.73
1.00	196.20	195.71
2.00	196.23	195.69
3.00	196.25	195.67
4.00	196.14	195.16
5.00	196.04	195.66
6.00	195.94	
7.00	195.84	
8.00	195.74	
9.00	195.64	
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12.00	195.33	
13.00	195.23	
14.00		

2+880.00



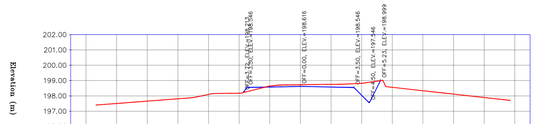
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	195.50	
-13.00	195.57	
-12.00	195.65	
-11.00	195.73	
-10.00	195.80	
-9.00	195.88	
-8.00	195.96	
-7.00	196.10	
-6.00	196.32	
-5.00	196.53	
-4.00	196.69	196.12
-3.00	196.70	196.63
-2.00	196.72	196.65
-1.00	196.67	196.67
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1.00	196.75	196.67
2.00	196.78	196.65
3.00	196.98	196.63
4.00	197.13	196.12
5.00	196.18	
6.00	196.07	
7.00	195.96	
8.00	195.85	
9.00	195.73	
10.00	195.62	
11.00	195.51	
12.00	195.40	
13.00	195.29	
14.00		

2+890.00



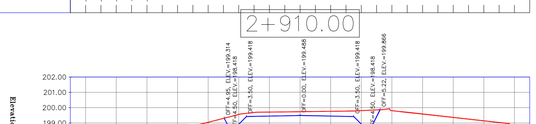
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.46	
-13.00	196.54	
-12.00	196.61	
-11.00	196.69	
-10.00	196.77	
-9.00	196.85	
-8.00	196.92	
-7.00	197.10	
-6.00	197.31	
-5.00	197.42	
-4.00	197.44	197.59
-3.00	197.45	197.61
-2.00	197.49	197.63
-1.00	197.71	197.65
0.00	197.73	197.63
1.00	197.74	197.61
2.00	197.82	197.59
3.00	197.97	197.38
4.00	197.92	197.38
5.00	197.31	
6.00	197.20	
7.00	197.09	
8.00	196.98	
9.00	196.87	
10.00	196.76	
11.00	196.65	
12.00	196.54	
13.00		
14.00		

2+900.00



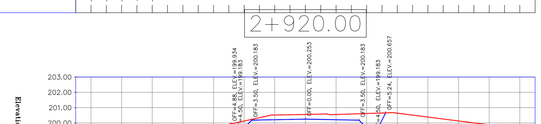
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	197.42	
-13.00	197.50	
-12.00	197.58	
-11.00	197.66	
-10.00	197.73	
-9.00	197.81	
-8.00	197.89	
-7.00	198.10	
-6.00	198.16	
-5.00	198.17	
-4.00	198.40	198.56
-3.00	198.64	198.58
-2.00	198.71	198.60
-1.00	198.73	198.62
0.00	198.74	198.60
1.00	198.75	198.58
2.00	198.77	198.56
3.00	198.82	198.05
4.00	198.97	198.55
5.00	198.56	
6.00	198.45	
7.00	198.34	
8.00	198.23	
9.00	198.12	
10.00	198.01	
11.00	197.89	
12.00	197.78	
13.00		
14.00		

2+910.00



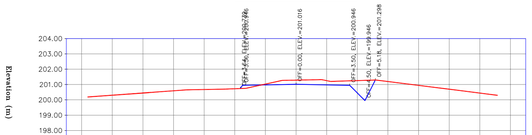
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	198.39	
-13.00	198.46	
-12.00	198.54	
-11.00	198.62	
-10.00	198.70	
-9.00	198.77	
-8.00	198.88	
-7.00	199.05	
-6.00	199.30	
-5.00	199.56	
-4.00	199.68	198.92
-3.00	199.71	199.43
-2.00	199.72	199.45
-1.00	199.74	199.47
0.00	199.75	199.47
1.00	199.76	199.45
2.00	199.77	199.43
3.00	199.80	198.92
4.00	199.85	199.42
5.00	199.80	
6.00	199.69	
7.00	199.58	
8.00	199.47	
9.00	199.36	
10.00	199.25	
11.00	199.14	
12.00	199.03	
13.00		
14.00		

2+920.00



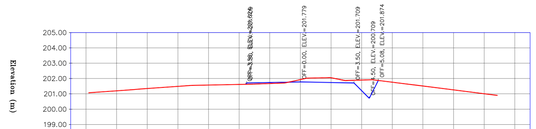
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	199.33	
-13.00	199.40	
-12.00	199.47	
-11.00	199.55	
-10.00	199.62	
-9.00	199.69	
-8.00	199.75	
-7.00	199.77	
-6.00	199.91	
-5.00	200.12	
-4.00	200.34	199.68
-3.00	200.52	200.19
-2.00	200.54	200.21
-1.00	200.56	200.23
0.00	200.58	200.25
1.00	200.55	200.23
2.00	200.59	200.21
3.00	200.62	199.68
4.00	200.65	200.18
5.00	200.64	
6.00	200.51	
7.00	200.39	
8.00	200.26	
9.00	200.13	
10.00	200.01	
11.00	199.88	
12.00	199.76	
13.00		
14.00		

2+930.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	200.23	
-13.00	200.30	
-12.00	200.37	
-11.00	200.45	
-10.00	200.52	
-9.00	200.59	
-8.00	200.65	
-7.00	200.67	
-6.00	200.69	
-5.00	200.72	
-4.00	200.81	200.96
-3.00	201.03	200.98
-2.00	201.25	201.00
-1.00	201.29	201.02
0.00	201.00	201.00
1.00	201.31	200.98
2.00	201.26	200.96
3.00	201.23	200.45
4.00	201.26	200.95
5.00	201.29	
6.00	201.20	
7.00	201.07	
8.00	200.95	
9.00	200.82	
10.00	200.69	
11.00	200.57	
12.00	200.44	
13.00	200.32	
14.00		

2+940.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	201.13	
-13.00	201.20	
-12.00	201.27	
-11.00	201.34	
-10.00	201.42	
-9.00	201.49	
-8.00	201.56	
-7.00	201.58	
-6.00	201.59	
-5.00	201.61	
-4.00	201.64	201.72
-3.00	201.68	201.74
-2.00	201.72	201.76
-1.00	201.76	201.78
0.00	201.93	201.76
1.00	202.04	201.74
2.00	202.05	201.72
3.00	201.87	201.72
4.00	201.90	201.21
5.00	201.68	201.71
6.00	201.76	
7.00	201.63	
8.00	201.51	
9.00	201.38	
10.00	201.26	
11.00	201.13	
12.00	201.00	
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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

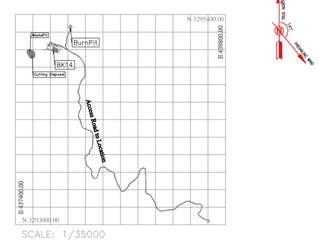
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	62 OF 90	D00

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

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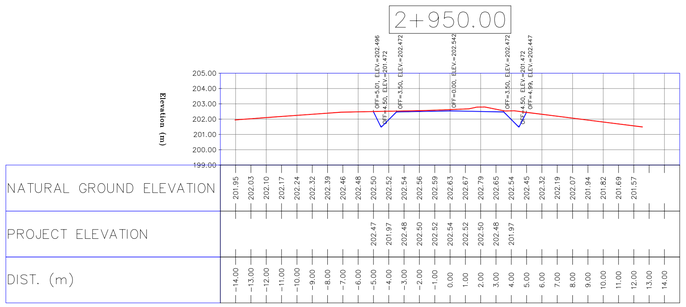
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

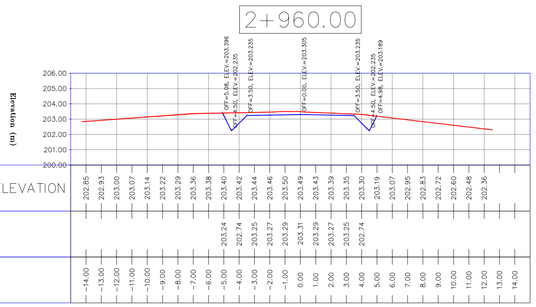
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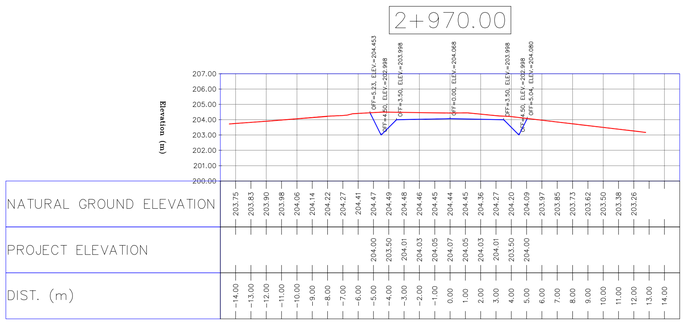
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

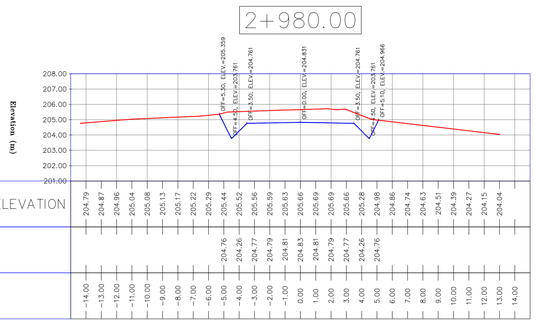
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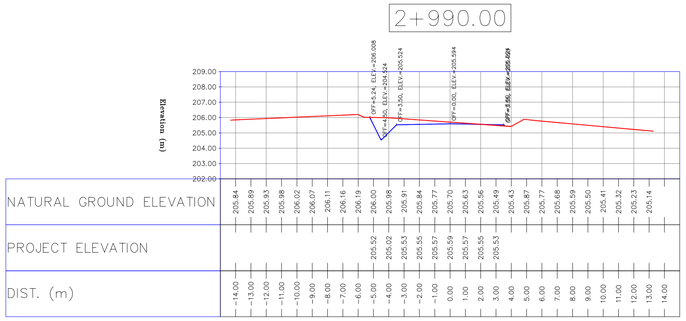
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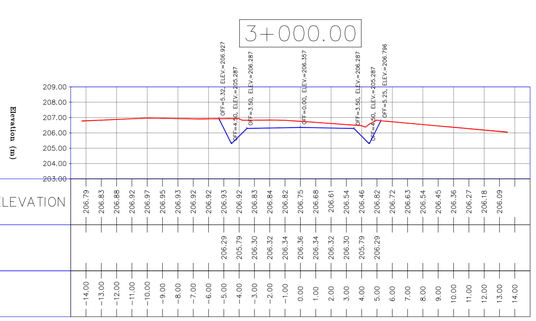


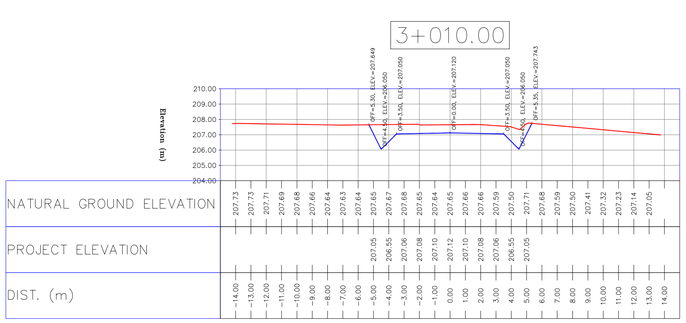


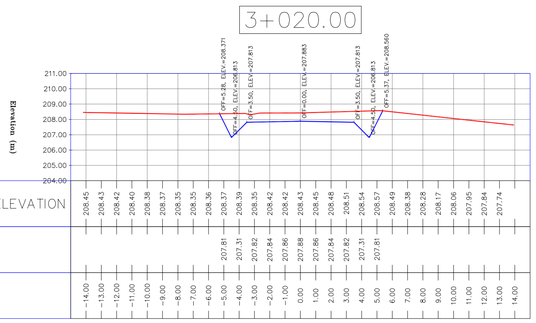












NOTES

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

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- "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

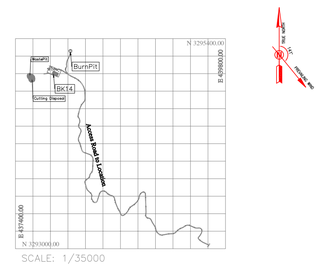
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

PT= POINT
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EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



SCALE: 1/35000

REV.	DESCRIPTION	BY	DATE	CHECKED BY	DATE	REV. APPR.
***	**********	**.**	***.****	**.**	***.****	
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

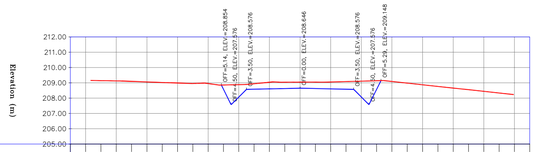
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

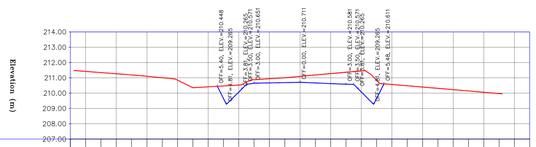
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	63 OF 90	D00	053–073–9184	F	4	S	708209	63	D00

3+030.00


Elevation (m)
212.00
211.00
210.00
209.00
208.00
207.00
206.00
205.00
OFF=5.14, ELEV.=208.854
PT, OFF=5.355, ELEV.=207.736
OFF=3.350, ELEV.=208.576
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PT, OFF=4.430, ELEV.=207.378
OFF=5.29, ELEV.=209.148

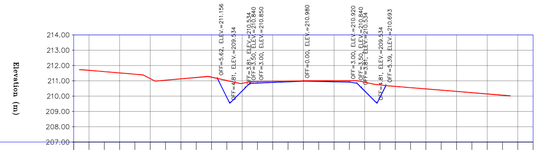
| | | |

3+080.00



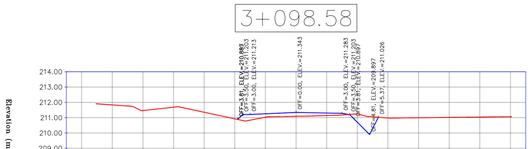
NATURAL GROUND ELEVATION	211.42	211.34	211.26	211.19	211.10	211.01	210.85	210.36	210.41	210.47	210.53	210.88	210.94	211.01	211.09	211.18	211.27	211.36	211.45	210.83	210.57	210.48	210.40	210.31	210.23	210.14	210.06	209.97
PROJECT ELEVATION										209.65	210.07	210.65	210.67	210.69	210.71	210.67	210.62	210.58	210.07	209.65								
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+090.00



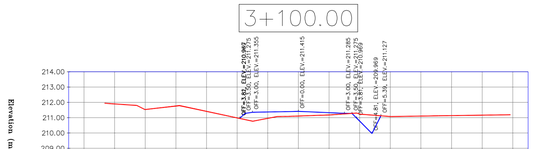
NATURAL GROUND ELEVATION	211.68	211.60	211.52	211.43	211.14	211.04	211.13	211.22	211.24	211.02	210.84	210.95	210.89	210.89	210.94	210.98	211.00	210.96	211.01	210.92	210.74	210.64	210.55	210.47	210.39	210.31	210.23	210.14	210.06
PROJECT ELEVATION										209.92	210.34	210.85	210.89	210.89	210.94	210.98	211.00	210.94	210.92	210.74	209.92								
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+098.58



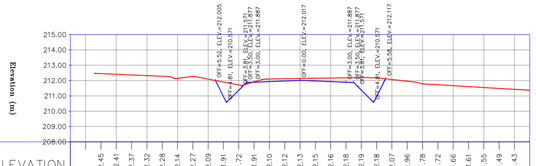
NATURAL GROUND ELEVATION	211.91	211.84	211.77	211.47	211.58	211.69	211.57	211.36	211.14	210.93	210.83	211.03	211.07	211.09	211.11	211.14	211.18	211.25	211.06	210.98	210.98	210.99	211.00	211.02	211.03	211.04	211.05	211.06
PROJECT ELEVATION										211.21	211.26	211.30	211.34	211.32	211.30	211.28	210.70	210.28										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+100.00



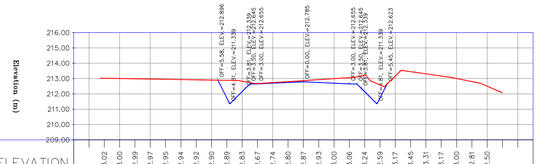
NATURAL GROUND ELEVATION	211.90	211.83	211.54	211.65	211.76	211.62	211.41	211.20	210.99	210.77	210.96	211.08	211.11	211.14	211.18	211.25	211.16	211.08	211.09	211.10	211.12	211.13	211.15	211.16	211.18
PROJECT ELEVATION									211.35	211.37	211.39	211.41	211.37	211.33	211.28	211.25	210.77	210.36							
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

3+110.00



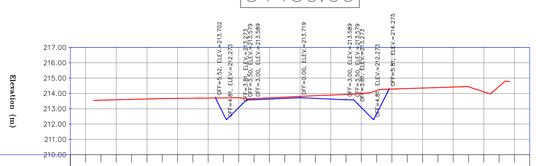
NATURAL GROUND ELEVATION	212.45	212.41	212.37	212.32	212.28	212.27	212.09	211.91	211.72	211.91	212.10	212.12	212.13	212.15	212.16	212.18	212.19	212.18	212.07	211.96	211.78	211.72	211.66	211.61	211.55	211.49	211.43
PROJECT ELEVATION								210.96	211.38	211.89	211.93	211.97	212.02	211.97	211.93	211.89	211.38	210.96									
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+120.00



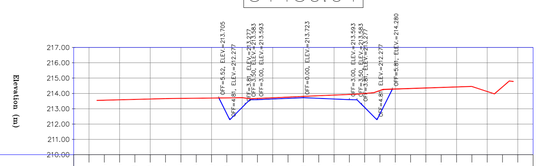
NATURAL GROUND ELEVATION	213.02	213.00	212.97	212.95	212.94	212.92	212.90	212.89	212.83	212.67	212.74	212.80	212.87	212.93	213.00	213.06	213.24	212.59	213.17	213.45	213.31	213.17	213.00	212.81	212.50
PROJECT ELEVATION								211.73	212.15	212.66	212.70	212.74	212.79	212.74	212.70	212.66	212.15	211.73							
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

3+130.00



NATURAL GROUND ELEVATION	213.56	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									212.66	213.08	213.59	213.63	213.68	213.72	213.68	213.63	213.59	213.08	212.66								
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

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									212.66	213.08	213.59	213.64	213.68	213.72	213.68	213.64	213.59	213.08	212.66								
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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

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

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	CHECKED	DATE	REV. APPR.	DATE
***	**********	**.**	***.****	**.**	***.****		
D00	OCT.2022	IFC	R.BERLOUD	M.FAKHARIAN	M.MEHRSHAD	**.**	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	65 OF 90	D00

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

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

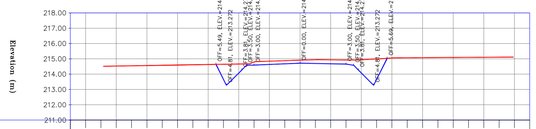
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

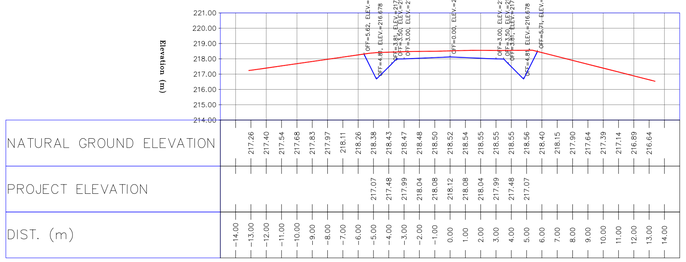
APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	65	D00

3+140.00

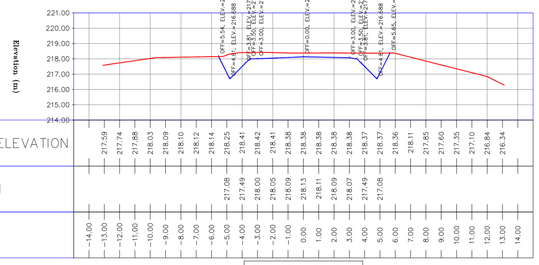

Elevation (m)
218.00
217.00
216.00
215.00
214.00
213.00
212.00
211.00
OFF=5.49, ELEV=214.637
OFF=6.91, ELEV=213.272
OFF=23.78, ELEV=214.478
OFF=25.20, ELEV=213.588
OFF=3.00, ELEV=214.378
OFF=-3.00, ELEV=214.378
OFF=-23.78, ELEV=214.588
OFF=-25.20, ELEV=213.588
OFF=-3.00, ELEV=214.637
OFF=-5.49, ELEV=214.637
OFF=-6.91, ELEV=213.272
OFF=-23.78, ELEV=214.478
OFF=-25.20, ELEV=213.588
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OFF=25.20, ELEV=213.588

3+190.00



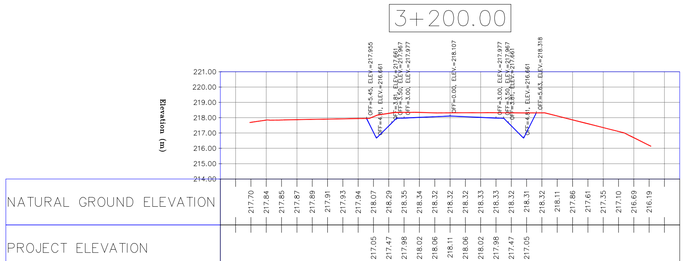
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		217.26
-13.00		217.40
-12.00		217.54
-11.00		217.68
-10.00		217.83
-9.00		217.97
-8.00		218.11
-7.00		218.26
-6.00		218.38
-5.00	217.027	218.43
-4.00	217.48	218.47
-3.00	217.99	218.48
-2.00	218.04	218.50
-1.00	218.08	218.52
0.00	218.12	218.54
1.00	218.08	218.54
2.00	218.04	218.55
3.00	217.99	218.55
4.00	217.48	218.55
5.00	217.07	218.56
6.00		218.40
7.00		218.15
8.00		217.90
9.00		217.64
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12.00		216.89
13.00		216.64
14.00		

