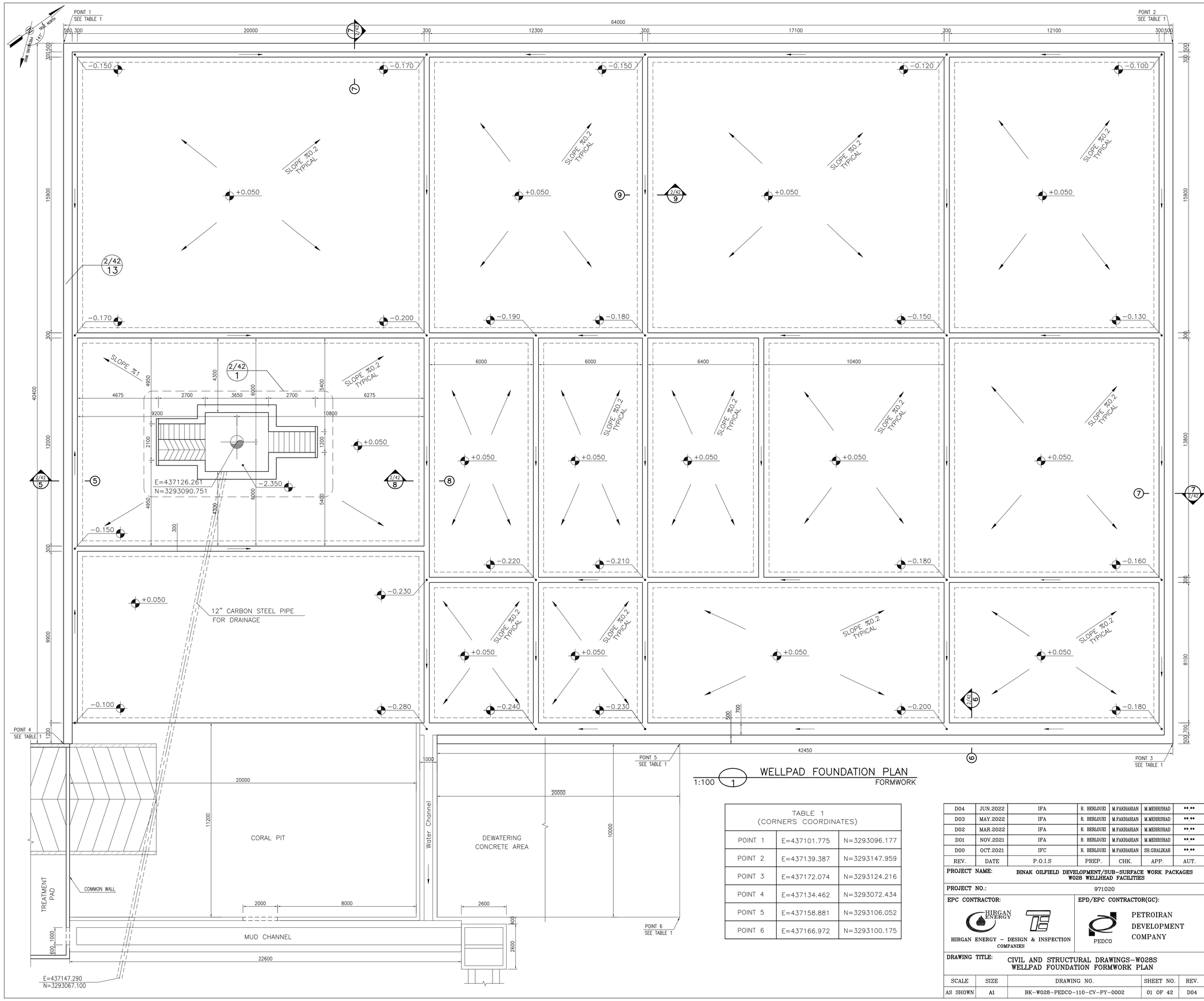

WELLPAD FOUNDATION PLAN

1:100 (1) FORMWORK

TABLE 1 (CORNERS COORDINATES)		
POINT 1	E=437101.775	N=3293096.177
POINT 2	E=437139.387	N=3293147.959
POINT 3	E=437172.074	N=3293124.216
POINT 4	E=437134.462	N=3293072.434
POINT 5	E=437158.881	N=3293106.052
POINT 6	E=437166.972	N=3293100.175