3+197.57



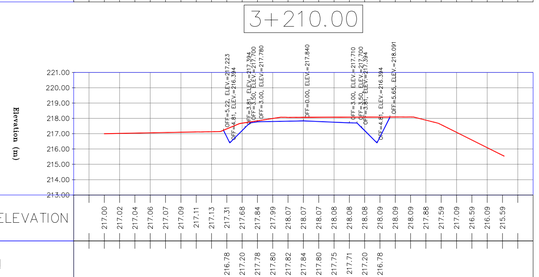
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
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-13.00		217.74
-12.00		217.88
-11.00		218.03
-10.00		218.09
-9.00		218.10
-8.00		218.12
-7.00		218.14
-6.00		218.25
-5.00	217.08	218.41
-4.00	217.49	218.42
-3.00	218.00	218.41
-2.00	218.05	218.38
-1.00	218.09	218.38
0.00	218.13	218.38
1.00	218.11	218.38
2.00	218.09	218.38
3.00	218.07	218.38
4.00	217.49	218.37
5.00	217.08	218.37
6.00		218.36
7.00		218.11
8.00		217.85
9.00		217.60
10.00		217.35
11.00		217.10
12.00		216.84
13.00		216.54
14.00		

3+200.00



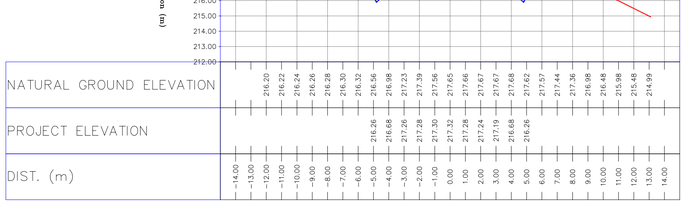
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
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-13.00		217.84
-12.00		217.85
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-10.00		217.89
-9.00		217.91
-8.00		217.93
-7.00		217.94
-6.00		218.07
-5.00	217.05	218.29
-4.00	217.47	218.35
-3.00	217.98	218.34
-2.00	218.02	218.32
-1.00	218.06	218.32
0.00	218.11	218.32
1.00	218.06	218.32
2.00	218.02	218.33
3.00	217.98	218.33
4.00	217.47	218.32
5.00	217.05	218.31
6.00		218.32
7.00		218.11
8.00		217.88
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



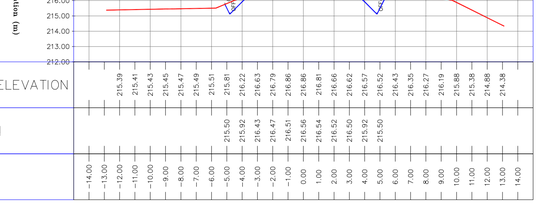
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		217.00
-13.00		217.02
-12.00		217.04
-11.00		217.06
-10.00		217.07
-9.00		217.09
-8.00		217.11
-7.00		217.13
-6.00		217.31
-5.00	216.78	217.68
-4.00	217.20	217.84
-3.00	217.78	217.99
-2.00	217.80	218.07
-1.00	217.82	218.07
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1.00	217.80	218.07
2.00	217.75	218.08
3.00	217.71	218.08
4.00	217.20	218.08
5.00	216.78	218.09
6.00		218.09
7.00		218.09
8.00		218.09
9.00		217.88
10.00		217.59
11.00		217.09
12.00		216.59
13.00		216.09
14.00		215.59

3+220.00



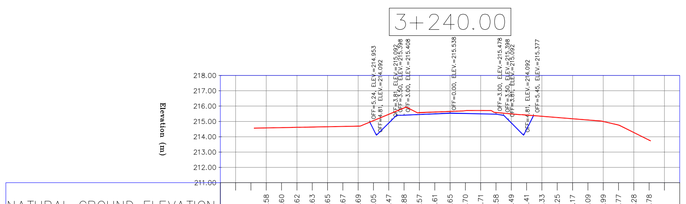
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		216.20
-13.00		216.22
-12.00		216.24
-11.00		216.26
-10.00		216.28
-9.00		216.30
-8.00		216.32
-7.00		216.56
-6.00		216.98
-5.00	216.26	217.23
-4.00	216.68	217.39
-3.00	217.26	217.56
-2.00	217.28	217.65
-1.00	217.30	217.66
0.00	217.32	217.67
1.00	217.28	217.67
2.00	217.24	217.67
3.00	217.19	217.68
4.00	216.68	217.62
5.00	216.26	217.57
6.00		217.44
7.00		217.36
8.00		216.98
9.00		216.48
10.00		215.98
11.00		215.48
12.00		214.99
13.00		
14.00		

3+230.00



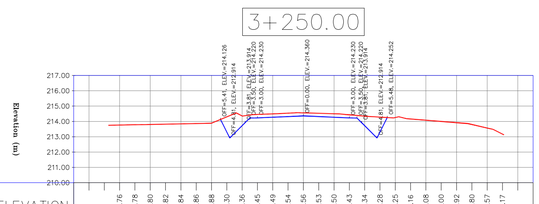
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		215.39
-13.00		215.41
-12.00		215.43
-11.00		215.45
-10.00		215.47
-9.00		215.49
-8.00		215.51
-7.00		215.81
-6.00		216.22
-5.00	215.50	216.43
-4.00	215.92	216.63
-3.00	216.43	216.79
-2.00	216.47	216.86
-1.00	216.51	216.86
0.00	216.56	216.86
1.00	216.54	216.81
2.00	216.52	216.66
3.00	216.50	216.62
4.00	215.92	216.57
5.00	215.50	216.62
6.00		216.43
7.00		216.35
8.00		216.27
9.00		216.19
10.00		215.88
11.00		215.38
12.00		214.88
13.00		214.38
14.00		

3+240.00



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND 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	214.48	215.88
-4.00	214.90	215.57
-3.00	215.41	215.61
-2.00	215.45	215.54
-1.00	215.49	215.65
0.00	215.54	215.70
1.00	215.52	215.71
2.00	215.50	215.58
3.00	215.48	215.49
4.00	214.90	215.41
5.00	214.48	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)	PROJECT ELEVATION	NATURAL GROUND 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	213.30	214.45
-4.00	213.72	214.49
-3.00	214.23	214.54
-2.00	214.27	214.56
-1.00	214.32	214.56
0.00	214.36	214.53
1.00	214.32	214.50
2.00	214.27	214.43
3.00	214.23	214.34
4.00	213.72	214.28
5.00	213.30	214.25
6.00		214.16
7.00		214.08
8.00		214.00
9.00		213.92
10.00		213.80
11.00		213.57
12.00		213.17
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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

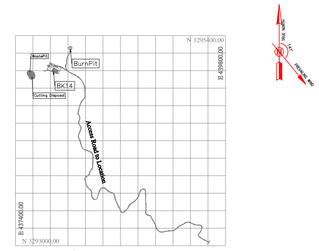
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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.
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

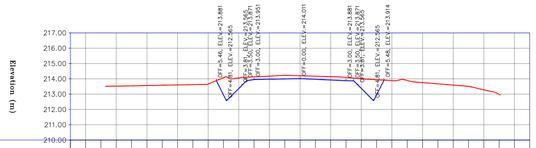
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	67 OF 90	D00

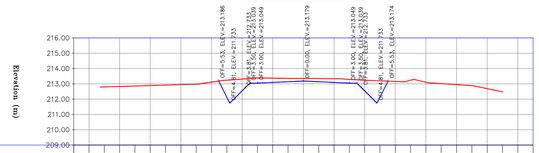
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3+252.96



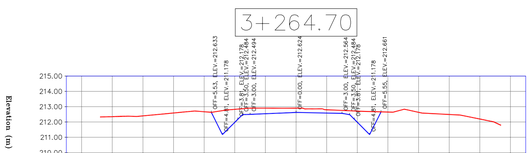
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PROJECT ELEVATION								212.95	213.37	213.95	213.97	213.99	214.01	213.97	213.92	213.88	213.37	212.95								
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+260.00



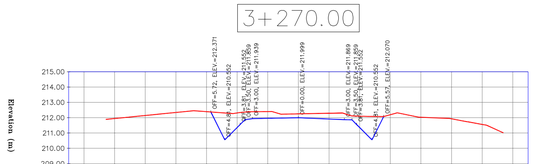
NATURAL GROUND ELEVATION	212.80	212.83	212.86	212.89	212.92	212.95	212.98	213.11	213.24	213.31	213.38	213.37	213.36	213.35	213.34	213.34	213.29	213.23	213.20	213.16	213.24	213.11	213.01	212.95	212.89	212.69	212.47
PROJECT ELEVATION								212.12	212.54	213.05	213.09	213.14	213.18	213.14	213.09	213.05	212.54	212.12									
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+264.70



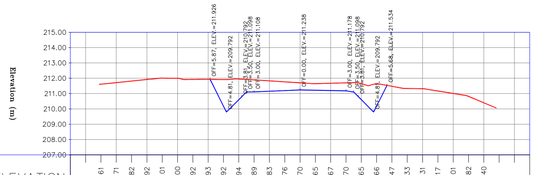
NATURAL GROUND ELEVATION	212.35	212.38	212.40	212.49	212.59	212.68	212.67	212.71	212.83	212.90	212.90	212.90	212.90	212.86	212.80	212.76	212.71	212.68	212.65	212.82	212.63	212.54	212.49	212.39	212.19	211.97
PROJECT ELEVATION								211.57	211.98	212.49	212.54	212.58	212.62	212.60	212.58	212.56	211.98	211.57								
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+270.00



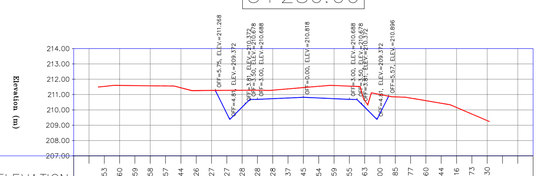
NATURAL GROUND ELEVATION	211.95	212.04	212.14	212.24	212.44	212.39	212.32	212.31	212.39	212.40	212.23	212.25	212.27	212.29	212.27	212.10	212.08	212.19	212.21	212.03	211.99	211.93	211.74	211.56	211.18
PROJECT ELEVATION							210.94	211.36	211.94	211.96	211.98	212.00	211.96	211.91	211.87	211.36	210.94								
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+276.44



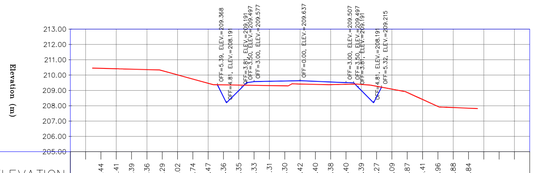
NATURAL GROUND ELEVATION	211.61	211.71	211.82	211.92	212.01	212.00	211.92	211.93	211.92	211.94	211.89	211.83	211.76	211.70	211.65	211.67	211.70	211.65	211.47	211.33	211.31	211.17	211.01	210.82	210.40
PROJECT ELEVATION								210.18	210.60	211.11	211.19	211.24	211.22	211.20	211.18	211.18	210.60	210.18									
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+280.00



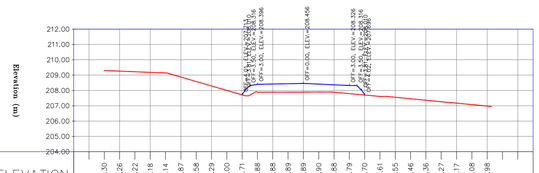
NATURAL GROUND ELEVATION	211.53	211.60	211.59	211.58	211.57	211.44	211.26	211.27	211.27	211.26	211.28	211.28	211.37	211.45	211.54	211.59	211.55	210.63	211.00	210.85	210.77	210.60	210.44	210.16	209.73	209.30
PROJECT ELEVATION							209.76	210.18	210.69	210.73	210.77	210.82	210.77	210.73	210.69	210.18	209.76									
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+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	209.31	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								208.58	209.00	209.58	209.60	209.62	209.64	209.59	209.55	209.51	209.00	208.58									
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+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										207.72	208.40	208.42	208.44	208.46	208.41	208.37	208.33	207.72									
DIST. (m)	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

NOTES

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HORIZONTAL COORDINATE SYSTEM:	WGS84/UTM ZONE 39
ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
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VERTICAL DATUM:	MSL

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LEGEND

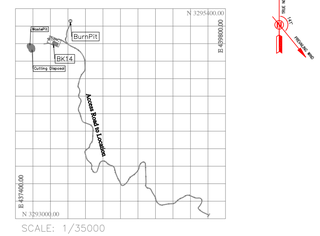
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

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

KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
				CHECKED	REV. APPR.
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	68 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

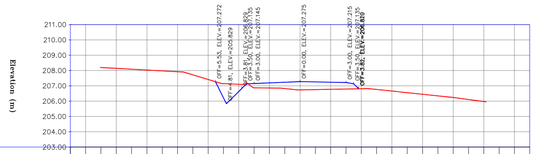
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

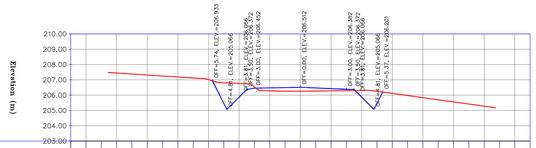
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3+310.00



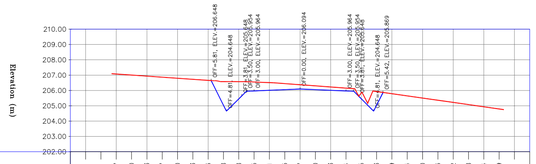
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PROJECT ELEVATION									206.22	206.64	207.15	207.19	207.23	207.28	207.26	207.24	207.22												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+316.46



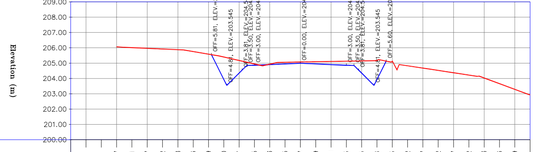
NATURAL GROUND ELEVATION	207.44	207.38	207.31	207.25	207.19	207.12	207.01	206.81	206.76	206.53	206.28	206.26	206.26	206.27	206.43	206.28	206.30	206.31	206.25	206.11	205.98	205.84	205.70	205.56	205.42	205.28			
PROJECT ELEVATION								205.45	205.87	206.45	206.47	206.49	206.51	206.47	206.43	206.38	205.87	205.45											
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



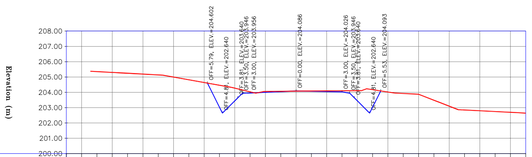
NATURAL GROUND ELEVATION	207.07	207.00	206.93	206.87	206.80	206.73	206.66	206.58	206.55	206.51	206.45	206.37	206.30	206.23	206.16	205.85	205.93	205.79	205.64	205.50	205.36	205.22	205.08	204.94	204.79				
PROJECT ELEVATION								205.04	205.45	205.96	206.01	206.05	206.09	206.05	206.01	205.96	205.45	205.04											
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+330.00



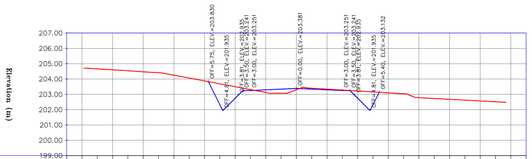
NATURAL GROUND ELEVATION	206.07	206.01	205.97	205.92	205.88	205.76	205.59	205.40	205.17	204.95	204.93	204.90	204.95	205.05	204.99	204.95	205.09	205.11	204.90	204.86	205.13	205.15	205.18	205.13	204.82	204.67	204.52	204.37	204.22	204.03	203.66	203.29			
PROJECT ELEVATION								203.93	204.35	204.86	204.90	204.95	205.05	204.99	204.95	204.90	204.86	204.35	203.93										
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

3+340.00



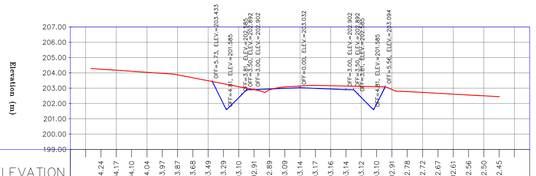
NATURAL GROUND ELEVATION	205.35	205.30	205.25	205.19	205.14	205.08	204.82	204.64	204.46	204.27	204.03	204.06	204.04	204.07	204.09	204.09	204.09	204.11	204.17	204.02	203.93	203.87	203.49	203.10	202.84	202.79	202.74	202.69	
PROJECT ELEVATION								203.03	203.45	203.96	204.00	204.04	204.09	204.07	204.05	204.03	203.45	203.03											
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+350.00



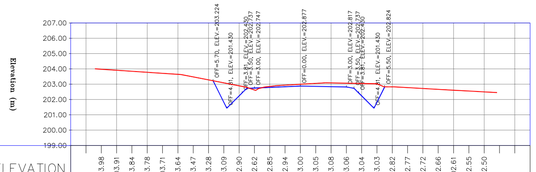
NATURAL GROUND ELEVATION	204.66	204.59	204.53	204.47	204.41	204.35	204.06	203.88	203.69	203.50	203.31	203.12	203.07	203.30	203.40	203.34	203.28	203.22	203.16	203.04	203.10	202.78	202.73	202.68	202.62	202.57	202.52		
PROJECT ELEVATION								202.32	202.74	203.25	203.29	203.34	203.38	203.34	203.29	203.25	202.74	202.32											
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	202.99	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								201.97	202.39	202.90	202.94	202.99	203.03	202.99	202.94	202.90	202.39	201.97											
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+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	202.82	202.75	202.62	202.85	202.83	202.94	203.00	202.86	202.84	202.82	202.82	202.77	202.72	202.66	202.61	202.55	202.50		
PROJECT ELEVATION								201.82	202.24	202.75	202.79	202.83	202.88	202.86	202.84	202.82	202.24	201.82											
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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK–BK14–PEDCO–110–CV–DW–0001	69 OF 90	D00

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

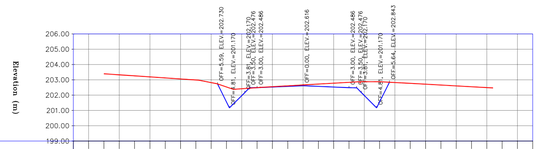
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

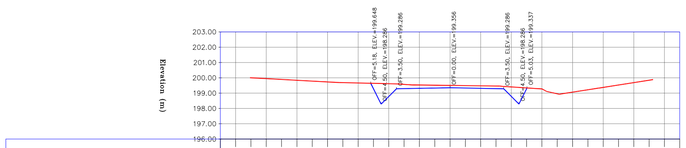
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	S	708209	69	D00

3+368.01


Elevation (m)
206.00
205.00
204.00
203.00
202.00
201.00
200.00
199.00
OFF=5.59, ELEV=202.730
OFF=5.85, ELEV=201.173
OFF=5.85, ELEV=201.173
OFF=3.50, ELEV=202.496
OFF=3.50, ELEV=202.496
OFF=0.00, ELEV=202.614
OFF=3.50, ELEV=202.496
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OFF=4.85, ELEV=201.173
OFF=5.64, ELEV=202.843

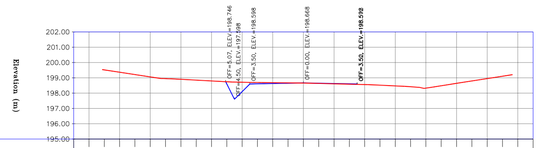
| | | |

3+440.00



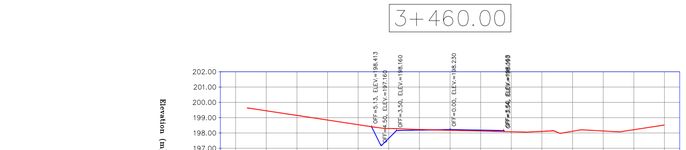
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NATURAL GROUND ELEVATION	200.00	199.95	199.89	199.84	199.79	199.74	199.69	199.67	199.64	199.62	199.58	199.53	199.52	199.51	199.49	199.48	199.47	199.40	199.34	199.27	198.96	199.06	199.22	199.38	199.53	199.69	199.85		
PROJECT ELEVATION										199.29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

3+450.00



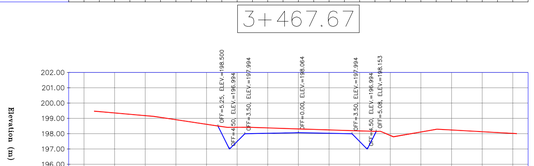
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NATURAL GROUND ELEVATION	199.52	199.37	199.21	199.06	198.95	198.90	198.85	198.80	198.74	198.71	198.70	198.68	198.67	198.66	198.63	198.61	198.58	198.56	198.52	198.47	198.42	198.33	198.48	198.64	198.80	198.95	199.11		
PROJECT ELEVATION										198.60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

3+460.00



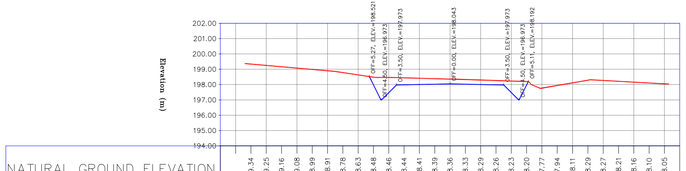
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NATURAL GROUND ELEVATION	199.61	199.45	199.30	199.15	199.00	198.85	198.70	198.55	198.39	198.30	198.27	198.23	198.20	198.18	198.15	198.13	198.11	198.08	198.06	198.11	198.05	198.11	198.19	198.13	198.08	198.21	198.37		
PROJECT ELEVATION									198.16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

3+467.67



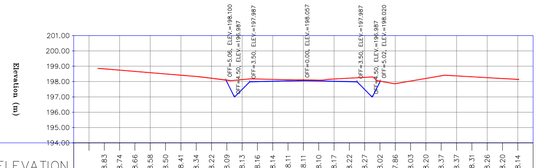
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NATURAL GROUND ELEVATION	199.44	199.36	199.27	199.18	199.07	198.92	198.76	198.61	198.46	198.42	198.41	198.38	198.34	198.31	198.28	198.25	198.21	198.18	198.15	197.89	197.94	198.11	198.28	198.24	198.18	198.13	198.07	198.02	
PROJECT ELEVATION								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

3+470.00



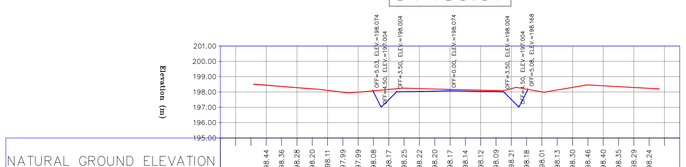
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NATURAL GROUND ELEVATION	199.34	199.25	199.16	199.08	198.99	198.91	198.78	198.63	198.48	198.46	198.44	198.41	198.39	198.36	198.33	198.29	198.26	198.23	198.20	197.77	197.94	198.11	198.29	198.27	198.21	198.16	198.10	198.05	
PROJECT ELEVATION								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

3+480.00



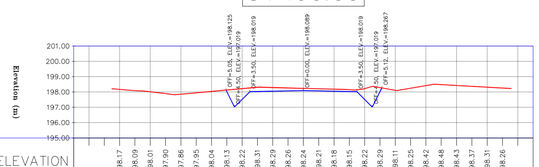
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NATURAL GROUND ELEVATION	198.83	198.74	198.66	198.58	198.50	198.41	198.34	198.22	198.09	198.13	198.16	198.14	198.11	198.11	198.10	198.17	198.22	198.27	198.02	197.86	198.03	198.20	198.37	198.37	198.31	198.26	198.20	198.14	
PROJECT ELEVATION								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

3+485.37



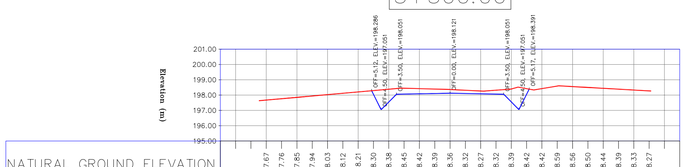
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NATURAL GROUND ELEVATION	198.44	198.36	198.28	198.20	198.11	197.99	197.99	198.08	198.17	198.25	198.22	198.20	198.17	198.14	198.12	198.09	198.21	198.18	198.01	198.13	198.30	198.46	198.40	198.35	198.29	198.24			
PROJECT ELEVATION										198.00	197.50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

3+490.00



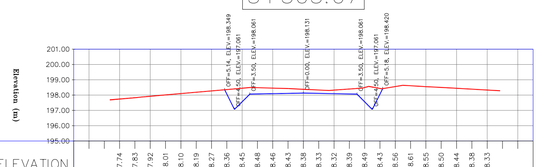
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NATURAL GROUND ELEVATION	198.17	198.09	198.01	197.90	197.86	197.95	198.04	198.13	198.22	198.31	198.29	198.26	198.24	198.21	198.18	198.15	198.22	198.29	198.11	198.25	198.42	198.48	198.43	198.37	198.31	198.26			
PROJECT ELEVATION										198.02	197.52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

3+500.00



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	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										

3+503.07



DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
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	198.33	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									

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

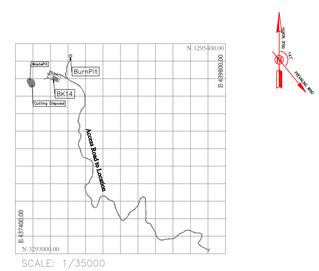
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	71 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

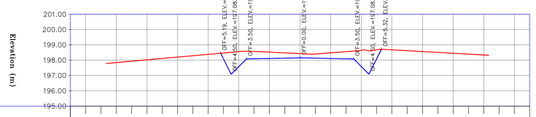
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

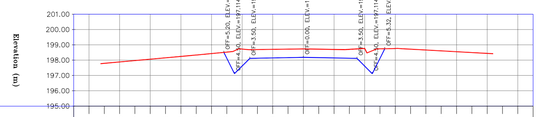
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	71	D00

3+510.00



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
PROJECT ELEVATION										198.08	197.58	198.09	198.11	198.13	198.15	198.13	198.11	198.09	197.58	198.08									
NATURAL GROUND ELEVATION	197.84	197.93	198.02	198.11	198.20	198.29	198.38	198.47	198.56	198.57	198.57	198.52	198.47	198.43	198.40	198.48	198.55	198.65	198.68	198.68	198.62	198.56	198.51	198.45	198.40	198.34			

3+520.00



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
PROJECT ELEVATION										198.11	197.61	198.12	198.14	198.16	198.18	198.16	198.14	198.12	197.61	198.11									
NATURAL GROUND ELEVATION	197.79	197.88	197.97	198.06	198.15	198.24	198.33	198.43	198.52	198.72	198.69	198.71	198.72	198.74	198.72	198.70	198.70	198.70	198.76	198.74	198.76	198.72	198.66	198.61	198.55	198.50	198.44		

3+530.00



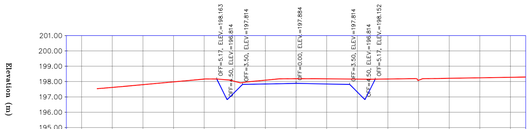
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PROJECT ELEVATION										198.05	197.55	198.06	198.08	198.10	198.12	198.10	198.08	198.06	197.55	198.05									
NATURAL GROUND ELEVATION	197.71	197.80	197.89	197.98	198.08	198.17	198.27	198.36	198.48	198.77	198.71	198.64	198.58	198.51	198.47	198.49	198.52	198.52	198.22	198.47	198.49	198.51	198.53	198.56	198.58	198.60			

3+535.01



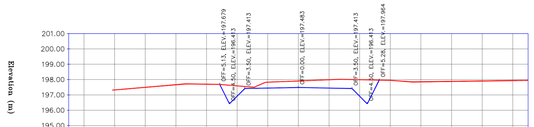
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PROJECT ELEVATION										197.95	197.45	197.96	197.98	198.00	198.02	198.00	197.98	197.96	197.45	197.95									
NATURAL GROUND ELEVATION	197.64	197.72	197.81	197.90	198.00	198.09	198.19	198.28	198.37	198.25	198.24	198.23	198.25	198.27	198.28	198.30	198.32	198.34	198.36	198.05	198.33	198.35	198.37	198.39	198.41	198.42	198.44		

3+540.00



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
PROJECT ELEVATION										197.81	197.31	197.82	197.84	197.86	197.88	197.86	197.84	197.82	197.31	197.81									
NATURAL GROUND ELEVATION	197.53	197.62	197.70	197.80	197.89	197.98	198.07	198.16	198.15	198.01	198.00	198.00	198.09	198.18	198.18	198.19	198.18	198.17	198.16	198.15	198.16	198.18	198.08	198.19	198.21	198.23	198.24	198.26	198.28

3+550.00



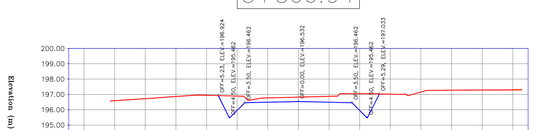
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
PROJECT ELEVATION										197.41	196.91	197.42	197.44	197.46	197.48	197.46	197.44	197.42	196.91	197.41									
NATURAL GROUND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

3+560.00



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
PROJECT ELEVATION										196.86	196.36	196.87	196.89	196.91	196.93	196.91	196.89	196.87	196.36	196.86									
NATURAL GROUND ELEVATION	196.92	197.00	197.07	197.15	197.23	197.26	197.24	197.22	197.20	197.27	197.39	197.42	197.46	197.49	197.52	197.55	197.59	197.57	197.55	197.52	197.51	197.52	197.53	197.54	197.55	197.56	197.57		

3+566.94



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
PROJECT ELEVATION										196.46	195.96	196.47	196.49	196.51	196.53	196.51	196.49	196.47	195.96	196.46									
NATURAL GROUND ELEVATION	196.59	196.66	196.72	196.79	196.86	196.93	196.95	196.92	196.89	196.66	196.78	196.80	196.83	196.85	196.88	196.91	196.97	197.05	197.05	197.04	197.01	197.00	197.16	197.27	197.27	197.28	197.29	197.29	197.30

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

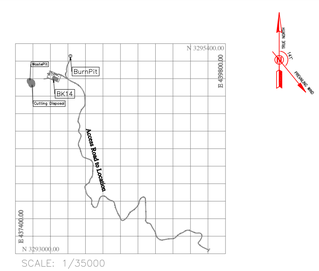
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

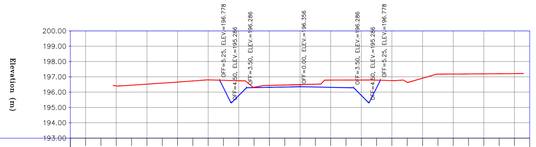
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	72 OF 90	D00

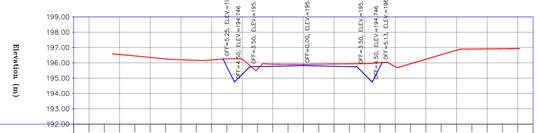
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3+570.00



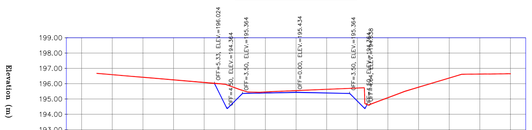
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-12.00	196.52	
-11.00	196.59	
-10.00	196.66	
-9.00	196.73	
-8.00	196.80	
-7.00	196.77	
-6.00	196.75	
-5.00	196.29	
-4.00	195.79	
-3.00	196.30	
-2.00	196.32	
-1.00	196.44	
0.00	196.46	
1.00	196.49	
2.00	196.52	
3.00	196.78	
4.00	196.79	
5.00	195.79	
6.00	196.29	
7.00	196.78	
8.00	196.76	
9.00	196.64	
10.00	196.91	
11.00	197.18	
12.00	197.19	
13.00	197.20	
14.00	197.20	197.21

3+580.00



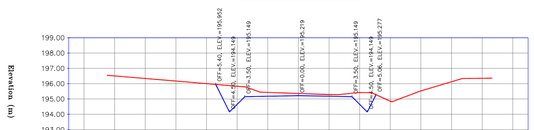
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
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-13.00	196.45	
-12.00	196.35	
-11.00	196.26	
-10.00	196.20	
-9.00	196.17	
-8.00	196.19	
-7.00	196.26	
-6.00	195.75	
-5.00	195.25	
-4.00	195.76	
-3.00	195.58	
-2.00	195.78	
-1.00	195.91	
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1.00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

3+590.00



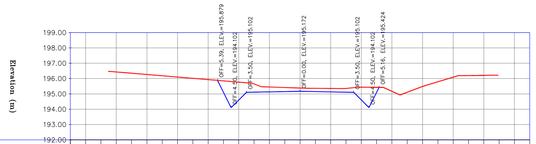
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-11.00	196.42	
-10.00	196.33	
-9.00	196.25	
-8.00	196.17	
-7.00	196.08	
-6.00	196.00	
-5.00	195.74	195.36
-4.00	195.45	194.86
-3.00	195.37	195.37
-2.00	195.39	195.39
-1.00	195.41	195.41
0.00	195.43	195.43
1.00	195.51	195.41
2.00	195.59	195.39
3.00	195.63	195.37
4.00	195.68	194.86
5.00	195.72	194.71
6.00	195.09	
7.00	195.47	
8.00	195.77	
9.00	196.07	
10.00	196.37	
11.00	196.62	
12.00	196.63	
13.00	196.64	
14.00	196.65	

3+600.00



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

3+605.52



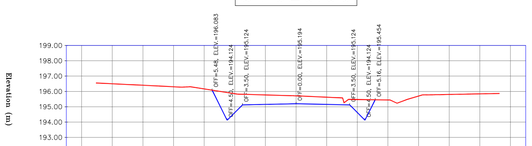
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.43	
-13.00	196.35	
-12.00	196.26	
-11.00	196.18	
-10.00	196.10	
-9.00	196.01	
-8.00	195.93	
-7.00	195.85	
-6.00	195.76	
-5.00	195.64	195.10
-4.00	195.45	194.60
-3.00	195.42	195.11
-2.00	195.38	195.13
-1.00	195.42	195.15
0.00	195.36	195.17
1.00	195.36	195.15
2.00	195.36	195.13
3.00	195.44	195.11
4.00	195.43	194.60
5.00	195.17	195.10
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7.00	195.49	
8.00	196.09	
9.00	196.19	
10.00	196.21	

3+610.00



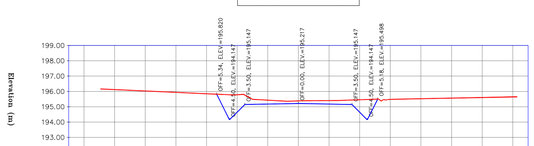
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.54	
-13.00	196.39	
-12.00	196.24	
-11.00	196.10	
-10.00	196.02	
-9.00	195.94	
-8.00	195.86	
-7.00	195.77	
-6.00	195.69	
-5.00	195.59	195.10
-4.00	195.46	194.60
-3.00	195.43	195.11
-2.00	195.42	195.13
-1.00	195.42	195.15
0.00	195.41	195.17
1.00	195.40	195.15
2.00	195.45	195.13
3.00	195.44	195.11
4.00	195.55	194.60
5.00	195.13	195.10
6.00	195.50	
7.00	195.80	
8.00	196.06	
9.00	196.09	
10.00	196.11	

3+620.00



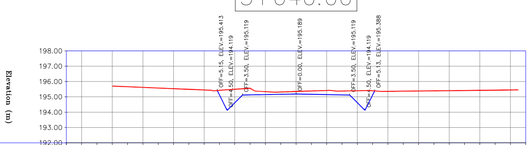
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.55	
-13.00	196.50	
-12.00	196.45	
-11.00	196.40	
-10.00	196.35	
-9.00	196.31	
-8.00	196.30	
-7.00	196.16	
-6.00	196.01	
-5.00	195.85	195.12
-4.00	195.80	194.62
-3.00	195.77	195.13
-2.00	195.74	195.15
-1.00	195.71	195.17
0.00	195.67	195.19
1.00	195.62	195.17
2.00	195.58	195.15
3.00	195.47	195.13
4.00	195.46	194.62
5.00	195.44	195.12
6.00	195.38	
7.00	195.70	
8.00	195.78	
9.00	195.80	
10.00	195.82	
11.00	195.84	
12.00	195.86	

3+630.00



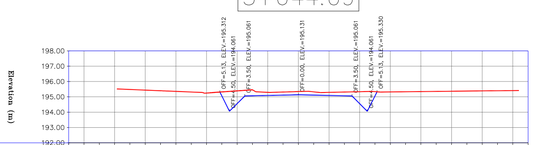
DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	196.12	
-13.00	196.07	
-12.00	196.03	
-11.00	195.98	
-10.00	195.94	
-9.00	195.89	
-8.00	195.85	
-7.00	195.81	
-6.00	195.78	
-5.00	195.49	195.15
-4.00	195.43	194.65
-3.00	195.37	195.16
-2.00	195.38	195.18
-1.00	195.40	195.20
0.00	195.40	195.22
1.00	195.42	195.20
2.00	195.46	195.18
3.00	195.49	195.16
4.00	195.48	194.65
5.00	195.50	195.15
6.00	195.52	
7.00	195.54	
8.00	195.56	
9.00	195.58	
10.00	195.60	
11.00	195.62	
12.00	195.64	

3+640.00



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	195.66	
-13.00	195.62	
-12.00	195.57	
-11.00	195.53	
-10.00	195.49	
-9.00	195.45	
-8.00	195.42	195.12
-7.00	195.49	194.62
-6.00	195.56	195.13
-5.00	195.34	195.15
-4.00	195.32	195.17
-3.00	195.35	195.19
-2.00	195.38	195.17
-1.00	195.42	195.15
0.00	195.38	195.13
1.00	195.37	194.62
2.00	195.40	195.12
3.00	195.40	
4.00	195.36	
5.00	195.37	
6.00	195.38	
7.00	195.39	
8.00	195.40	
9.00	195.42	
10.00	195.43	
11.00	195.44	
12.00	195.45	

3+644.09



DIST. (m)	NATURAL GROUND ELEVATION	PROJECT ELEVATION
-14.00	195.48	
-13.00	195.44	
-12.00	195.40	
-11.00	195.36	
-10.00	195.32	
-9.00	195.25	
-8.00	195.32	195.06
-7.00	195.39	194.56
-6.00	195.46	195.07
-5.00	195.29	195.09
-4.00	195.35	195.11
-3.00	195.33	195.13
-2.00	195.29	195.09
-1.00	195.33	195.11
0.00	195.29	195.13
1.00	195.31	195.15
2.00	195.34	195.13
3.00	195.34	195.11
4.00	195.32	194.56
5.00	195.32	195.06
6.00	195.33	
7.00	195.34	
8.00	195.36	
9.00	195.37	
10.00	195.38	
11.00	195.39	
12.00	195.40	
13.00	195.41	

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

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

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	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

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

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

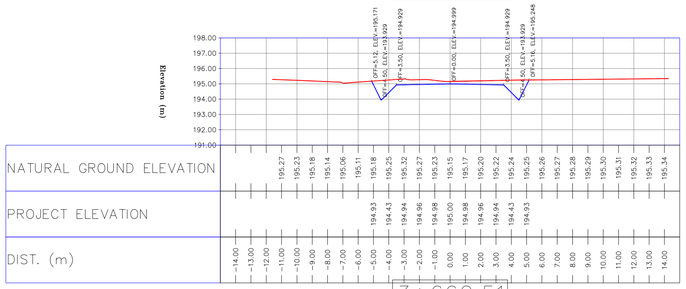
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	73 OF 90	D00

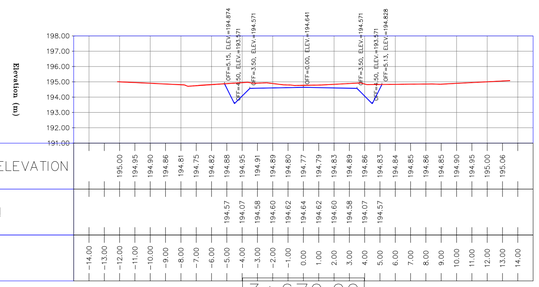
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	73	D00

3+650.00



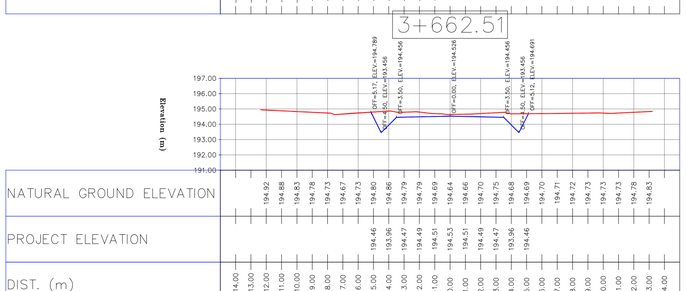
NATURAL GROUND ELEVATION			195.27	195.23	195.18	195.14	195.06	195.11	195.18	195.25	195.32	195.27	195.23	195.15	195.17	195.20	195.22	195.24	195.25	195.26	195.27	195.28	195.29	195.30	195.31	195.32	195.33	195.34	
PROJECT ELEVATION									194.93	194.43	194.84	194.86	194.98	195.00	194.98	194.96	194.94	194.43	194.93										
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

3+660.00



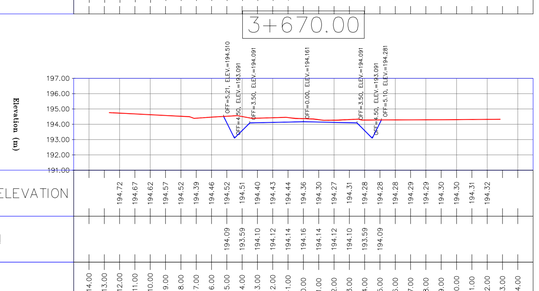
NATURAL GROUND ELEVATION			195.00	194.95	194.90	194.86	194.81	194.75	194.82	194.88	194.95	194.91	194.89	194.80	194.77	194.79	194.83	194.89	194.86	194.83	194.84	194.85	194.86	194.85	194.90	194.95	195.00	195.06	
PROJECT ELEVATION									194.57	194.07	194.58	194.60	194.62	194.64	194.62	194.60	194.58	194.89	194.77	194.84									
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

3+662.51



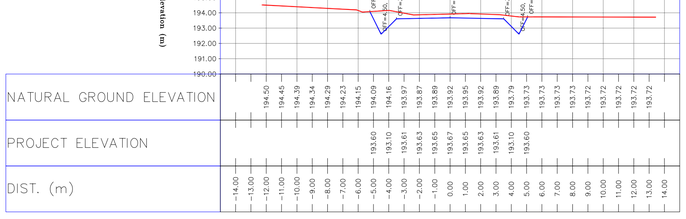
NATURAL GROUND ELEVATION			194.92	194.88	194.83	194.78	194.73	194.67	194.73	194.80	194.86	194.79	194.79	194.69	194.64	194.66	194.70	194.75	194.68	194.69	194.70	194.71	194.72	194.73	194.73	194.73	194.78	194.83	
PROJECT ELEVATION									194.46	193.96	194.47	194.49	194.51	194.53	194.51	194.49	194.47	193.96	194.46										
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+670.00