NOTES

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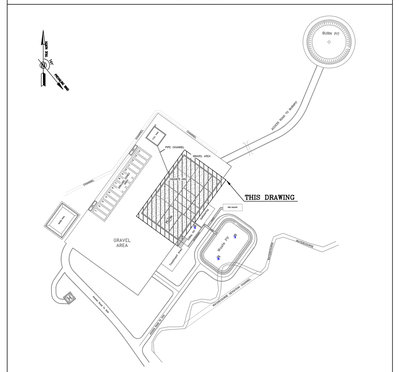
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

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

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 -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
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.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHAJIKAR	**.**

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 W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

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-W028S
WELLPAD FOUNDATION FORMWORK PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	01 OF 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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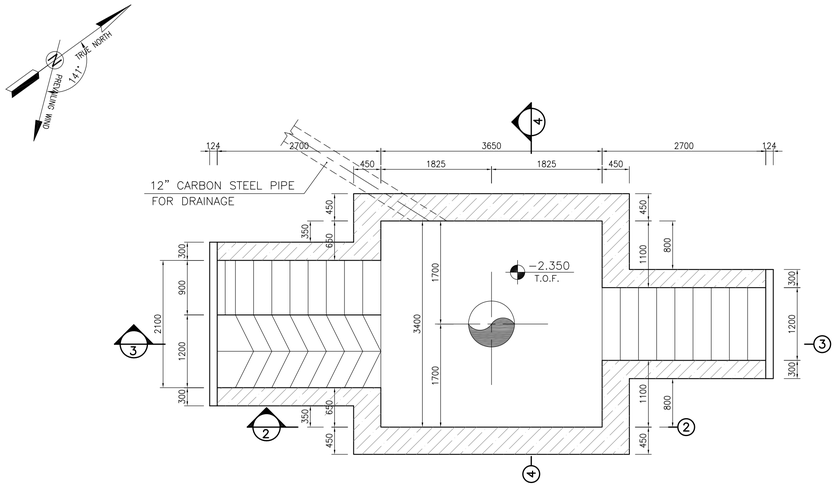
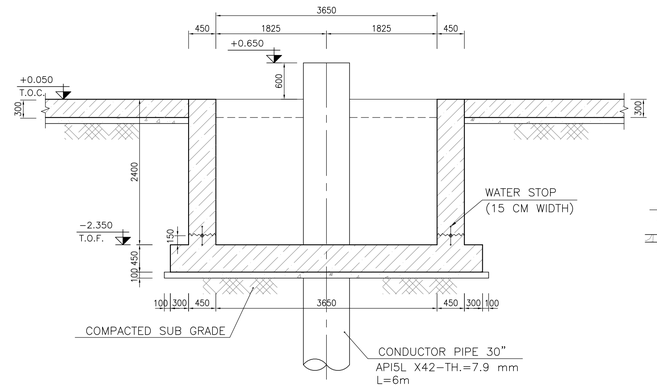
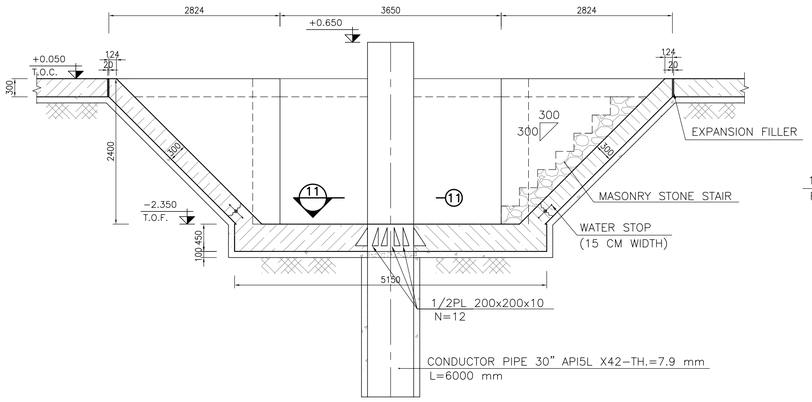


1/41 1 — 1:50 CELLAR PIT FORMWORK PLAN



1:50 2 FORMWORK



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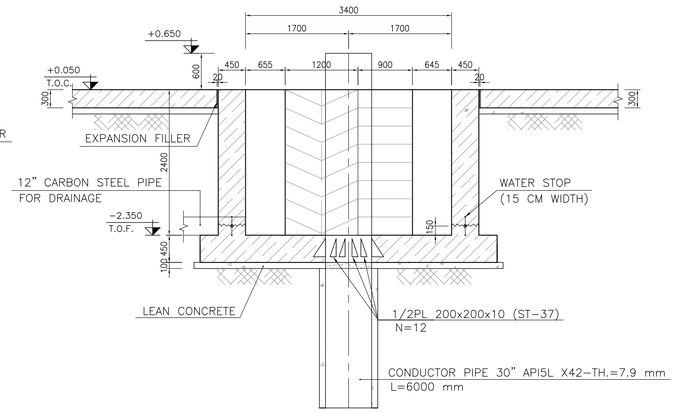