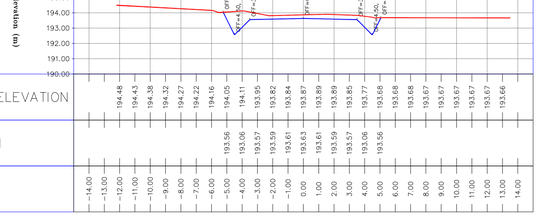
NATURAL GROUND ELEVATION			194.72	194.67	194.62	194.57	194.52	194.46	194.52	194.51	194.40	194.43	194.44	194.36	194.27	194.31	194.28	194.28	194.29	194.29	194.30	194.30	194.31	194.32					
PROJECT ELEVATION									194.09	193.59	194.10	194.12	194.14	194.16	194.14	194.12	194.10	193.59	194.09										
DIST. (m)	−14.00	−13.00	−12.00	−11.00	−10.00	−9.00	−8.00	−7.00	−6.00	−5.00	−4.00	−3.00	−2.00	−1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+680.00



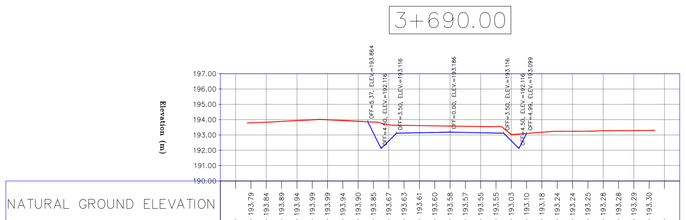
NATURAL GROUND ELEVATION			194.50	194.45	194.39	194.34	194.29	194.23	194.15	194.09	194.16	193.97	193.89	193.89	193.92	193.95	193.92	193.80	193.79	193.73	193.73	193.73	193.72	193.72	193.72	193.72	193.72	193.72	
PROJECT ELEVATION									193.60	193.10	193.61	193.63	193.65	193.67	193.65	193.63	193.61	193.10	193.60										
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

3+680.92



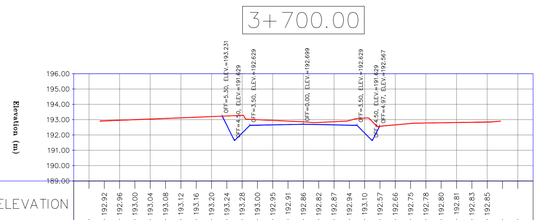
NATURAL GROUND ELEVATION			194.48	194.43	194.38	194.32	194.27	194.22	194.16	194.05	194.11	193.95	193.82	193.84	193.87	193.89	193.89	193.85	193.77	193.68	193.68	193.67	193.67	193.67	193.67	193.67	193.66		
PROJECT ELEVATION									193.56	193.06	193.57	193.59	193.61	193.63	193.61	193.59	193.57	193.06	193.56										
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

3+690.00



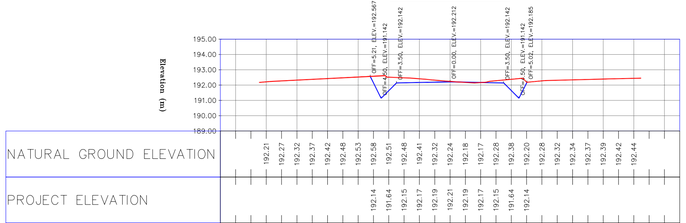
NATURAL GROUND ELEVATION			193.79	193.84	193.89	193.94	193.99	193.94	193.90	193.85	193.67	193.63	193.61	193.60	193.57	193.57	193.55	193.55	193.03	193.10	193.18	193.24	193.25	193.28	193.28	193.28	193.29	193.30	
PROJECT ELEVATION									193.12	192.62	193.13	193.15	193.17	193.19	193.17	193.15	193.13	192.62	193.12										
DIST. (m)	−14.00	−13.00	−12.00	−11.00	−10.00	−9.00	−8.00	−7.00	−6.00	−5.00	−4.00	−3.00	−2.00	−1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+700.00



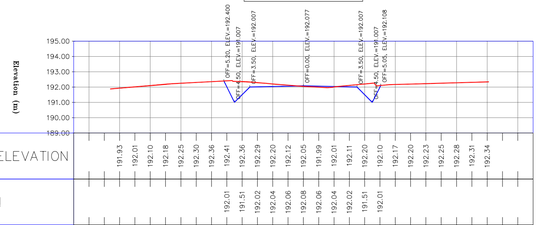
NATURAL GROUND ELEVATION			192.92	192.96	193.00	193.04	193.08	193.12	193.16	193.20	193.24	193.28	193.00	192.95	192.91	192.86	192.82	192.87	192.94	193.10	192.57	192.66	192.75	192.78	192.80	192.81	192.83	192.85	
PROJECT ELEVATION									192.63	192.13	192.64	192.66	192.68	192.70	192.68	192.66	192.64	192.13	192.63										
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

3+710.00



NATURAL GROUND ELEVATION			192.21	192.27	192.32	192.37	192.42	192.48	192.53	192.58	192.51	192.48	192.41	192.17	192.19	192.21	192.24	192.18	192.17	192.28	192.28	192.32	192.34	192.37	192.39	192.42	192.44		
PROJECT ELEVATION									192.14	191.64	192.15	192.17	192.19	192.21	192.19	192.17	192.15	191.64	192.14										
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+712.77



NATURAL GROUND ELEVATION			191.93	192.01	192.10	192.18	192.25	192.30	192.36	192.41	192.36	192.29	192.20	192.04	192.06	192.08	192.06	192.04	192.02	192.11	192.10	192.17	192.20	192.23	192.25	192.28	192.31	192.34	
PROJECT ELEVATION									192.01	191.51	192.02	192.04	192.06	192.08	192.06	192.04	192.02	191.51	192.01										
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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

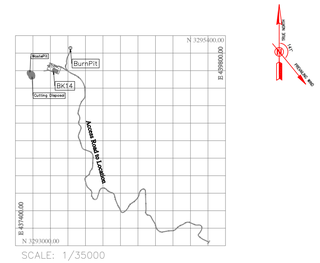
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK–BK14–PEDCO–110–CV–DW–0001	74 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

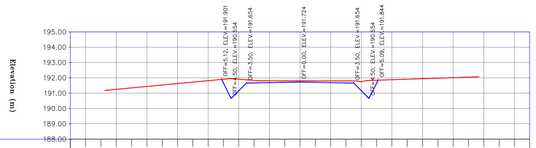
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

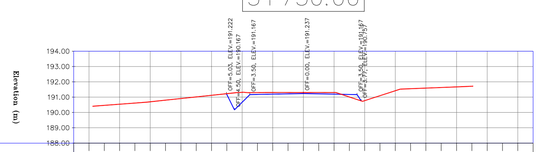
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3+720.00



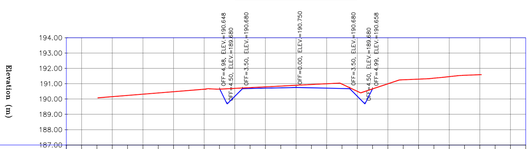
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		191.25
-13.00		191.34
-12.00		191.44
-11.00		191.53
-10.00		191.63
-9.00		191.72
-8.00		191.82
-7.00		191.91
-6.00		191.91
-5.00	191.65	191.91
-4.00	191.15	191.91
-3.00	191.66	191.83
-2.00	191.68	191.83
-1.00	191.70	191.81
0.00	191.72	191.81
1.00	191.70	191.80
2.00	191.68	191.80
3.00	191.66	191.80
4.00	191.15	191.73
5.00	191.65	191.84
6.00		191.87
7.00		191.91
8.00		191.94
9.00		191.97
10.00		192.01
11.00		192.04
12.00		
13.00		
14.00		

3+730.00



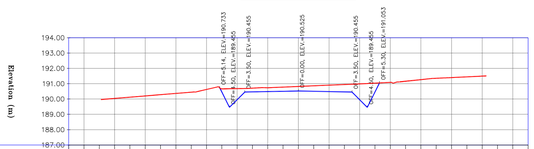
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
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-13.00		190.54
-12.00		190.61
-11.00		190.69
-10.00		190.80
-9.00		190.91
-8.00		191.01
-7.00		191.12
-6.00		191.22
-5.00	191.17	191.31
-4.00	190.67	191.30
-3.00	191.18	191.30
-2.00	191.20	191.30
-1.00	191.22	191.30
0.00	191.24	191.30
1.00	191.22	191.30
2.00	191.20	191.30
3.00	191.18	191.01
4.00		190.77
5.00		191.09
6.00		191.42
7.00		191.55
8.00		191.59
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10.00		191.67
11.00		191.71
12.00		
13.00		
14.00		

3+740.00



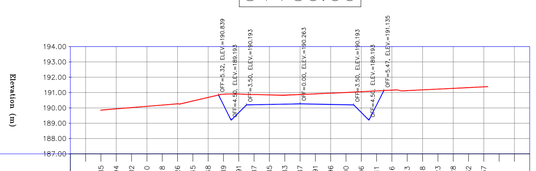
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
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-13.00		190.24
-12.00		190.32
-11.00		190.40
-10.00		190.48
-9.00		190.56
-8.00		190.64
-7.00		190.65
-6.00		190.69
-5.00	190.18	190.74
-4.00	190.69	190.80
-3.00	190.71	190.85
-2.00	190.73	190.90
-1.00	190.75	190.95
0.00	190.73	191.00
1.00	190.71	191.00
2.00	190.69	190.97
3.00	190.71	190.50
4.00	190.18	190.66
5.00		190.99
6.00		191.25
7.00		191.30
8.00		191.36
9.00		191.46
10.00		191.54
11.00		191.59
12.00		
13.00		
14.00		

3+744.61



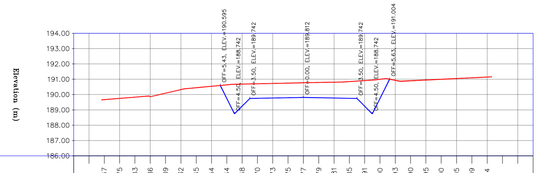
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		190.03
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-12.00		190.20
-11.00		190.28
-10.00		190.36
-9.00		190.44
-8.00		190.52
-7.00		190.67
-6.00		190.68
-5.00	190.46	190.71
-4.00	189.96	190.74
-3.00	190.47	190.78
-2.00	190.49	190.82
-1.00	190.51	190.86
0.00	190.53	190.91
1.00	190.51	190.95
2.00	190.49	190.99
3.00	190.47	191.04
4.00	189.96	191.09
5.00	190.46	191.16
6.00		191.26
7.00		191.35
8.00		191.40
9.00		191.45
10.00		191.50
11.00		
12.00		
13.00		
14.00		

3+750.00



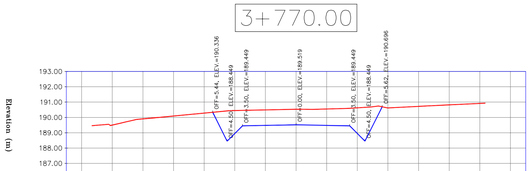
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		189.85
-13.00		189.94
-12.00		190.02
-11.00		190.10
-10.00		190.18
-9.00		190.26
-8.00		190.45
-7.00		190.68
-6.00		190.89
-5.00	190.19	190.91
-4.00	189.69	190.87
-3.00	190.20	190.85
-2.00	190.22	190.83
-1.00	190.24	190.87
0.00	190.26	190.91
1.00	190.24	190.96
2.00	190.22	191.00
3.00	190.20	191.06
4.00	189.69	191.11
5.00	190.19	191.16
6.00		191.13
7.00		191.18
8.00		191.23
9.00		191.28
10.00		191.32
11.00		191.37
12.00		
13.00		
14.00		

3+760.00



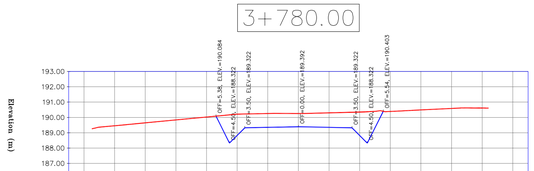
DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		189.67
-13.00		189.75
-12.00		189.83
-11.00		189.86
-10.00		190.09
-9.00		190.32
-8.00		190.45
-7.00		190.54
-6.00		190.64
-5.00	189.74	190.68
-4.00	189.24	190.70
-3.00	189.75	190.73
-2.00	189.77	190.75
-1.00	189.79	190.77
0.00	189.81	190.79
1.00	189.79	190.81
2.00	189.77	190.85
3.00	189.75	190.91
4.00	189.24	191.00
5.00	189.74	190.93
6.00		190.90
7.00		190.95
8.00		191.00
9.00		191.05
10.00		191.09
11.00		191.14
12.00		
13.00		
14.00		

3+770.00



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		189.49
-13.00		189.50
-12.00		189.73
-11.00		189.90
-10.00		190.09
-9.00		190.19
-8.00		190.28
-7.00		190.38
-6.00		190.45
-5.00	189.45	190.47
-4.00	188.95	190.49
-3.00	189.46	190.51
-2.00	189.48	190.54
-1.00	189.50	190.53
0.00	189.52	190.55
1.00	189.50	190.53
2.00	189.48	190.58
3.00	189.46	190.58
4.00	188.95	190.63
5.00	189.45	190.70
6.00		190.62
7.00		190.67
8.00		190.72
9.00		190.77
10.00		190.82
11.00		190.87
12.00		190.91
13.00		
14.00		

3+780.00



DIST. (m)	PROJECT ELEVATION	NATURAL GROUND ELEVATION
-14.00		189.36
-13.00		189.46
-12.00		189.55
-11.00		189.65
-10.00		189.74
-9.00		189.84
-8.00		189.93
-7.00		190.03
-6.00		190.12
-5.00	189.32	190.21
-4.00	188.82	190.23
-3.00	189.33	190.26
-2.00	189.35	190.26
-1.00	189.37	190.25
0.00	189.39	190.27
1.00	189.37	190.30
2.00	189.35	190.32
3.00	189.33	190.35
4.00	188.82	190.40
5.00	189.32	190.39
6.00		190.44
7.00		190.49
8.00		190.54
9.00		190.59
10.00		190.62
11.00		190.61
12.00		
13.00		
14.00		

NOTES

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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
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VERTICAL DATUM:	MSL

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LEGEND

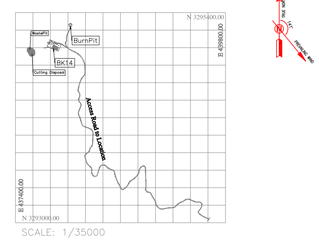
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
═══	ASPHALT ROAD	99.27	SPOT HEIGHT
═══	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
∿∿	DAYLIGHT		CULVERT

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

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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



REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	75 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

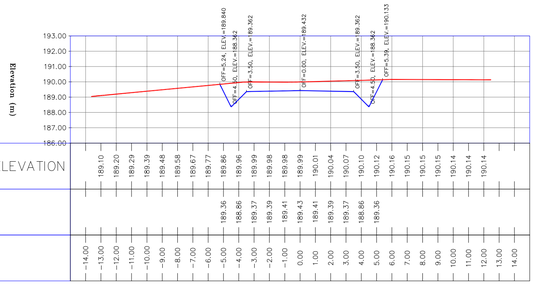
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

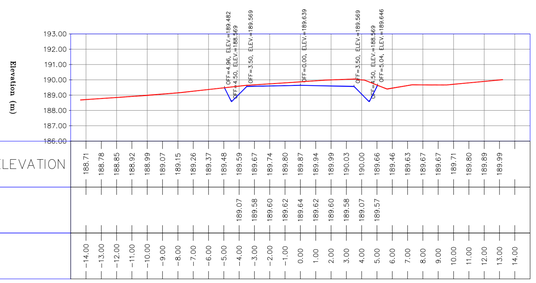
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053-073-9184	F	4	S	708209	75	D00

3+790.00



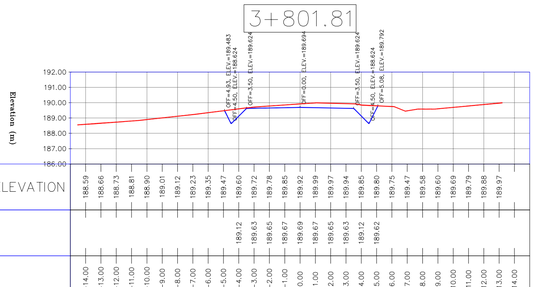
NATURAL GROUND ELEVATION	189.10	189.20	189.29	189.39	189.48	189.58	189.67	189.77	189.86	189.96	189.99	189.98	189.98	189.99	189.98	189.99	190.01	190.04	190.07	190.10	190.12	190.16	190.15	190.15	190.15	190.14	190.14	190.14	
PROJECT ELEVATION									189.36	188.86	189.37	189.39	189.41	189.43	189.41	189.39	189.37	188.86	189.36										
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

3+800.00



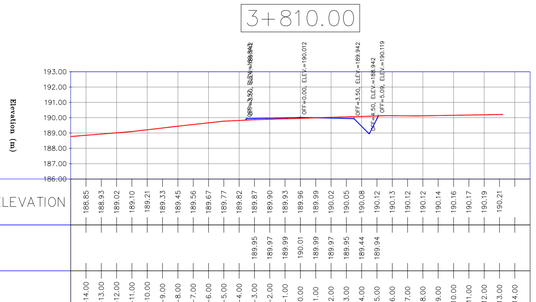
NATURAL GROUND ELEVATION	188.71	188.78	188.85	188.92	188.99	189.07	189.15	189.26	189.37	189.48	189.59	189.67	189.74	189.80	189.87	189.94	189.99	190.03	190.00	189.66	189.46	189.63	189.67	189.67	189.71	189.80	189.89	189.99	
PROJECT ELEVATION										189.07	189.58	189.60	189.62	189.64	189.62	189.60	189.58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

3+801.81



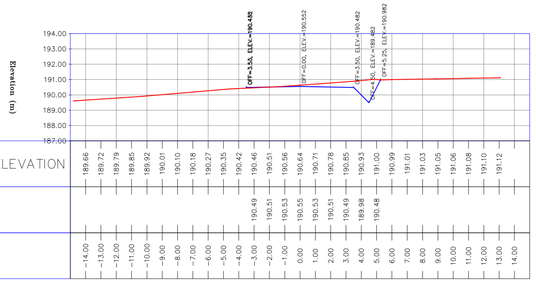
NATURAL GROUND ELEVATION	188.59	188.66	188.73	188.81	188.90	189.01	189.12	189.23	189.35	189.47	189.60	189.72	189.78	189.85	189.92	189.99	189.97	190.04	189.85	189.75	189.47	189.58	189.60	189.69	189.79	189.88	189.97		
PROJECT ELEVATION										189.12	189.63	189.65	189.67	189.69	189.67	189.69	189.67	189.65	189.63	189.12	189.62								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

3+810.00



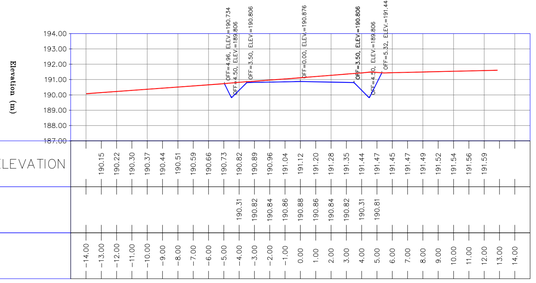
NATURAL GROUND ELEVATION	188.85	188.93	189.02	189.10	189.21	189.33	189.45	189.56	189.67	189.77	189.82	189.87	189.90	189.93	189.96	189.99	190.02	190.05	190.08	190.12	190.13	190.12	190.14	190.16	190.17	190.19	190.21		
PROJECT ELEVATION										189.95	189.97	189.99	190.01	189.99	189.97	189.95	189.44	189.94											
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

3+820.00



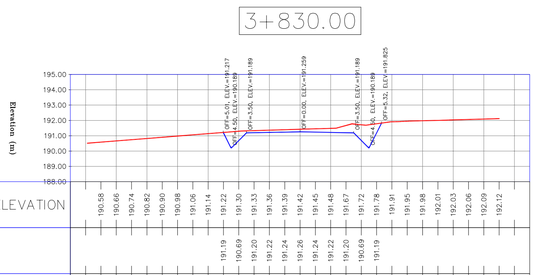
NATURAL GROUND ELEVATION	189.66	189.72	189.79	189.85	189.92	190.01	190.10	190.18	190.27	190.35	190.42	190.46	190.51	190.56	190.64	190.71	190.78	190.85	190.93	191.00	190.99	191.01	191.03	191.05	191.06	191.08	191.10	191.12	
PROJECT ELEVATION											190.49	190.51	190.53	190.55	190.53	190.51	190.49	189.98	190.48										
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

3+824.87



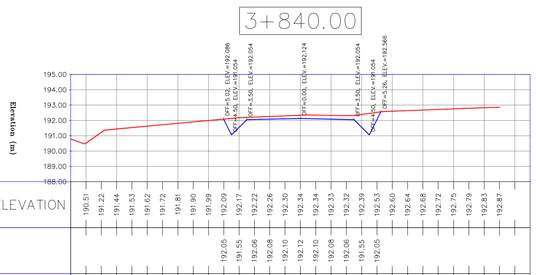
NATURAL GROUND ELEVATION	190.15	190.22	190.30	190.37	190.44	190.51	190.59	190.66	190.73	190.82	190.89	190.96	191.04	191.12	191.20	191.28	191.35	191.44	191.47	191.45	191.47	191.49	191.52	191.54	191.56	191.59			
PROJECT ELEVATION										190.31	190.82	190.84	190.86	190.88	190.86	190.84	190.82	190.31	190.81										
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+830.00



NATURAL GROUND ELEVATION	190.58	190.66	190.74	190.82	190.90	190.98	191.06	191.14	191.22	191.30	191.33	191.36	191.39	191.42	191.45	191.48	191.67	191.72	191.78	191.91	191.95	191.98	192.01	192.03	192.06	192.09	192.12		
PROJECT ELEVATION									191.19	190.69	191.20	191.22	191.24	191.26	191.24	191.22	191.20	190.69	191.19										
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+840.00



NATURAL GROUND ELEVATION	190.51	191.22	191.44	191.53	191.62	191.72	191.81	191.90	191.99	192.09	192.17	192.22	192.26	192.30	192.34	192.34	192.33	192.32	192.39	192.53	192.60	192.64	192.68	192.72	192.75	192.79	192.83	192.87	
PROJECT ELEVATION										192.05	191.55	192.06	192.08	192.10	192.12	192.10	192.08	192.06	191.55	192.05									
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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

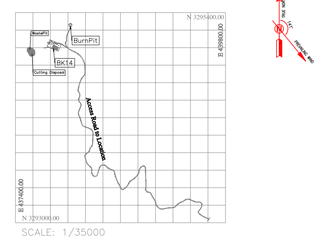
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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	CHECKED	DATE	REV. APPR.	BY	DATE
***	**********	**	***.****	**	***.****	***	**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**		
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.		