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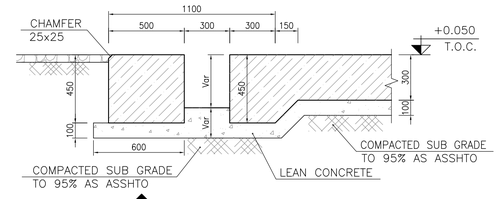
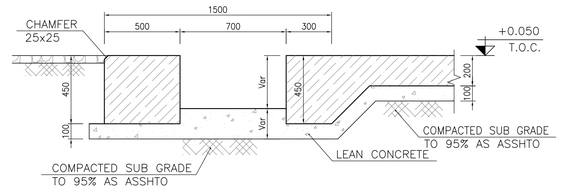
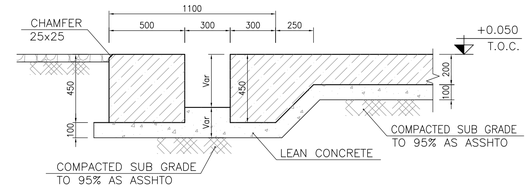


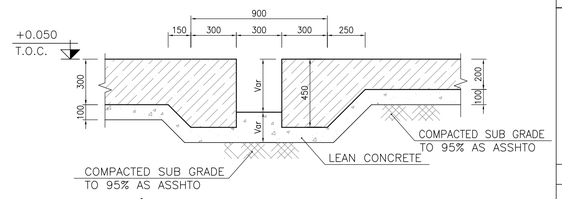
1/42 5 — 1:20 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



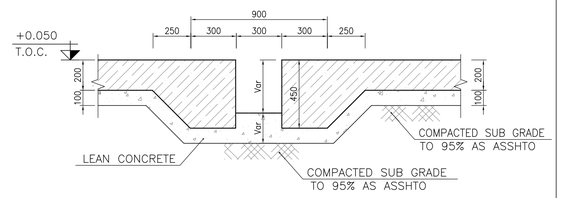
1/42 6 — 1:20 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



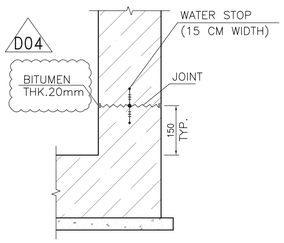
1/42 7 — 1:20 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



1/42 8 — 1:20 TYPICAL CHANNEL SECTION IN MIDDLE SIDE



1/42 9 — 1:20 TYPICAL CHANNEL SECTION IN MIDDLE SIDE



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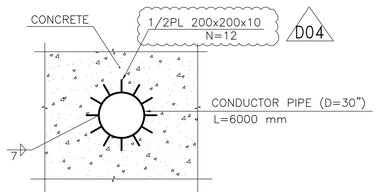

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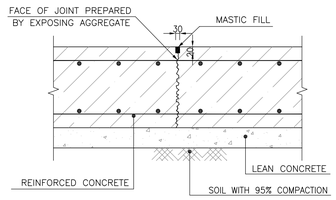
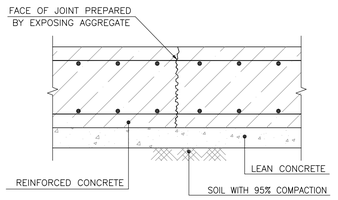


12 — N.T.S. TYPICAL CONTRACTION JOINT EVERY 6000



13 — N.T.S. TYPICAL CONSTRUCTION JOINT

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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)
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7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
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DENSITY : 4.1-5.1 gr/cm
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
9-JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

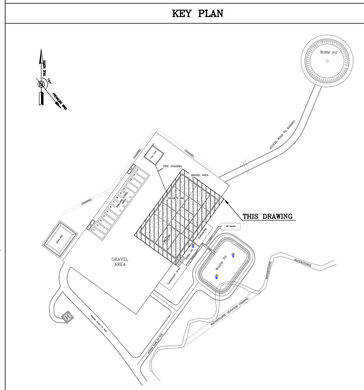
±0.00 = +31.00(R.G.L.)MSL

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 -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
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.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S WELLPAD AND RIG FOUNDATION DETAILS & SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	02 OF 42	D04

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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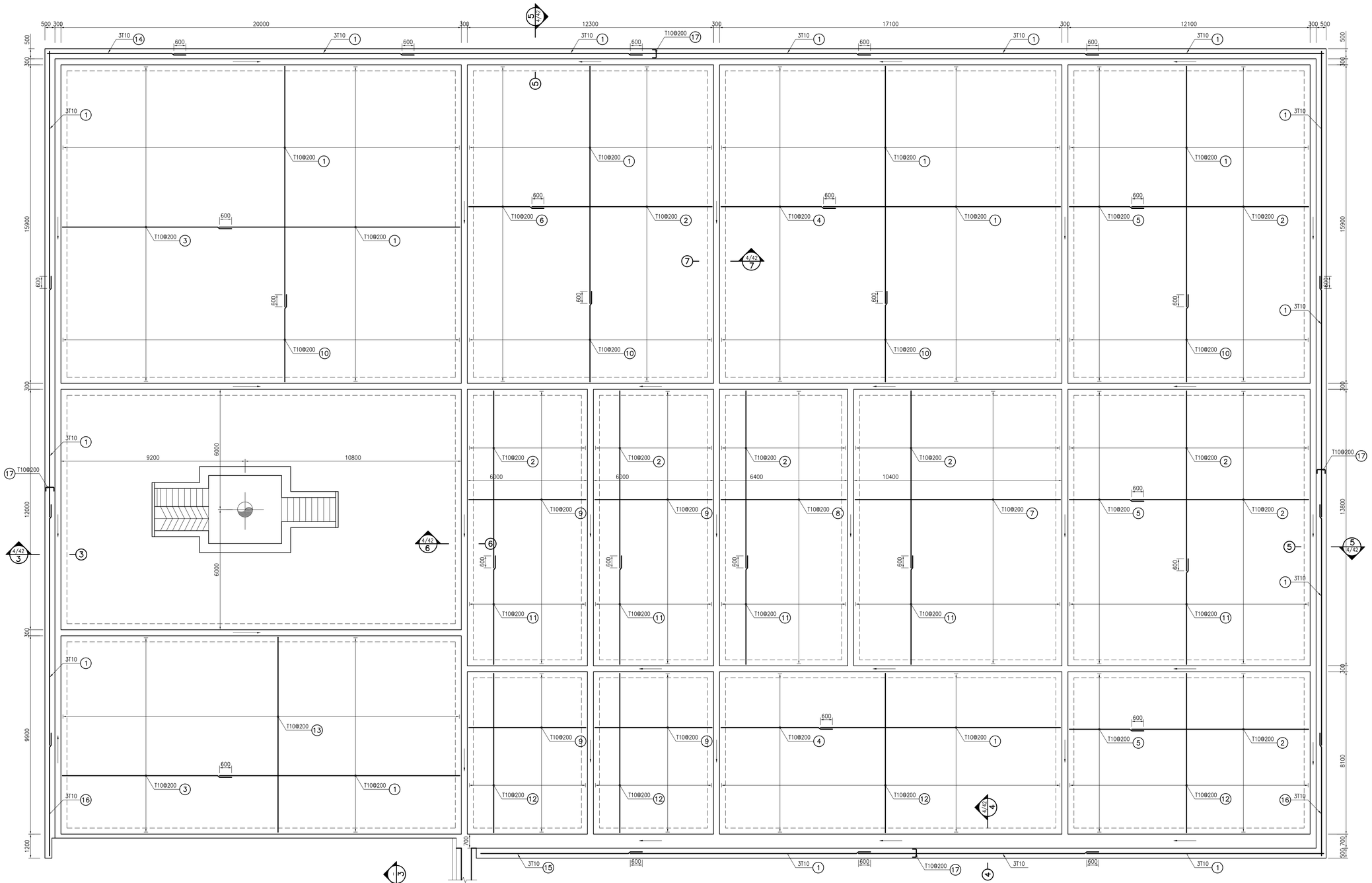
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

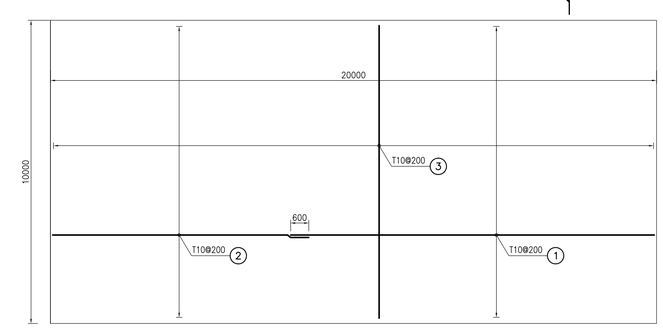
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

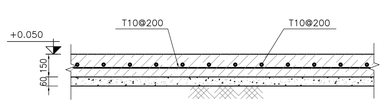
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	2	D04