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

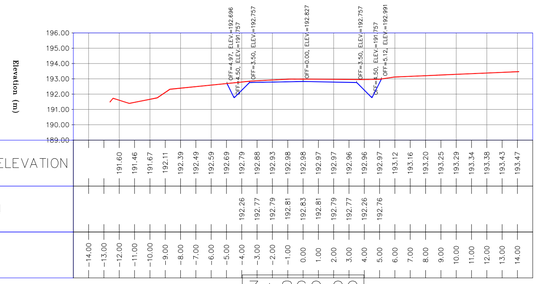
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

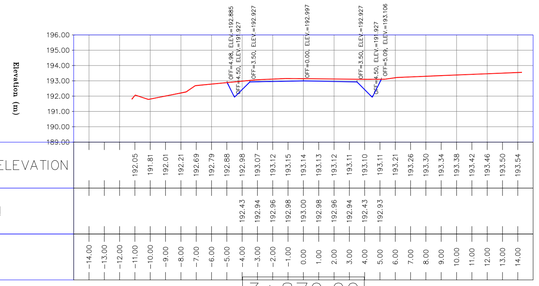
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	76 OF 90	D00	053-073-9184	F	4	S	708209	76	D00

3+847.92



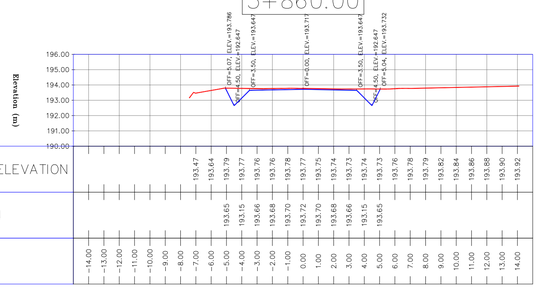
NATURAL GROUND ELEVATION	191.60	191.46	191.67	192.11	192.39	192.49	192.59	192.69	192.79	192.88	192.93	192.98	192.98	192.97	192.97	192.96	192.97	193.12	193.16	193.20	193.25	193.29	193.34	193.38	193.43	193.47
PROJECT ELEVATION									192.26	192.77	192.79	192.81	192.83	192.81	192.79	192.77	192.26	192.76								
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

3+850.00



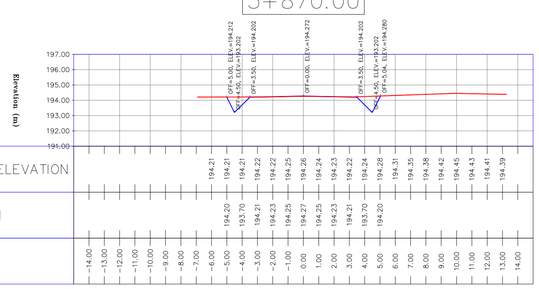
NATURAL GROUND ELEVATION	192.05	191.81	192.01	192.21	192.69	192.79	192.88	192.98	193.07	193.12	193.15	193.14	193.13	193.12	193.11	193.10	193.11	193.21	193.26	193.30	193.34	193.38	193.42	193.46	193.50	193.54
PROJECT ELEVATION							192.43	192.84	192.96	192.88	193.00	192.98	192.96	192.94	192.43	192.83										
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

3+860.00



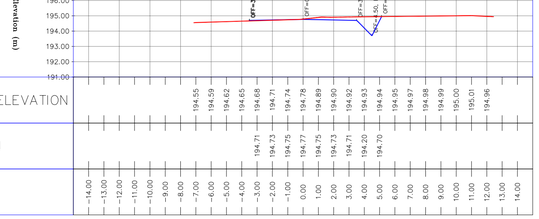
NATURAL GROUND ELEVATION	193.47	193.64	193.79	193.77	193.76	193.76	193.78	193.77	193.75	193.74	193.73	193.74	193.73	193.76	193.78	193.79	193.82	193.84	193.86	193.88	193.90	193.92						
PROJECT ELEVATION				195.65	193.15	193.66	193.68	193.70	193.72	193.70	193.68	193.66	193.15	195.65														
DIST. (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+870.00



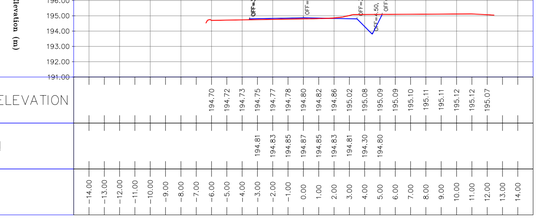
NATURAL GROUND ELEVATION	194.21	194.21	194.21	194.21	194.22	194.22	194.25	194.26	194.24	194.23	194.22	194.24	194.28	194.31	194.35	194.38	194.42	194.45	194.43	194.41	194.39							
PROJECT ELEVATION				194.20	193.70	194.21	194.23	194.25	194.27	194.25	194.23	194.21	193.70	194.20														
DIST. (m)	-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

3+880.00



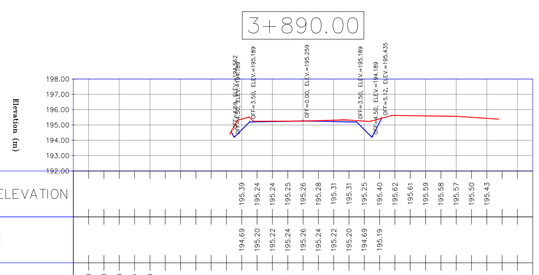
NATURAL GROUND ELEVATION					194.55	194.59	194.62	194.68	194.71	194.74	194.78	194.89	194.90	194.92	194.93	194.94	194.95	194.97	194.98	194.99	195.00	195.01	194.96					
PROJECT ELEVATION									194.71	194.73	194.75	194.75	194.77	194.75	194.73	194.71	194.20	194.70										
DIST. (m)	-14.00	-13.00	-12.00	-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

3+882.09



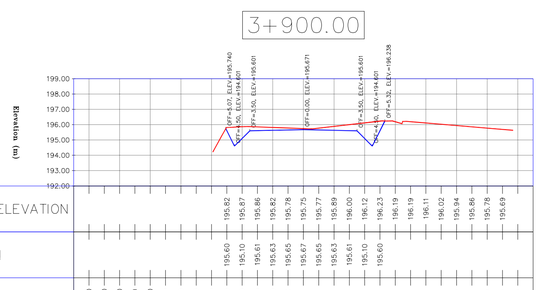
NATURAL GROUND ELEVATION					194.70	194.72	194.73	194.75	194.77	194.78	194.80	194.82	194.86	195.02	195.08	195.09	195.10	195.11	195.11	195.12	195.12	195.07						
PROJECT ELEVATION									194.81	194.85	194.87	194.85	194.83	194.81	194.30	194.80												
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-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+890.00



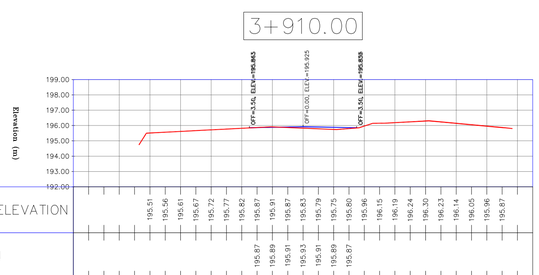
NATURAL GROUND ELEVATION					195.39	195.24	195.24	195.25	195.26	195.28	195.31	195.31	195.25	195.40	195.62	195.61	195.59	195.58	195.57	195.50	195.43							
PROJECT ELEVATION					194.69	195.20	195.22	195.24	195.26	195.24	195.22	195.20	194.69	195.19														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-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+900.00



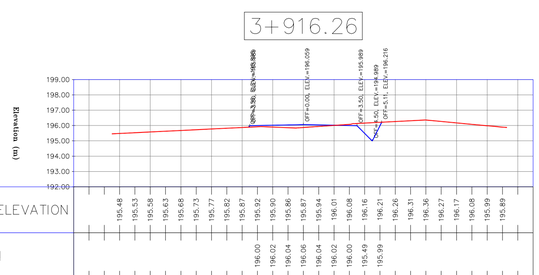
NATURAL GROUND ELEVATION					195.82	195.87	195.86	195.82	195.78	195.75	195.77	195.89	196.00	196.12	196.23	196.19	196.11	196.02	195.94	195.86	195.78	195.69						
PROJECT ELEVATION					195.60	195.10	195.61	195.63	195.65	195.67	195.65	195.63	195.61	195.10	195.60													
DIST. (m)	-14.00	-13.00	-12.00	-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

3+910.00



NATURAL GROUND ELEVATION					195.51	195.56	195.61	195.67	195.72	195.77	195.82	195.87	195.91	195.87	195.83	195.79	195.75	195.80	195.86	196.15	196.19	196.24	196.30	196.23	196.14	196.05	195.96	195.87
PROJECT ELEVATION												195.87	195.89	195.91	195.93	195.91	195.89	195.87										
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

3+916.26



NATURAL GROUND ELEVATION					195.48	195.53	195.58	195.63	195.68	195.73	195.77	195.82	195.87	195.92	195.90	195.86	195.87	195.94	196.01	196.08	196.16	196.21	196.26	196.31	196.36	196.27	196.17	196.08	195.99	195.89
PROJECT ELEVATION														196.00	196.02	196.04	196.06	196.04	196.02	196.00	195.49	195.99								
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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	77 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

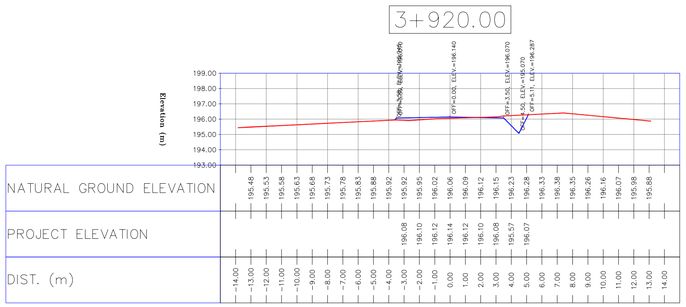
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

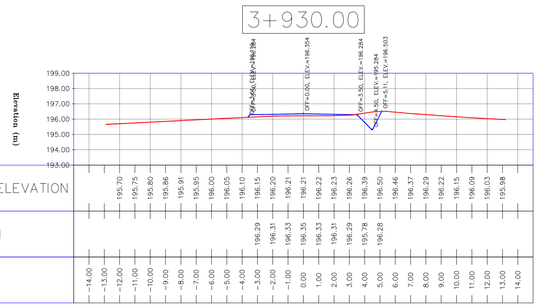
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3+920.00



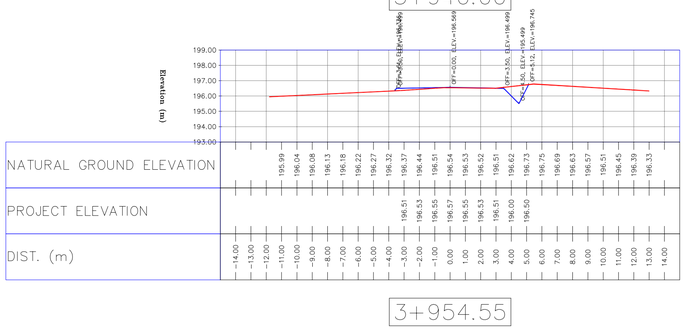
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NATURAL GROUND ELEVATION		195.48	195.53	195.58	195.63	195.68	195.73	195.78	195.83	195.88	195.92	195.92	195.95	196.02	196.06	196.09	196.12	196.15	196.23	196.28	196.33	196.38	196.35	196.26	196.16	196.07	195.98	195.88	
PROJECT ELEVATION												196.08	196.10	196.12	196.14	196.12	196.10	196.08	195.37	196.07									

3+930.00



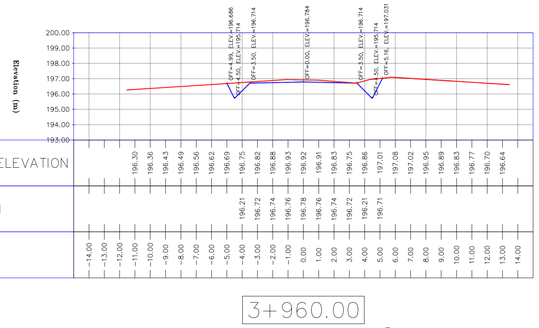
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NATURAL GROUND ELEVATION		195.70	195.75	195.80	195.86	195.91	195.95	196.00	196.05	196.10	196.15	196.20	196.21	196.21	196.23	196.26	196.29	196.31	196.39	196.50	196.46	196.37	196.29	196.22	196.15	196.09	196.03	195.98	
PROJECT ELEVATION												196.29	196.31	196.33	196.35	196.33	196.31	196.29	195.78	196.28									

3+940.00



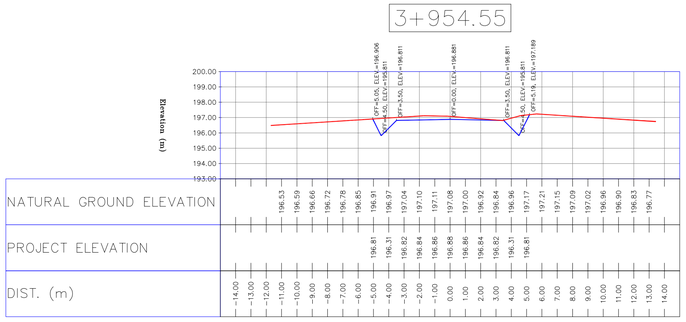
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NATURAL GROUND ELEVATION		195.99	196.04	196.08	196.13	196.18	196.22	196.27	196.32	196.37	196.44	196.51	196.54	196.53	196.52	196.51	196.62	196.73	196.75	196.69	196.63	196.57	196.51	196.45	196.39	196.33			
PROJECT ELEVATION												196.51	196.53	196.55	196.57	196.55	196.53	196.51	196.00	196.50									

3+950.00



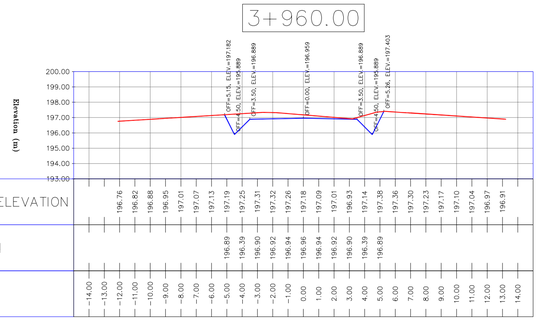
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NATURAL GROUND ELEVATION		196.30	196.36	196.43	196.49	196.56	196.62	196.69	196.75	196.82	196.88	196.93	196.92	196.91	196.78	196.76	196.74	196.72	196.75	196.86	197.01	197.08	197.02	196.95	196.89	196.83	196.77	196.70	196.64
PROJECT ELEVATION												196.21	196.72	196.74	196.76	196.78	196.74	196.72	196.21	196.71									

3+954.55



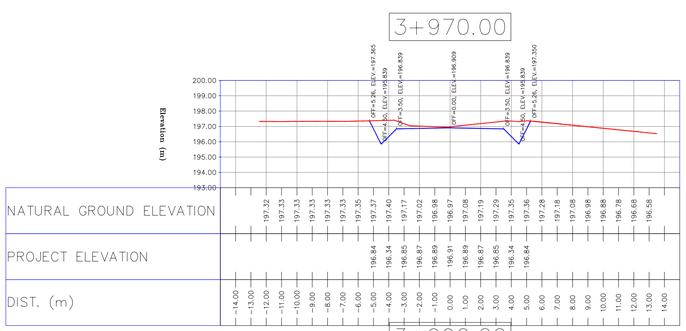
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NATURAL GROUND ELEVATION		196.53	196.59	196.66	196.72	196.78	196.85	196.91	196.97	197.04	197.10	197.11	197.08	197.00	196.92	196.84	196.97	197.04	197.10	197.08	197.00	196.92	196.84	196.96	197.17	197.15	197.09	197.02	196.96	196.90	196.83	196.77
PROJECT ELEVATION													196.81	196.31	196.82	196.84	196.86	196.88	196.84	196.86	196.92	196.84	196.31	196.81								

3+960.00



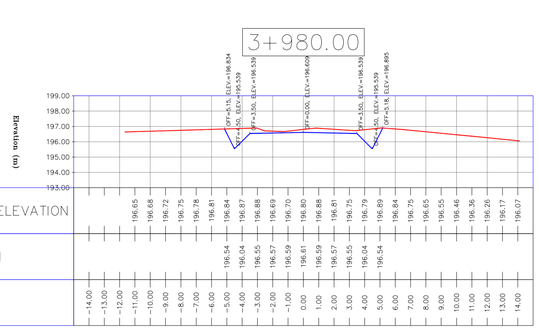
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION		196.76	196.82	196.88	196.95	197.01	197.07	197.13	197.19	197.25	197.31	197.32	197.26	197.18	197.09	197.01	196.93	197.14	197.38	197.36	197.30	197.23	197.17	197.10	197.04	196.97	196.91		
PROJECT ELEVATION												196.89	196.39	196.90	196.92	196.94	196.96	196.92	196.90	196.39	196.89								

3+970.00



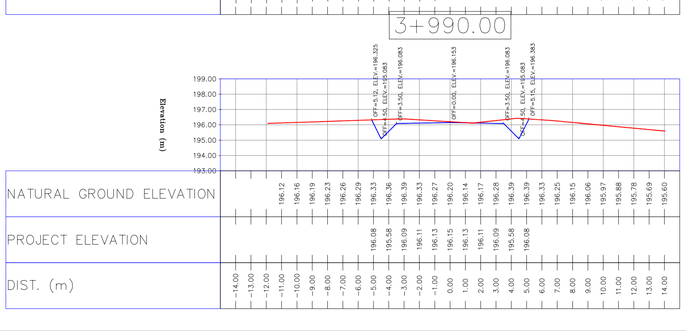
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NATURAL GROUND ELEVATION		197.32	197.33	197.33	197.33	197.33	197.35	197.37	197.40	197.17	197.02	196.98	196.97	197.08	197.19	197.29	197.35	197.36	197.28	197.18	197.08	196.98	196.88	196.78	196.68	196.58			
PROJECT ELEVATION												196.84	196.34	196.85	196.87	196.89	196.91	196.89	196.87	196.87	196.85	196.84	196.34	196.84					

3+980.00



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		196.65	196.68	196.72	196.78	196.81	196.84	196.87	196.84	196.69	196.55	196.57	196.59	196.61	196.59	196.57	196.55	196.04	196.54	196.89	196.84	196.75	196.65	196.55	196.46	196.36	196.26	196.17	196.07
PROJECT ELEVATION												196.54	196.04	196.55	196.57	196.59	196.70	196.80	196.88	196.81	196.75	196.79	196.89						

3+990.00



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	196.16	196.19	196.23	196.26	196.29	196.33	196.36	196.39	196.33	196.27	196.20	196.14	196.17	196.28	196.39	196.33	196.25	196.15	196.06	195.97	195.88	195.78	195.69	195.60			
PROJECT ELEVATION												196.08	196.09	196.11	196.13	196.15	196.13	196.11	196.09	196.08									

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LEGEND

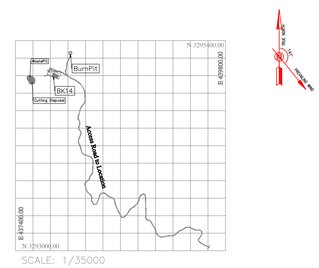
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
═══	ASPHALT ROAD	99.27	SPOT HEIGHT
═══	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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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	DESCRIPTION	BY	CHECKED	BY	CHECKED
***	**********		**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