WELLPAD FOUNDATION PLAN
1:100 (1) REINFORCEMENT



DEWATERING FORMWORK PLAN
1:100 (2) REINFORCEMENT



1:20 (3) REINFORCEMENT

BAR BENDING SCHEDULE – DEWATERING					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	12000	12.00	49	588.0
2	T10	8450	8.45	49	414.1
3	T10	9650	9.65	100	965
TOTAL LENGTH OR AREA (m/m2)					1967.1
UNIT WEIGTH (Kg)					0.617
WEIGTH (Kg)					1213.70
GRAND TOTAL (Kg)					1214

NOTES

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

±0.00 = +31.00(R.G.L.)MSL

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SLOPE	R.G.L.	ROUGH GRADING LEVEL

REFERENCE DRAWING	DRG. No.
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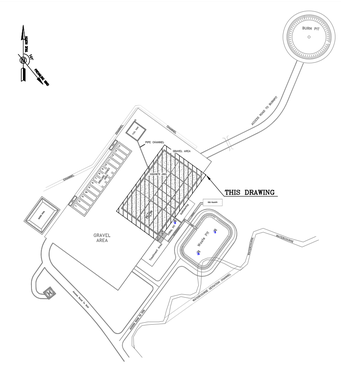
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040

KEY PLAN



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REV.	DESCRIPTION	CHECKED BY	DATE	REV. BY	APPR. DATE
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S WELLPAD FOUNDATION REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	03 OF 42	D04

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

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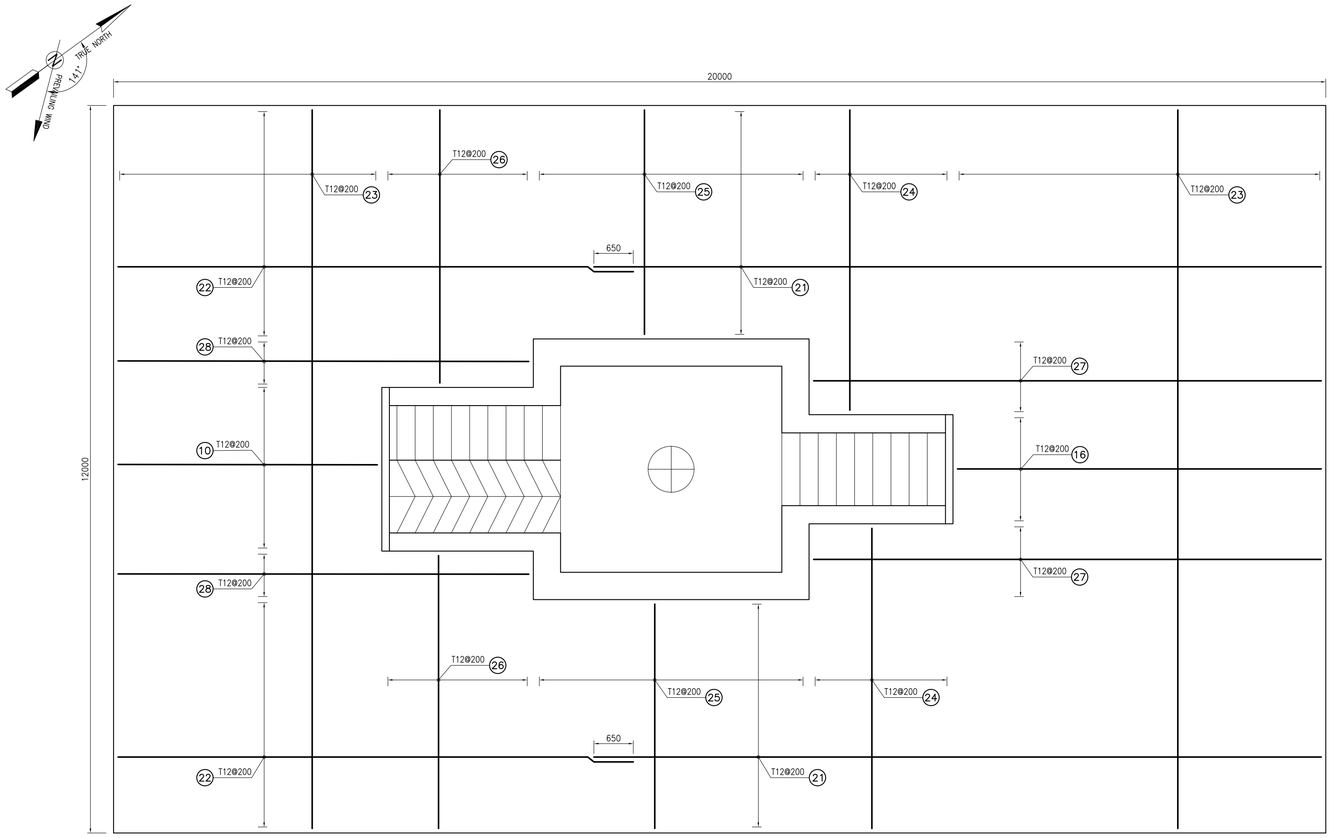
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

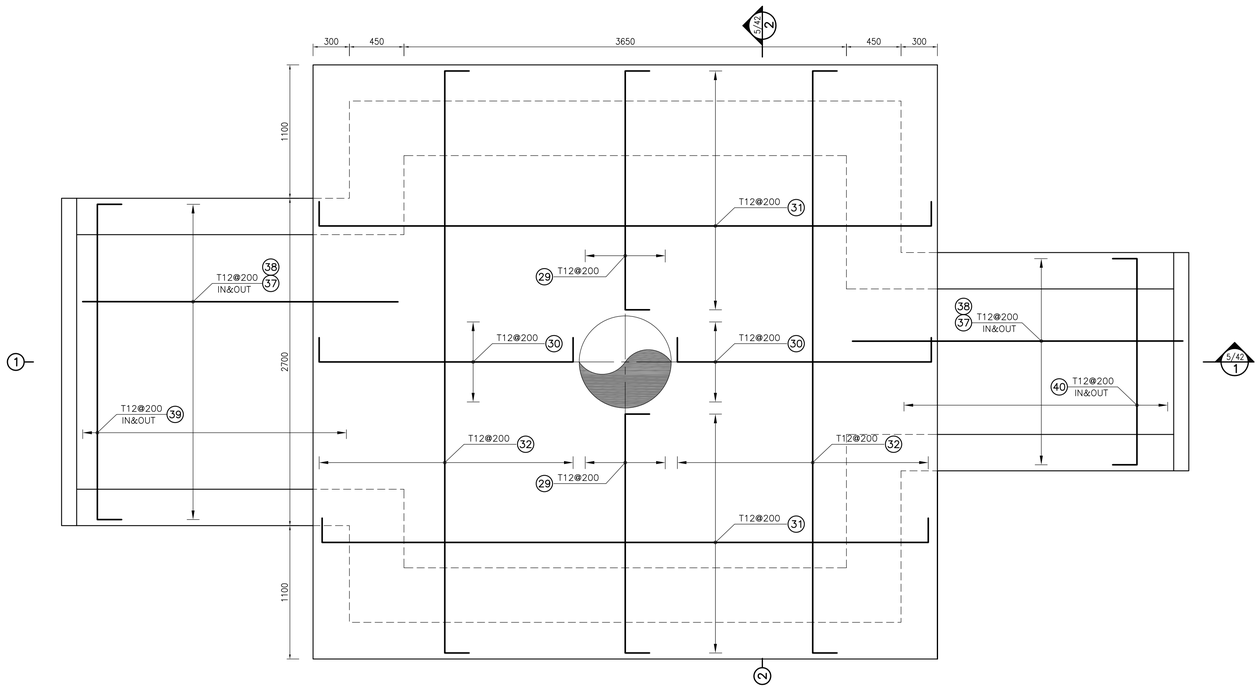
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

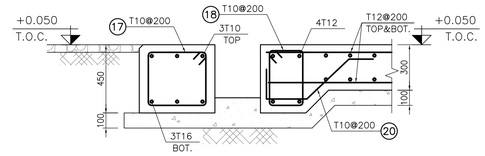
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	3	D04



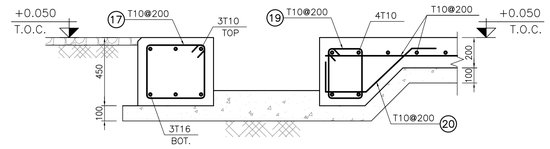
1:50 (1) RIG FOUNDATION REINFORCEMENT PLAN
TOP & BOTTOM



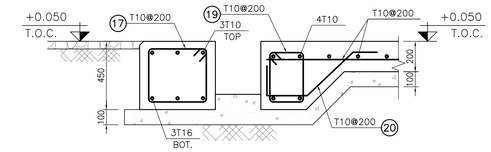
1:25 (-/2) CELLAR PIT FOUNDATION REINFORCEMENT PLAN
TOP & BOTTOM