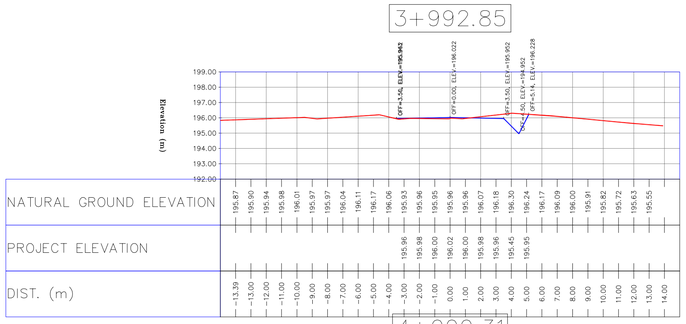
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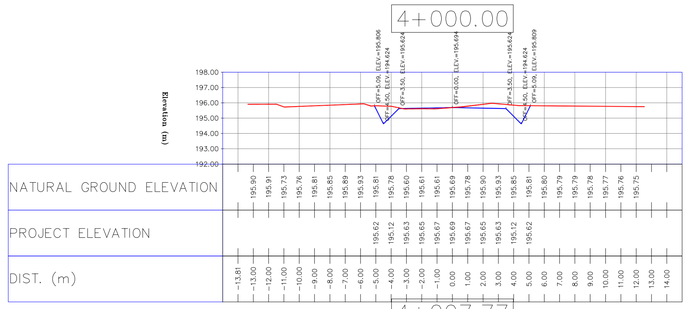
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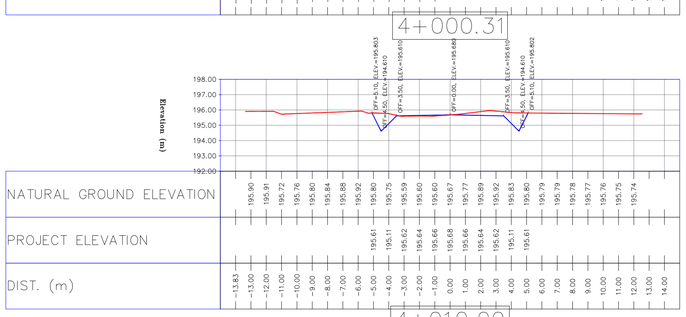
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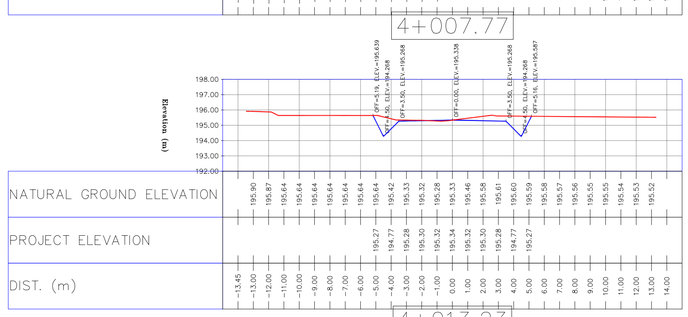
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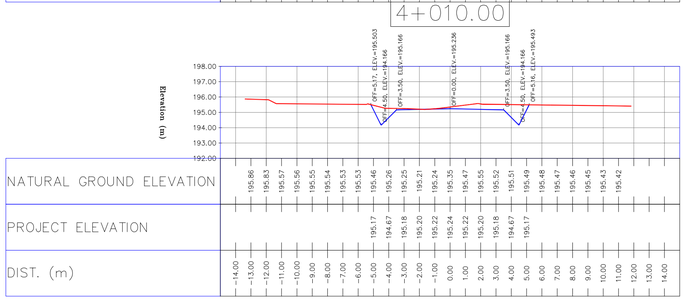
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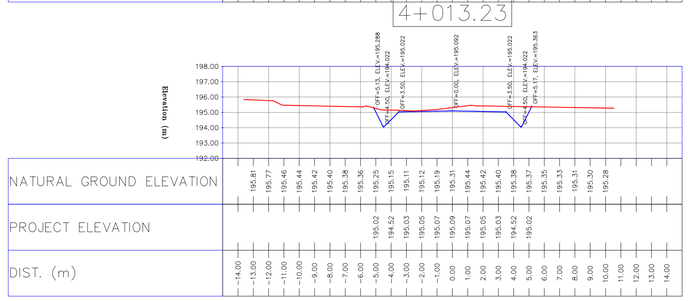


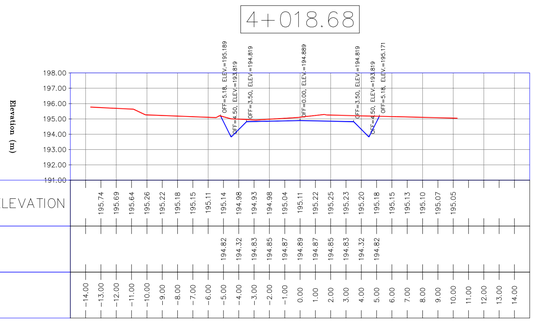


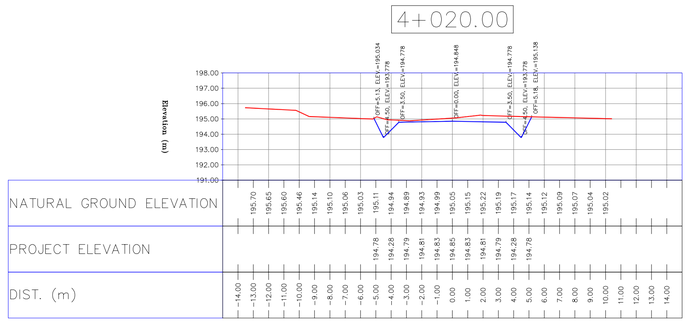


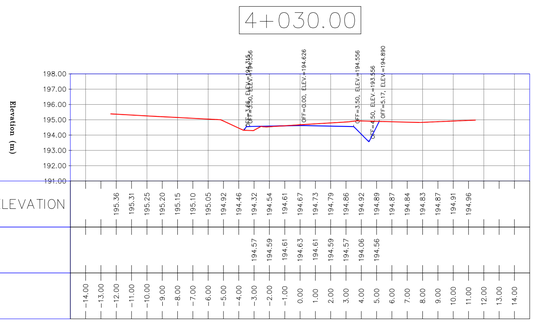


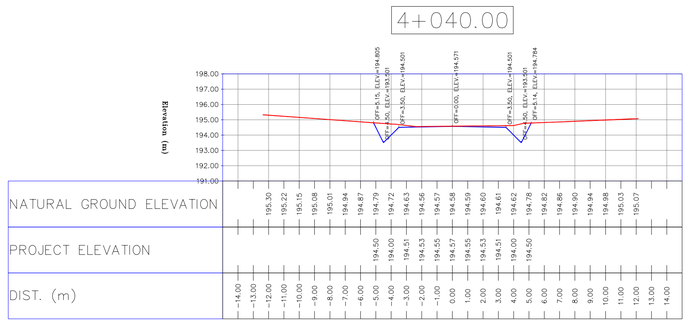












NOTES

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

3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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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:
- 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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

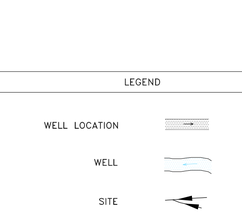
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

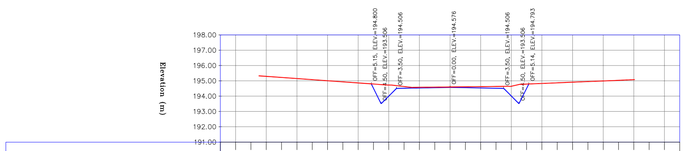
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APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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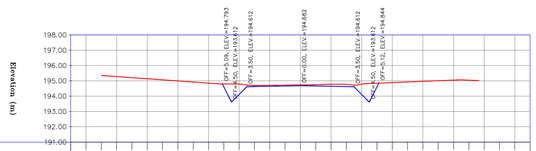
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4+041.23



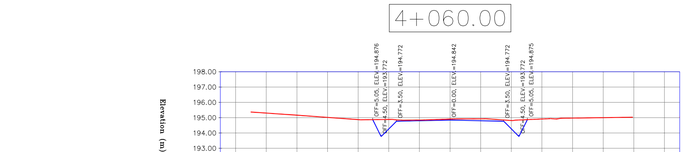
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PROJECT ELEVATION									194.51	194.01	194.52	194.54	194.56	194.58	194.56	194.54	194.52	194.01	194.51							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

4+050.00



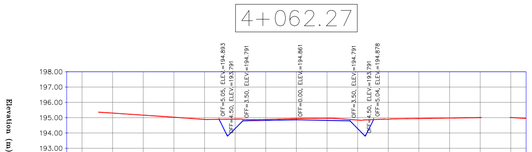
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PROJECT ELEVATION									194.61	194.11	194.62	194.64	194.64	194.67	194.66	194.68	194.66	194.64	194.62	194.11	194.61				
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

4+060.00



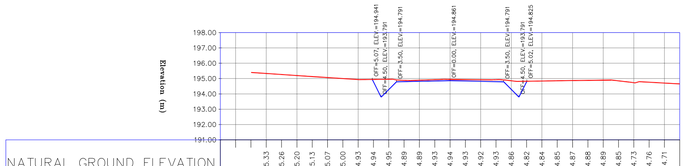
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PROJECT ELEVATION									194.77	194.27	194.78	194.80	194.82	194.84	194.82	194.80	194.78	194.27	194.77					
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

4+062.27



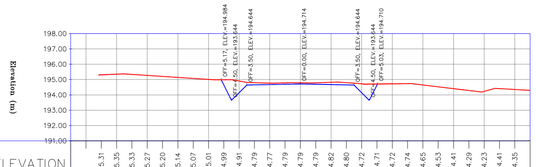
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PROJECT ELEVATION									194.79	194.29	194.80	194.82	194.84	194.86	194.84	194.82	194.80	194.29	194.79							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

4+070.00



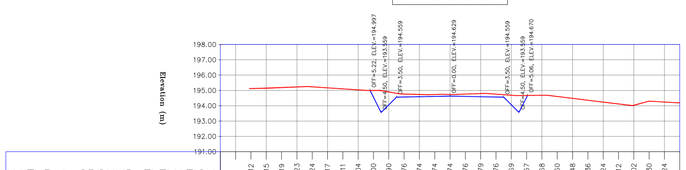
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PROJECT ELEVATION									194.79	194.29	194.80	194.82	194.84	194.86	194.84	194.82	194.80	194.29	194.79									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

4+080.00



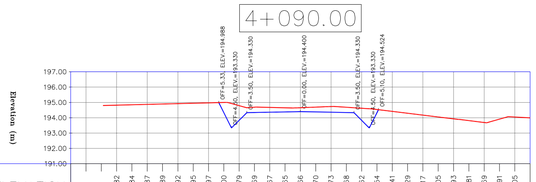
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PROJECT ELEVATION									194.64	194.14	194.65	194.67	194.69	194.71	194.69	194.67	194.65	194.14	194.64									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	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	194.74	194.76	194.79	194.76	194.69	194.67	194.68	194.60	194.48	194.36	194.24	194.12	194.02	194.30	194.24
PROJECT ELEVATION									194.56	194.06	194.57	194.59	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

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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
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VERTICAL DATUM:	MSL

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LEGEND

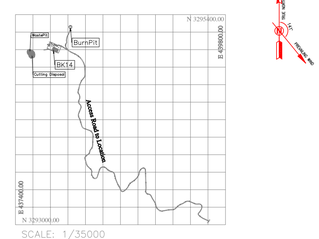
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD	△	BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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
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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

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	80 OF 90	D00

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

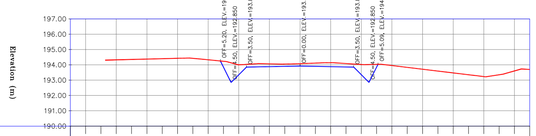
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APPROVED FOR CONSTRUCTION | BY: | DATE:

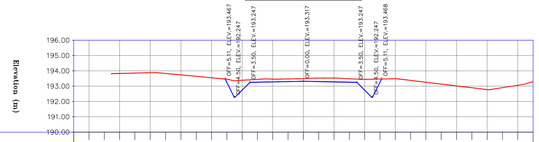
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4+100.00



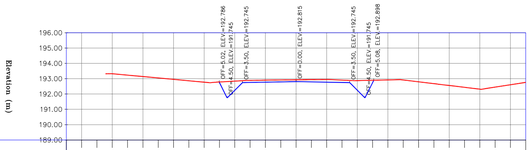
NATURAL GROUND ELEVATION	194.32	194.35	194.37	194.40	194.42	194.42	194.33	194.24	194.00	194.07	194.07	194.05	194.07	194.11	194.14	194.08	194.03	194.03	193.96	193.84	193.71	193.59	193.47	193.35	193.23	193.35	193.60
PROJECT ELEVATION								193.85	193.35	193.86	193.88	193.90	193.92	193.90	193.88	193.86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



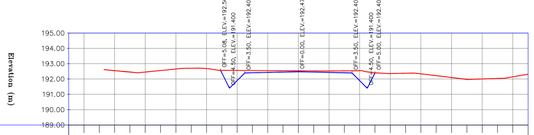
NATURAL GROUND ELEVATION	193.83	193.85	193.88	193.83	193.73	193.64	193.55	193.46	193.38	193.45	193.46	193.47	193.49	193.52	193.53	193.48	193.44	193.47	193.49	193.38	193.26	193.14	193.02	192.89	192.77	192.90	193.06
PROJECT ELEVATION								193.25	192.75	193.26	193.28	193.30	193.32	193.30	193.28	193.26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



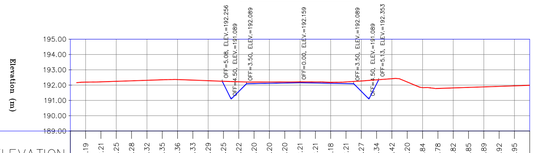
NATURAL GROUND ELEVATION	193.33	193.23	193.14	193.05	192.96	192.86	192.77	192.79	192.84	192.89	192.90	192.92	192.93	192.94	192.95	193.01	192.87	192.90	192.92	192.92	192.80	192.68	192.56	192.44	192.32	192.45	192.61
PROJECT ELEVATION								192.75	192.25	192.76	192.78	192.80	192.82	192.80	192.78	192.76	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	192.53	192.40	192.55	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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

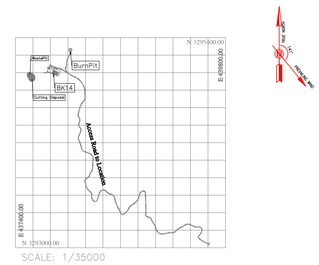
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD		BRIDGE
∿	DAYLIGHT		CULVERT

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

ABBREVIATION

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

KEY PLAN



SCALE: 1/35000

REV.	DATE	DESCRIPTION	PREP.	CHK.	APP.	AUT.
***	**********		**.**	***.****	**.**	***.****
			BY	DATE	BY	DATE
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
			CHECKED		REV. APPR.	

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY − DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS − BK14

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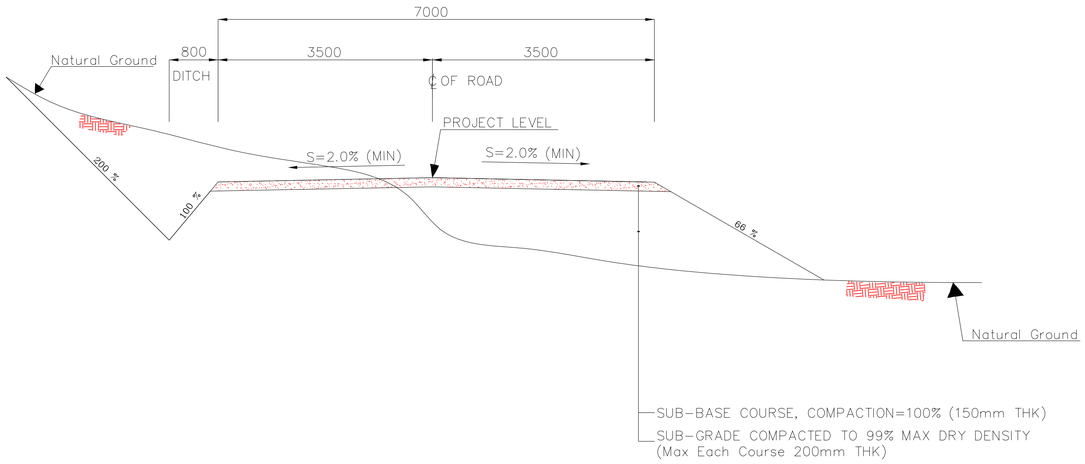
BINAK OILFIELD DEVELOPMENT
SUB−SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

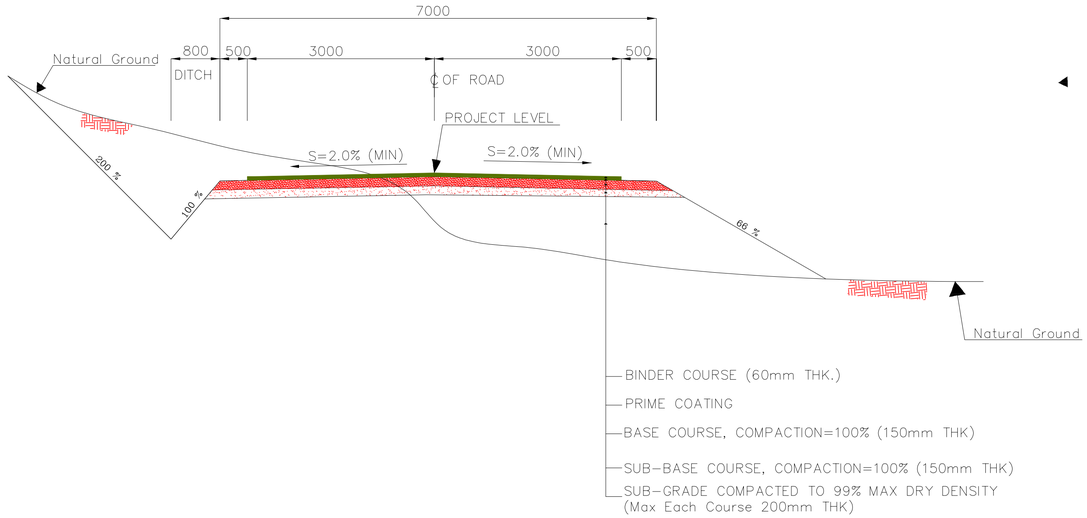
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK−BK14−PEDCO−110−CV−DW−0001	81 OF 90	D00	053−073−9184	F	4	S	708209	81	D00



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+403.00	0+519.00	116
AREA2	1+745.00	1+885.00	140
AREA3	2+360.00	2+564.00	204
AREA4	3+077.00	3+378.00	301

NOTES

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

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LEGEND

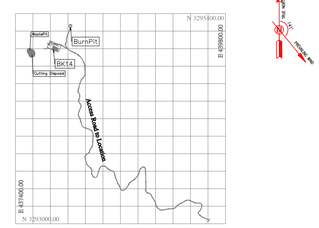
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
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Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAL-PEDCO-000-CV-SP-0002

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KEY PLAN



REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

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 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

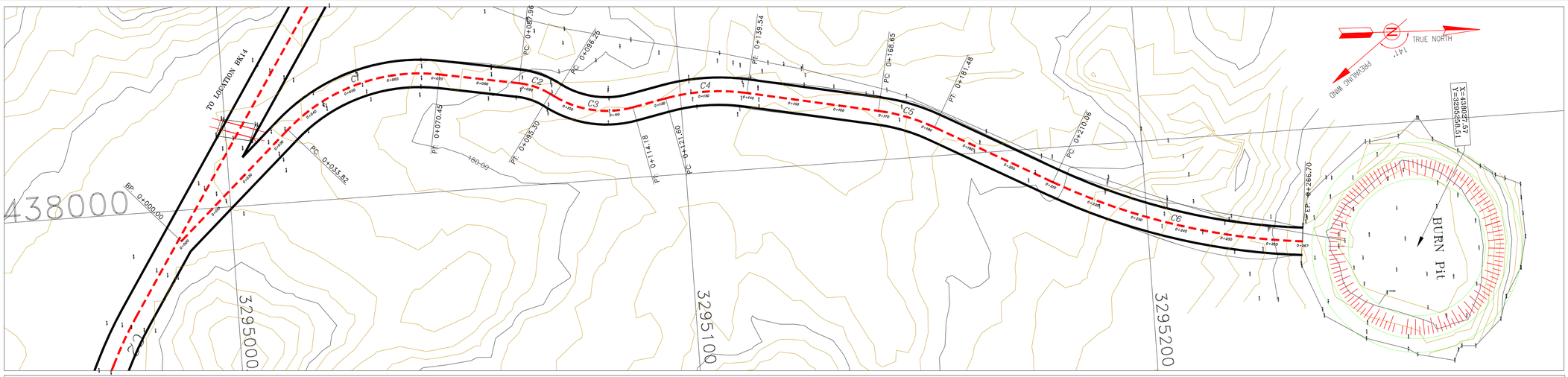
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

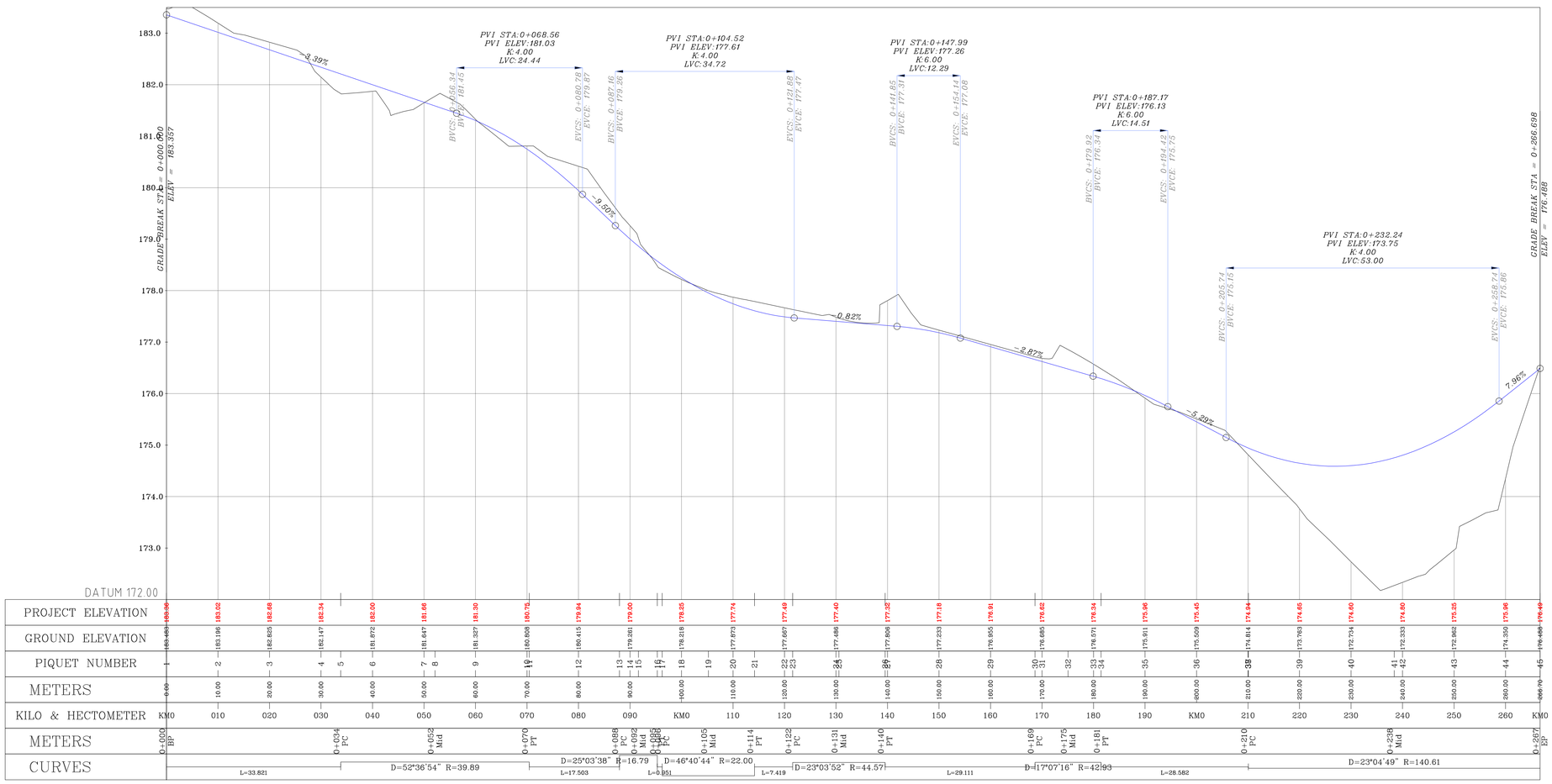
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
N.T.S.	A1	BK-BK14-PEDCO-110-CV-DW-0001	82 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	82	D00





NOTES

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LEGEND

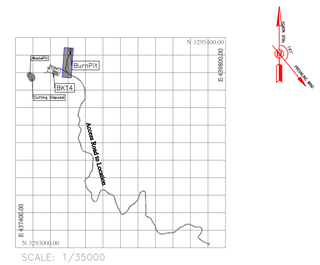
WELL LOCATION		CANAL	
WELL		RIVER	
SITE		WATER COURSE	
CAMP SITE	60 / 50	CONTOURS	
ASPHALT ROAD	99.27	SPOT HEIGHT	
GRAVEL ROAD		BENCH MARK	
PROPOSED ROAD		BRIDGE	
DAYLIGHT		CULVERT	

REFERENCE DRAWING	DRG. No.
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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
C1	39.89	36.63	N15° 52' 54.99"W	(437984.06,3295013.70)	(437974.39,3295047.71)
C2	16.79	7.35	N22° 57' 21.19"E	(437977.55,3295064.92)	(437980.40,3295071.63)
C3	22.00	17.92	N12° 08' 48.53"E	(437980.95,3295072.41)	(437984.62,3295089.45)
C4	44.57	17.94	N0° 20' 22.78"E	(437983.18,3295096.73)	(437983.28,3295114.55)
C5	42.93	12.83	N20° 25' 56.95"E	(437989.27,3295143.04)	(437993.73,3295155.01)
C6	140.61	56.64	N17° 27' 10.51"E	(438007.59,3295180.01)	(438024.46,3295233.68)

Station	Northing	Easting
0+000.00	3294988.64	438006.78
0+010.00	3294996.05	438000.06
0+020.00	3295003.46	437993.34
0+030.00	3295010.87	437986.63
0+040.00	3295018.58	437980.28
0+050.00	3295027.53	437975.89
0+060.00	3295037.30	437973.86
0+070.00	3295047.26	437974.31
0+080.00	3295057.10	437976.11
0+090.00	3295066.91	437978.04
0+100.00	3295075.63	437982.85
0+110.00	3295085.30	437985.03
0+120.00	3295095.16	437983.49
0+130.00	3295105.08	437982.33
0+140.00	3295115.00	437983.38
0+150.00	3295124.79	437985.43
0+160.00	3295134.57	437987.49
0+170.00	3295144.35	437989.57
0+180.00	3295153.71	437993.04
0+190.00	3295162.47	437997.86
0+200.00	3295171.21	438002.71
0+210.00	3295179.96	438007.56
0+220.00	3295188.87	438012.09
0+230.00	3295198.08	438015.98
0+240.00	3295207.54	438019.21
0+250.00	3295217.21	438021.76
0+260.00	3295227.04	438023.61
0+266.70	3295233.68	438024.46

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

Coordinate of Bench Marks (UTM–ZONE 39N)

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

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

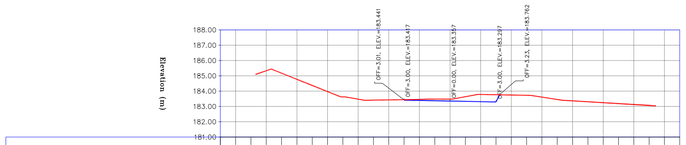
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

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
1/500	A1	BK–BK14–PEDCO–110–CV–DW–0001	83 OF 90	D00	053–073–9184	F	4	S	708209	83	D00

0+000.00



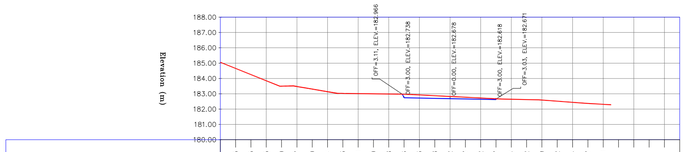
NATURAL GROUND ELEVATION	185.33	185.17	184.77	184.37	183.97	183.62	183.48	183.41	183.43	183.44	183.46	183.48	183.48	183.64	183.78	183.77	183.75	183.73	183.61	183.45	183.36	183.30	183.25	183.19	183.13	183.07		
PROJECT ELEVATION									183.42	183.40	183.38	183.36	183.34	183.32	183.30													
DIST. (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

0+010.00



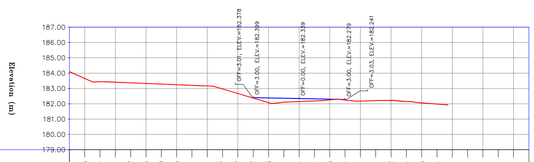
NATURAL GROUND ELEVATION	185.52	185.11	184.71	184.31	183.91	183.56	183.48	183.30	183.13	183.15	183.19	183.24	183.23	183.21	183.20	183.17	183.15	183.14	183.12	183.10	183.03	182.95	182.89	182.84	182.78	182.72		
PROJECT ELEVATION												183.08	183.06	183.04	183.02	183.00	182.98	182.96										
DIST. (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



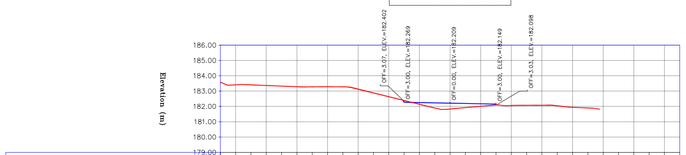
NATURAL GROUND ELEVATION	184.65	184.25	183.85	183.50	183.47	183.30	183.14	183.03	183.01	183.00	182.98	182.96	182.93	182.88	182.77	182.72	182.77	182.64	182.62	182.59	182.52	182.44	182.37	182.31				
PROJECT ELEVATION												182.74	182.72	182.70	182.68	182.66	182.64	182.62										
DIST. (m)	-14.00	-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+030.00



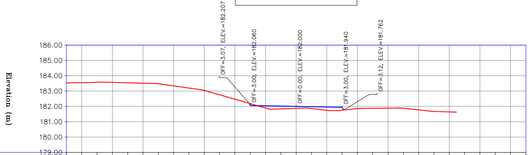
NATURAL GROUND ELEVATION	183.65	183.44	183.41	183.37	183.33	183.29	183.25	183.21	183.17	182.97	182.67	182.57	182.28	182.11	181.90	181.82	181.78	181.74	181.74	181.63	181.47	181.41	181.32	181.23	181.16	181.180		
PROJECT ELEVATION												182.40	182.38	182.36	182.34	182.32	182.30	182.28										
DIST. (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+033.82



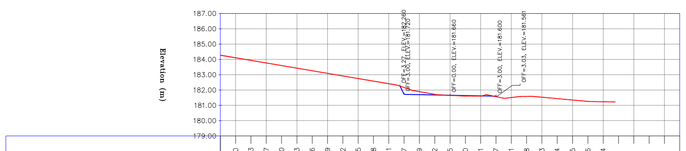
NATURAL GROUND ELEVATION	183.41	183.41	183.37	183.33	183.29	183.28	183.29	183.28	183.12	182.88	182.63	182.39	182.14	181.89	181.83	181.92	182.01	182.10	182.06	182.07	182.08	182.04	181.94	181.90				
PROJECT ELEVATION												182.27	182.25	182.23	182.21	182.19	182.17	182.15										
DIST. (m)	-14.00	-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

0+040.00



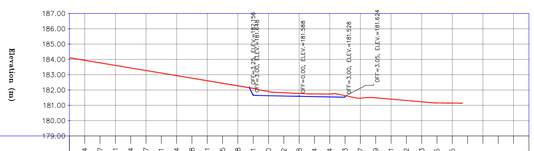
NATURAL GROUND ELEVATION	183.55	183.57	183.56	183.54	183.51	183.48	183.34	183.20	183.04	182.76	182.47	182.19	181.90	181.84	181.87	181.86	181.74	181.75	181.86	181.87	181.89	181.87	181.77	181.67	181.64			
PROJECT ELEVATION												182.06	182.04	182.02	182.00	181.98	181.96	181.94										
DIST. (m)	-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+050.00



NATURAL GROUND ELEVATION	184.10	183.93	183.77	183.60	183.43	183.26	183.09	182.92	182.75	182.58	182.41	182.17	181.89	181.72	181.65	181.60	181.61	181.57	181.58	181.53	181.44	181.35	181.26	181.24				
PROJECT ELEVATION												181.72	181.70	181.68	181.66	181.64	181.62	181.60										
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+052.14



NATURAL GROUND ELEVATION	183.84	183.77	183.61	183.44	183.27	183.11	182.94	182.78	182.61	182.45	182.28	182.11	181.90	181.82	181.78	181.74	181.74	181.63	181.47	181.41	181.32	181.23	181.16	181.15				
PROJECT ELEVATION												181.65	181.63	181.61	181.59	181.57	181.55	181.53										
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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

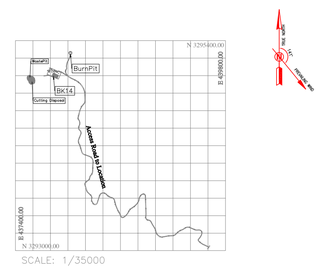
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60 / 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT

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

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	DESCRIPTION	BY	CHECKED	DATE	BY	APPR.	DATE
***	**********		**.**	***.****	**.**	***.****		
D00	OCT.2022	IFC	R.BERLOUI	M.FAKHARIAN	M.MEHRSHAD	**.**		
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.		

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

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	84 OF 90	D00

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

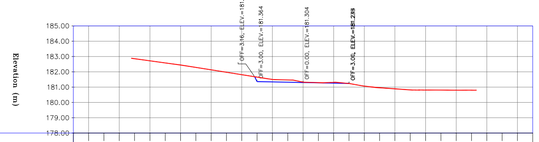
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

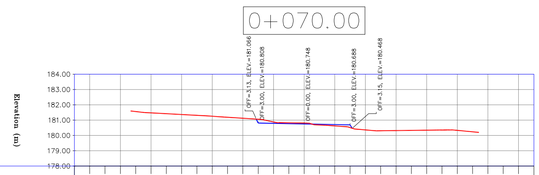
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	84	D00

0+060.00



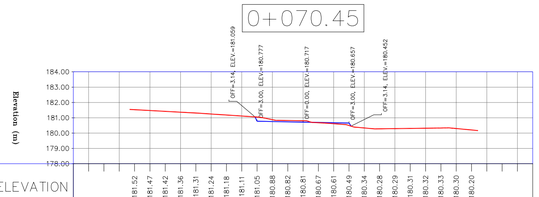
NATURAL GROUND ELEVATION	182.85	182.72	182.58	182.44	182.29	182.13	181.97	181.82	181.66	181.50	181.47	181.33	181.29	181.31	181.24	181.06	180.96	180.89	180.82	180.81	180.81	180.80	180.80						
PROJECT ELEVATION									181.36	181.34	181.32	181.30	181.28	181.26	181.24														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+070.00



NATURAL GROUND ELEVATION	181.56	181.47	181.42	181.37	181.31	181.25	181.19	181.12	181.06	180.88	180.82	180.81	180.75	180.73	180.71	180.69	180.62	180.51	180.36	180.30	180.32	180.33	180.34	180.35	180.33	180.24			
PROJECT ELEVATION									180.81	180.79	180.77	180.75	180.73	180.71	180.69														
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+070.45



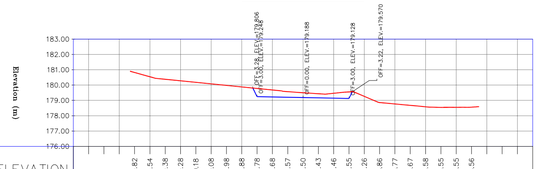
NATURAL GROUND ELEVATION	181.52	181.47	181.42	181.36	181.31	181.24	181.18	181.11	181.05	180.88	180.82	180.81	180.67	180.61	180.49	180.34	180.28	180.29	180.31	180.32	180.33	180.30	180.20						
PROJECT ELEVATION									180.78	180.76	180.74	180.72	180.70	180.68	180.66														
DIST. (m)	-14.00	-13.00	-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+080.00



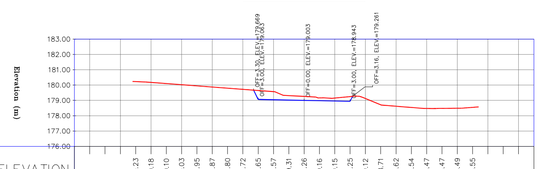
NATURAL GROUND ELEVATION	181.40	181.33	181.26	181.20	181.14	181.07	181.01	180.94	180.88	180.77	180.67	180.42	180.37	180.32	180.04	179.74	179.72	179.63	179.54	179.45	179.35	179.26	179.17						
PROJECT ELEVATION									180.00	179.98	179.96	179.94	179.92	179.90	179.88														
DIST. (m)	-14.00	-13.00	-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+087.96



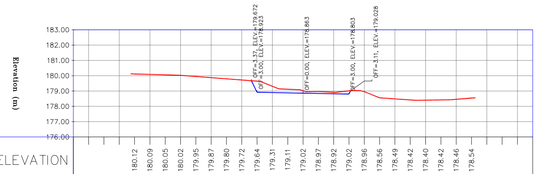
NATURAL GROUND ELEVATION	180.82	180.54	180.38	180.28	180.18	180.08	179.98	179.88	179.78	179.68	179.57	179.50	179.43	179.46	179.55	179.26	178.86	178.77	178.67	178.58	178.55	178.55	178.56						
PROJECT ELEVATION									179.25	179.23	179.21	179.19	179.17	179.15	179.13														
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+090.00



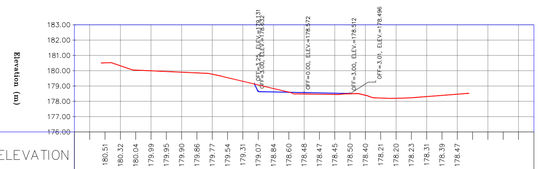
NATURAL GROUND ELEVATION	180.23	180.18	180.10	180.03	179.95	179.87	179.80	179.72	179.65	179.57	179.51	179.26	179.16	179.15	179.25	179.12	178.71	178.62	178.54	178.47	178.47	178.49	178.55						
PROJECT ELEVATION									179.06	179.04	179.02	179.00	178.98	178.96	178.94														
DIST. (m)	-14.00	-13.00	-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+091.63



NATURAL GROUND ELEVATION	180.12	180.09	180.05	180.02	179.95	179.87	179.80	179.72	179.64	179.31	179.11	179.02	178.97	178.92	178.92	178.56	178.49	178.42	178.40	178.42	178.46	178.54							
PROJECT ELEVATION									178.92	178.90	178.88	178.86	178.84	178.82	178.80														
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

0+095.30



NATURAL GROUND ELEVATION	180.51	180.32	180.04	179.99	179.95	179.90	179.86	179.77	179.54	179.31	179.07	178.84	178.60	178.48	178.47	178.45	178.50	178.40	178.21	178.20	178.23	178.31	178.39	178.47					
PROJECT ELEVATION									178.63	178.61	178.59	178.57	178.55	178.53	178.51														
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

NOTES

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HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
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- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

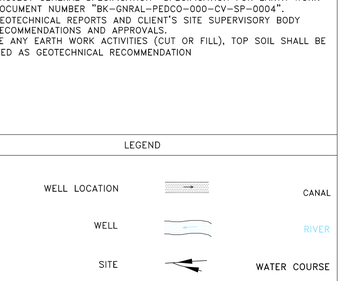
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	85 OF 90	D00

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

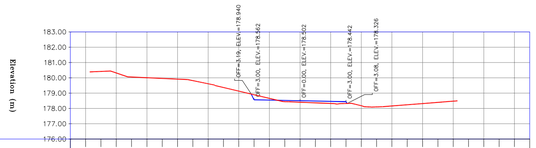
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

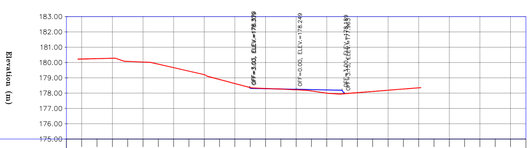
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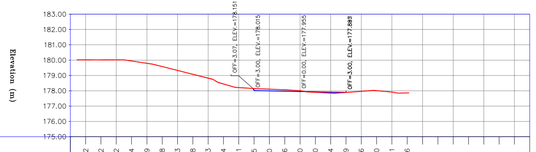
NATURAL GROUND ELEVATION	180.41	180.31	180.05	180.00	179.96	179.91	179.81	179.61	179.37	179.13	178.90	178.66	178.44	178.41	178.37	178.33	178.32	178.18	178.10	178.16	178.24	178.32	178.40	178.48				
PROJECT ELEVATION											178.56	178.54	178.52	178.50	178.48	178.46	178.44											
DIST. (m)	-14.00	-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+100.00



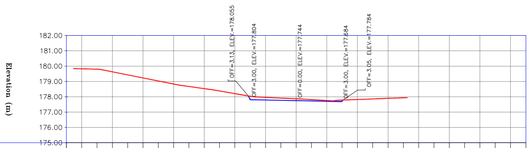
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PROJECT ELEVATION												178.31	178.29	178.27	178.25	178.23	178.21	178.19										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+105.21



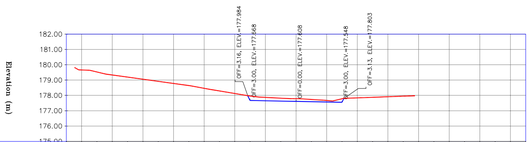
NATURAL GROUND ELEVATION	180.02	180.02	180.02	179.94	179.79	179.58	179.33	179.08	178.83	178.44	178.21	178.15	178.10	178.06	178.00	177.90	177.84	177.89	177.86	178.00	177.91	177.86						
PROJECT ELEVATION												178.01	177.99	177.97	177.95	177.93	177.91	177.89										
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+110.00



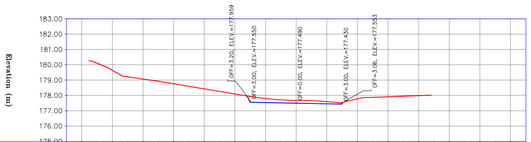
NATURAL GROUND ELEVATION	179.82	179.80	179.63	179.43	179.23	179.03	178.84	178.67	178.54	178.38	178.20	178.03	177.86	177.92	177.87	177.81	177.75	177.78	177.82	177.86	177.89	177.93						
PROJECT ELEVATION												177.80	177.78	177.76	177.74	177.72	177.70	177.68										
DIST. (m)	-14.00	-13.00	-12.00	-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+114.18



NATURAL GROUND ELEVATION	179.66	179.53	179.33	179.20	179.06	178.92	178.78	178.64	178.46	178.29	178.12	177.96	177.87	177.82	177.79	177.73	177.67	177.78	177.84	177.87	177.91	177.95						
PROJECT ELEVATION												177.67	177.65	177.63	177.61	177.59	177.57	177.55										
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

0+120.00



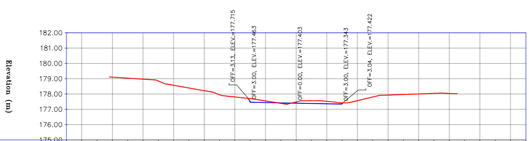
NATURAL GROUND ELEVATION	180.10	179.83	179.21	179.07	178.83	178.76	178.59	178.42	178.26	178.09	177.93	177.80	177.71	177.67	177.66	177.59	177.54	177.77	177.87	177.91	177.95	178.08						
PROJECT ELEVATION												177.55	177.53	177.51	177.49	177.47	177.45	177.43										
DIST. (m)	-14.00	-13.00	-12.00	-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

0+121.60



NATURAL GROUND ELEVATION	180.09	179.80	179.39	179.07	178.91	178.75	178.59	178.41	178.25	178.08	177.92	177.78	177.68	177.63	177.64	177.57	177.49	177.71	177.87	177.91	177.95	177.98						
PROJECT ELEVATION												177.53	177.51	177.49	177.47	177.45	177.43	177.41										
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

0+130.00



NATURAL GROUND ELEVATION	179.10	179.04	178.97	178.85	178.57	178.39	178.22	177.95	177.81	177.70	177.55	177.39	177.48	177.56	177.52	177.42	177.57	177.81	177.93	177.97	178.01	178.04	178.04					
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

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.