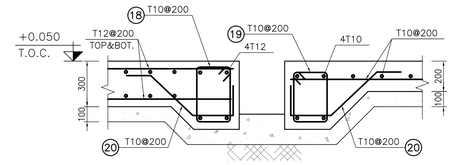
1:20 (3/42 / 3) TYPICAL CHANNEL SECTION
IN BOUNDARY SIDE



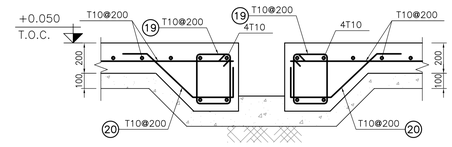
1:20 (3/42 / 4) TYPICAL CHANNEL SECTION
IN BOUNDARY SIDE



1:20 (3/42 / 5) TYPICAL CHANNEL SECTION
IN BOUNDARY SIDE



1:20 (3/42 / 6) TYPICAL CHANNEL SECTION
IN MIDDLE SIDE



1:20 (3/42 / 7) TYPICAL CHANNEL SECTION
IN MIDDLE SIDE

NOTES

1- ALL COORDINATES ARE IN METER.
2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
4-ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa(ON CYLINDRICAL SPECIMEN)
5-ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa(ON CYLINDRICAL SPECIMEN)
6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm^2
7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR,
BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm^3
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
9-JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
10-CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
11-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

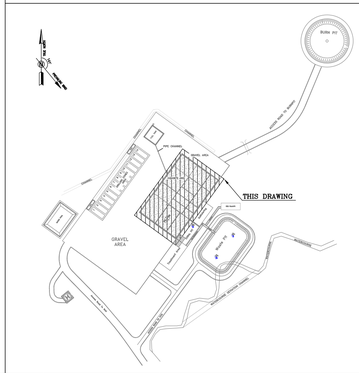
±0.00 = +31.00(R.G.L.)MSL

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 -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
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.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

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

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

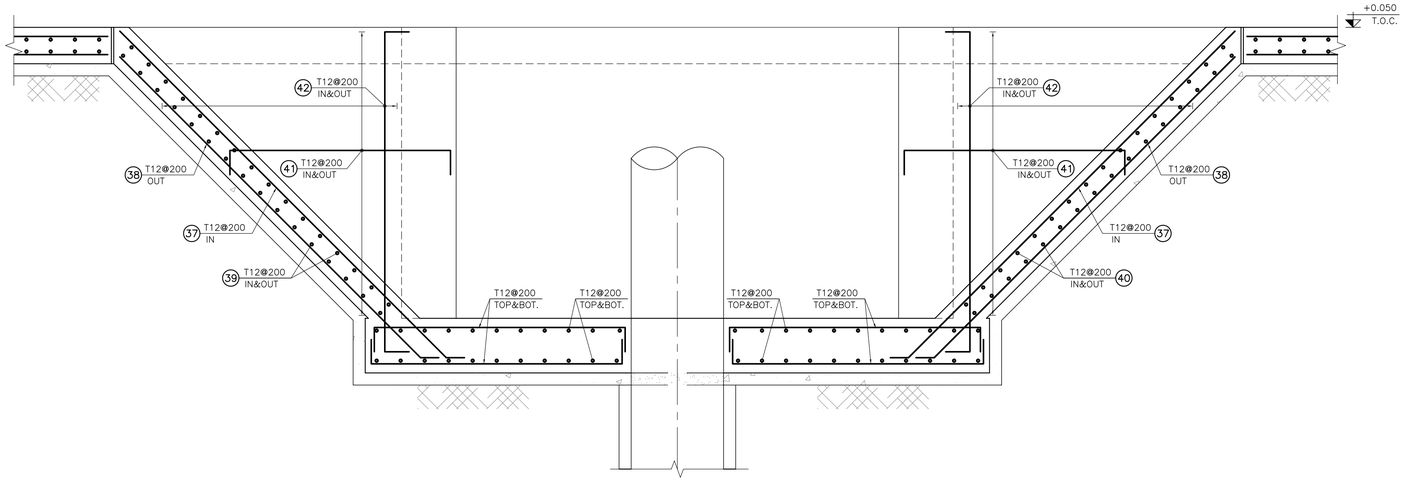
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
RIG AND CELLAR FOUNDATION REINFORCEMENT-SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