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LEGEND

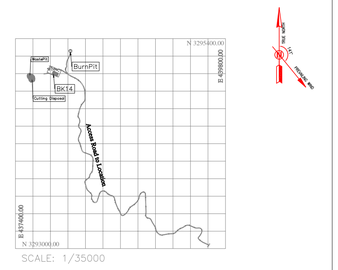
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60 / 50)
99.27 SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1: 200 V=1: 200	A1	BK-BK14-PEDCO-110-CV-DW-0001	86 OF 90	D00

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

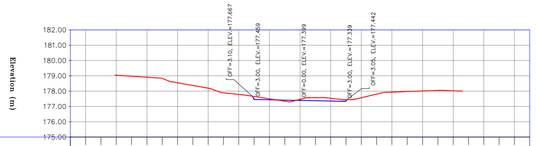
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

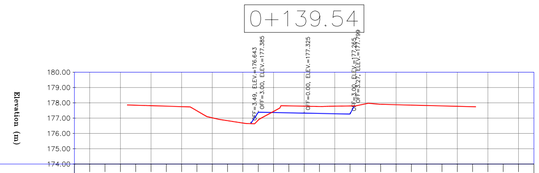
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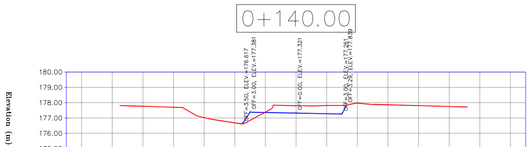
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PROJECT ELEVATION										177.46	177.44	177.42	177.40	177.38	177.36	177.34							
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00

0+139.54



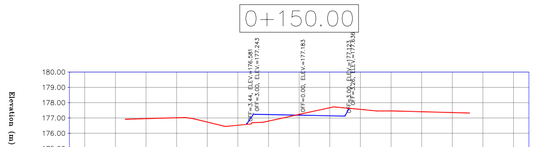
NATURAL GROUND ELEVATION	177.84	177.81	177.78	177.75	177.48	177.02	176.84	176.68	176.87	177.44	177.80	177.78	177.76	177.78	177.79	177.93	177.90	177.88	177.85	177.82	177.80	177.77	177.74
PROJECT ELEVATION									177.38	177.36	177.34	177.32	177.30	177.28	177.26								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-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



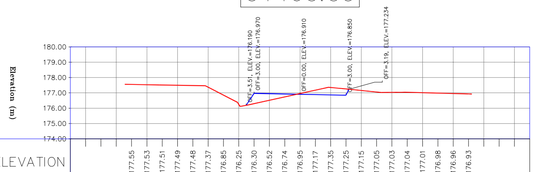
NATURAL GROUND ELEVATION	177.80	177.78	177.73	177.70	177.44	177.03	176.84	176.69	176.85	177.39	177.83	177.81	177.79	177.81	177.83	177.97	177.88	177.88	177.83	177.81	177.78	177.75	177.73
PROJECT ELEVATION									177.38	177.36	177.34	177.32	177.30	177.28	177.26								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-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



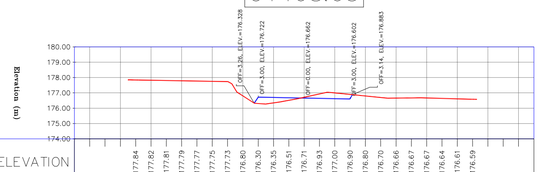
NATURAL GROUND ELEVATION	176.93	176.96	176.99	177.01	176.97	176.74	176.49	176.53	176.70	176.80	177.02	177.23	177.45	177.67	177.66	177.57	177.47	177.46	177.43	177.41	177.38	177.35	177.33
PROJECT ELEVATION								177.24	177.22	177.20	177.18	177.16	177.14	177.12									
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-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

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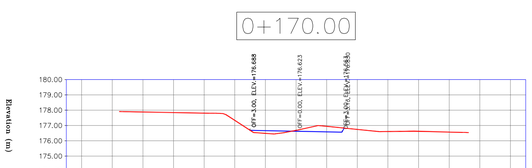
NATURAL GROUND ELEVATION	177.55	177.53	177.51	177.49	177.48	177.37	176.85	176.25	176.30	176.52	176.74	176.95	177.17	177.35	177.25	177.15	177.05	177.03	177.04	177.01	176.98	176.96	176.93
PROJECT ELEVATION									176.97	176.95	176.93	176.91	176.89	176.87	176.85								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-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



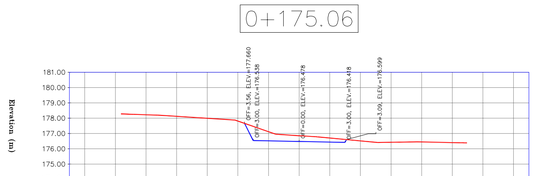
NATURAL GROUND ELEVATION	177.84	177.82	177.81	177.79	177.77	177.75	177.73	176.80	176.30	176.35	176.51	176.71	176.93	177.00	176.90	176.80	176.70	176.66	176.67	176.67	176.64	176.61	176.59
PROJECT ELEVATION									176.72	176.70	176.68	176.66	176.64	176.62	176.60								
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-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	177.54	176.69	176.49	176.51	176.68	176.90	176.94	176.84	176.74	176.65	176.61	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	176.44	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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

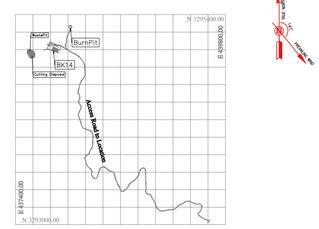
⊙	WELL LOCATION		CANAL
●	WELL		RIVER
▭	SITE		WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
═══	ASPHALT ROAD	99.27	SPOT HEIGHT
═══	GRAVEL ROAD	△	BENCH MARK
- - -	PROPOSED ROAD		BRIDGE
∿∿	DAYLIGHT		CULVERT

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

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

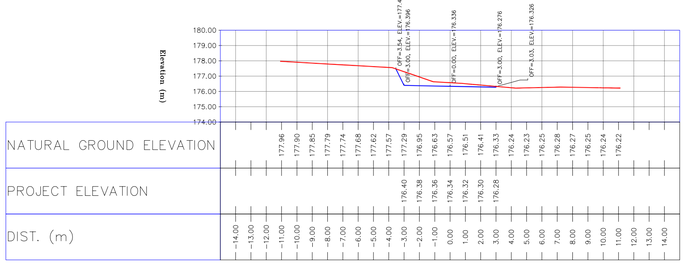
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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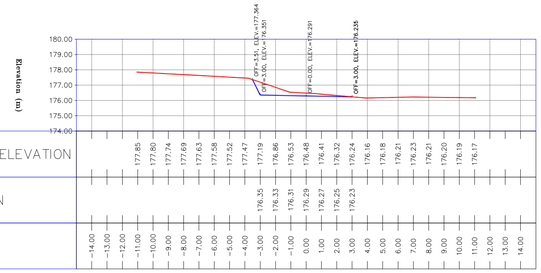
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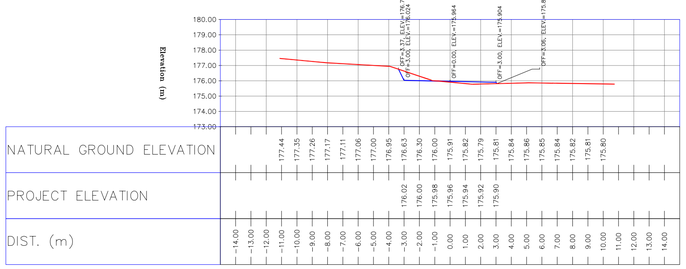
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NATURAL GROUND ELEVATION				177.96	177.90	177.85	177.79	177.74	177.68	177.62	177.57	177.29	176.95	176.63	176.57	176.51	176.41	176.33	176.24	176.23	176.25	176.28	176.27	176.25	176.24	176.22			
PROJECT ELEVATION												176.40	176.38	176.36	176.34	176.32	176.30	176.28											

0+181.48



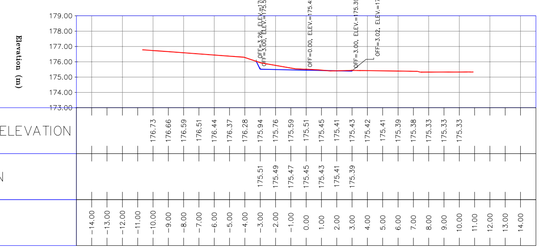
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NATURAL GROUND ELEVATION				177.85	177.80	177.74	177.69	177.63	177.58	177.52	177.47	177.19	176.86	176.53	176.48	176.41	176.32	176.24	176.16	176.18	176.21	176.23	176.21	176.20	176.19	176.17			
PROJECT ELEVATION												176.35	176.33	176.31	176.29	176.27	176.25	176.23											

0+190.00



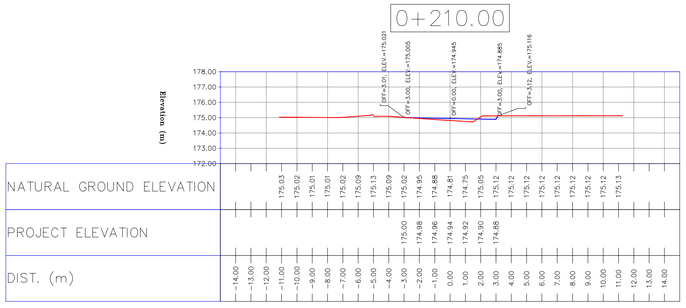
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NATURAL GROUND ELEVATION				177.44	177.35	177.26	177.17	177.11	177.06	177.00	176.95	176.63	176.30	176.00	175.98	175.96	175.94	175.92	175.90	175.91	175.86	175.85	175.84	175.82	175.81	175.80			
PROJECT ELEVATION												176.02	176.00	175.98	175.96	175.94	175.92	175.90											

0+200.00



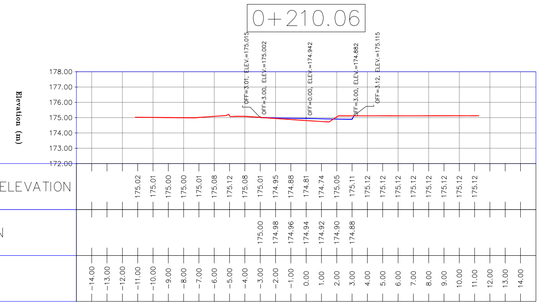
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NATURAL GROUND ELEVATION				176.73	176.66	176.59	176.51	176.44	176.37	176.28	175.94	175.76	175.59	175.51	175.45	175.43	175.41	175.43	175.41	175.42	175.41	175.39	175.38	175.33	175.33	175.33			
PROJECT ELEVATION												175.53	175.49	175.47	175.45	175.43	175.41	175.39											

0+210.00



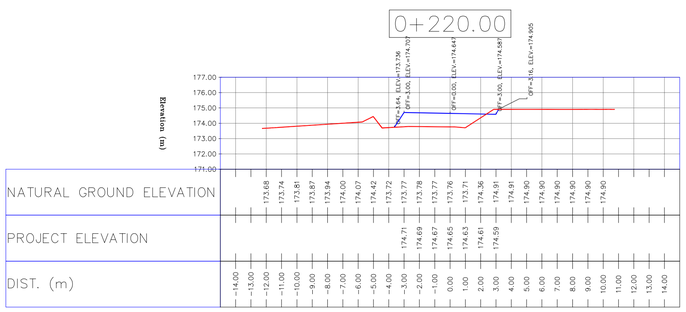
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION				175.03	175.02	175.01	175.02	175.09	175.13	175.09	175.02	175.02	174.95	174.88	174.81	174.75	175.05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

0+210.06



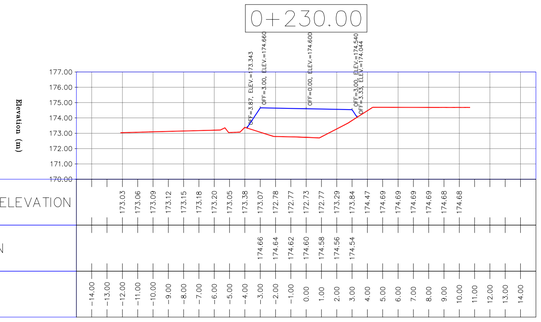
DIST. (m)	-14.00	-13.00	-12.00	-11.00	-10.00	-9.00	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
NATURAL GROUND ELEVATION				175.02	175.01	175.00	175.00	175.01	175.08	175.12	175.08	175.01	174.95	174.85	174.81	174.74	175.05	175.11	175.12	175.12	175.12	175.12	175.12	175.12	175.12	175.12			
PROJECT ELEVATION												175.00	174.98	174.96	174.94	174.92	174.90	174.88											

0+220.00



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				173.68	173.74	173.81	173.87	173.94	174.00	174.07	174.42	173.72	173.77	173.78	173.77	173.76	173.71	174.36	174.91	174.91	174.90	174.90	174.90	174.90	174.90	174.90			
PROJECT ELEVATION												174.71	174.69	174.67	174.65	174.63	174.61	174.59											

0+230.00



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

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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

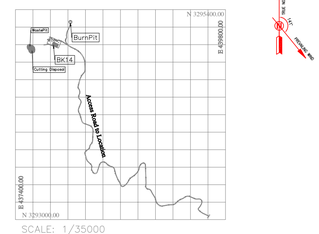
⊙	WELL LOCATION	→	CANAL
●	WELL	~	RIVER
▭	SITE	◢	WATER COURSE
▭	CAMP SITE	60 / 50	CONTOURS
▬	ASPHALT ROAD	99.27	SPOT HEIGHT
▬	GRAVEL ROAD	△	BENCH MARK
▬	PROPOSED ROAD	⊓	BRIDGE
∿	DAYLIGHT	⊓	CULVERT

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

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

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

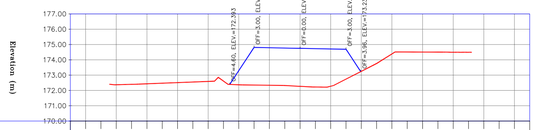
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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	88 OF 90	D00

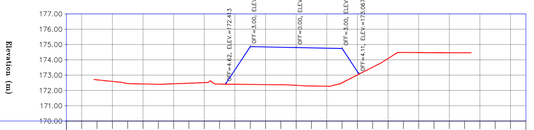
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	88	D00

0+238.38



NATURAL GROUND ELEVATION	172.37	172.40	172.43	172.47	172.51	172.55	172.59	172.61	172.37	172.35	172.34	172.33	172.27	172.23	172.28	172.74	173.25	173.76	174.39	174.51	174.51	174.50	174.50	174.50				
PROJECT ELEVATION									173.30	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



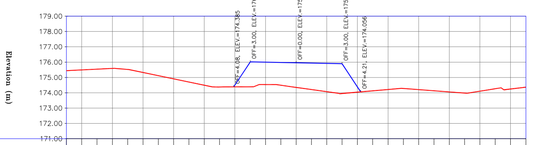
NATURAL GROUND ELEVATION	172.69	172.59	172.45	172.42	172.41	172.44	172.48	172.51	172.42	172.41	172.40	172.40	172.39	172.38	172.33	172.29	172.28	172.50	173.01	173.52	174.08	174.47	174.47	174.46	174.46			
PROJECT ELEVATION										173.35	174.86	174.84	174.82	174.80	174.78	174.76	174.74	173.23								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



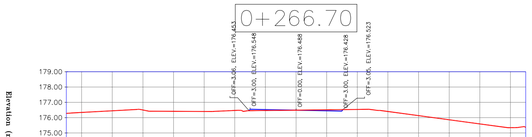
NATURAL GROUND ELEVATION	174.20	174.16	174.07	173.91	173.69	173.47	173.30	173.27	173.23	173.19	173.36	173.84	173.47	173.10	172.96	172.88	172.80	172.73	172.69	172.68	172.80	173.05	173.32	173.62	174.25	174.24	174.24	174.23
PROJECT ELEVATION											173.80	175.31	175.29	175.27	175.25	175.23	175.21	175.19	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

0+266.70



NATURAL GROUND ELEVATION	176.34	176.39	176.45	176.50	176.50	176.41	176.41	176.41	176.43	176.47	176.45	176.47	176.48	176.49	176.50	176.51	176.52	176.53	176.51	176.40	176.27	176.13	176.00	175.86	175.73	175.59	175.46	175.35
PROJECT ELEVATION											176.55	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 SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

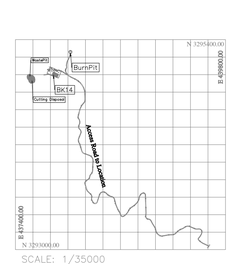
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS
SPOT HEIGHT
BENCH MARK
BRIDGE
CULVERT

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

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

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

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	89 OF 90	D00

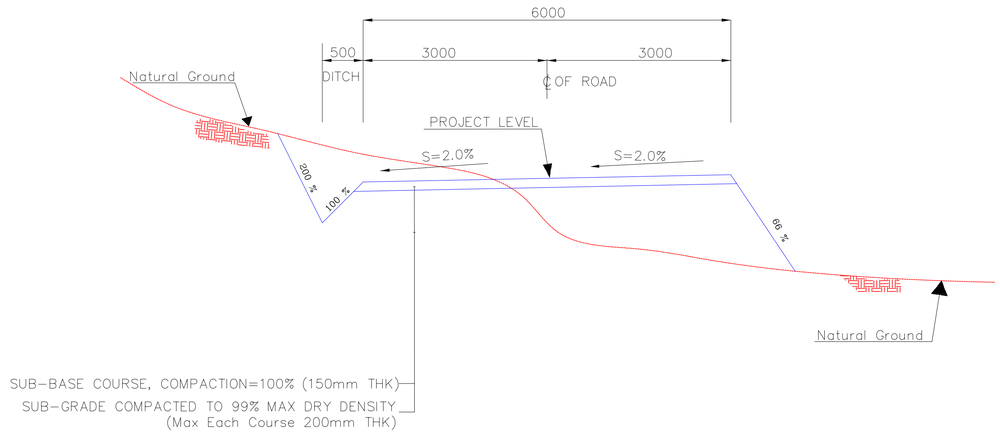
اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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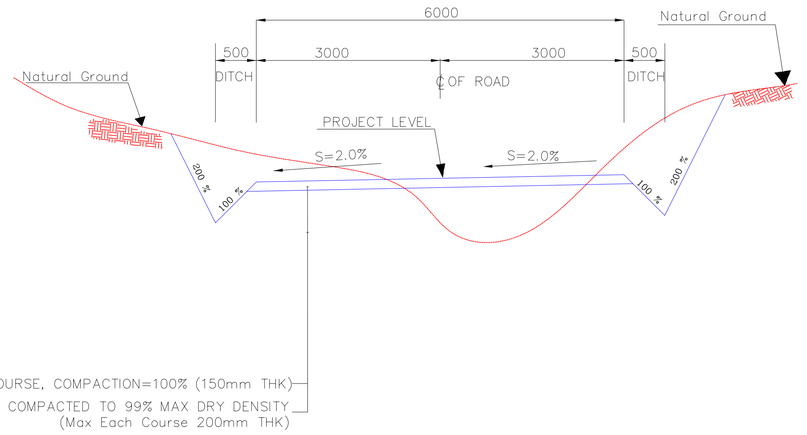
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

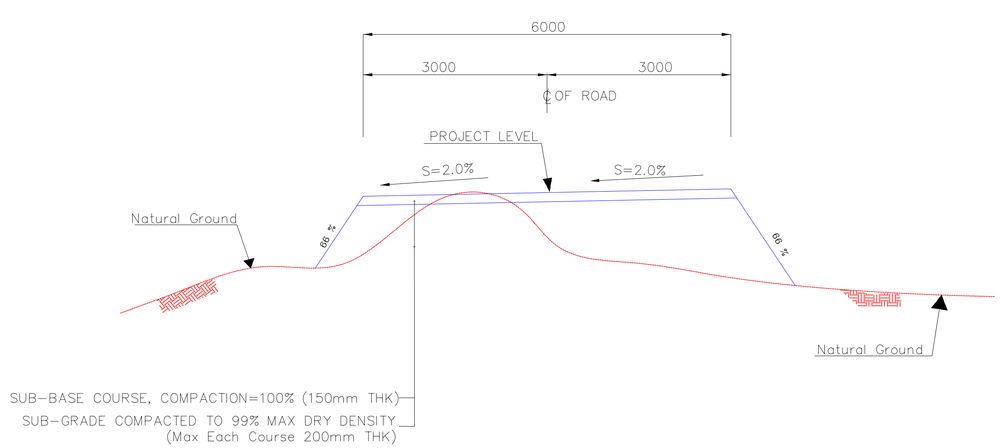
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

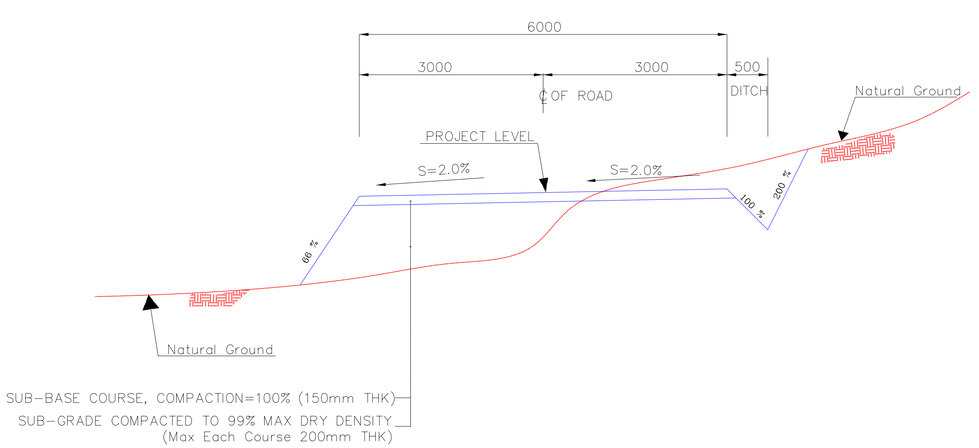
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	89	D00









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

NOTES

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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".
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LEGEND

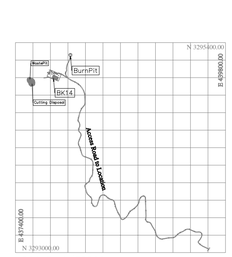
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE	60 / 50	CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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

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KEY PLAN



REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14

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	90 OF 90	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	90	D00