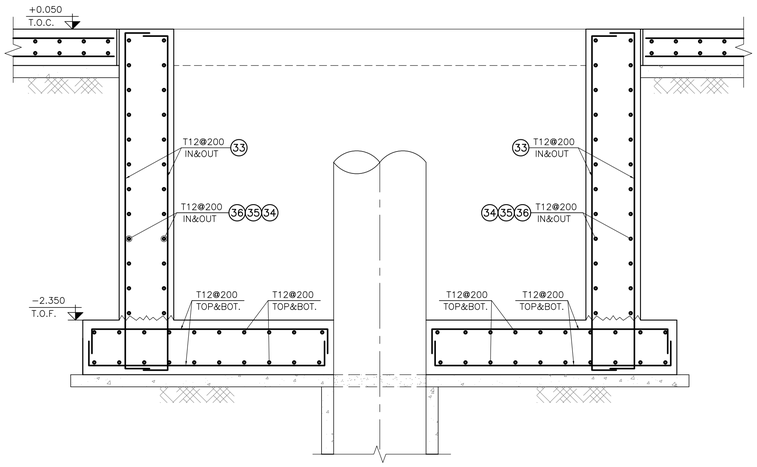
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	04 OF 42	D04	053-073-9184	F	4	2	707548	4	D04

BAR BENDING SCHEDULE – WELLPAD & CELLAR						
Pos	Spec.	Shape	L/A	No.	T10	T112
1	T10	12000	12.00	637	7644.00	
2	T10	9000	9.00	478	4302.00	
3	T10	8450	8.45	130	1098.50	
4	T10	5550	5.55	121	671.55	
5	T10	3550	3.55	191	670.05	
6	T10	3750	3.75	80	300.00	
7	T10	10250	10.25	70	717.50	
8	T10	6250	6.25	70	737.50	
9	T10	5850	5.85	222	1298.70	
10	T10	4350	4.35	336	1461.6	
11	T10	5250	5.25	206	1081.50	
12	T10	7950	7.95	206	1637.70	
13	T10	9750	9.75	100	975.00	
14	T10	6850	6.85	6	41.10	
15	T10	8100	8.10	6	48.60	
16	T10	6000	6.00	32	192.00	
17	T10	300 350 100 100	1.50	925	1387.50	
18	T10	300 150 100 100	1.10	320	352.00	
19	T10	250 150 100 100	1.00	1950	1950.00	
20	T10	150 200 400 150	0.90	3625	3262.50	
21	T12	12000	12.00	80		960.00
22	T12	8500	8.50	80		680.00
23	T12	11850	11.85	108		1279.80
24	T12	4950	4.95	48		237.60
25	T12	3700	3.70	48		177.60
26	T12	4500	4.50	48		216.00
27	T12	8400	8.40	24		201.60
28	T12	6800	6.80	16		108.80
29	T12	200 1900 200	2.30	16		36.80
30	T12	200 2000 200	2.40	16		38.40
31	T12	200 5000 200	5.40	40		216.00
32	T12	200 4750 200	5.15	44		226.60
33	T12	200 2700 200	3.10	84		260.40
34	T12	200 4400 200	4.80	48		230.40
35	T12	200 1400 200	1.80	48		86.40
36	T12	200 950 200	1.35	48		64.80
37	T12	200 3800	4.00	24		96.00
38	T12	200 3500	3.70	24		88.80
39	T12	200 2550 200	2.95	32		94.40
40	T12	200 1650 200	2.05	32		65.60
41	T12	200 700–2700 200	Var	48		100.80
42	T12	200 300–2300 200	Var	56		95.20
TOTAL LENGTH OR AREA (m/m2)					29829.30	6251.20
UNIT WEIGTH (Kg)					0.617	0.888
WEIGTH (Kg)					18404.67	4939.06
GRAND TOTAL (Kg)					23400	



1:25 4/41 1 REINFORCEMENT



1:25 4/42 2 REINFORCEMENT

BAR BENDING SCHEDULE – DEWATERING					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	12000	12.00	50	600.0
2	T10	8450	8.45	50	422.5
3	T10	9850	9.85	100	985.0
TOTAL LENGTH OR AREA (m/m2)					2007.50
UNIT WEIGTH (Kg)					0.617
WEIGTH (Kg)					1238.7
GRAND TOTAL (Kg)					1240

NOTES

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

±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

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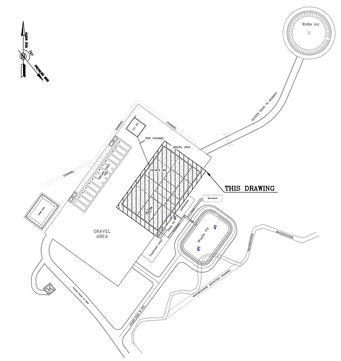
LEAN CONCRETE		T.O.W.	TOP OF WALL
CEMENT BLOCK WALL		T.O.C.	TOP OF CONCRETE
GRAVEL		T.O.PIT	TOP OF PIT
SUB GRADE		B.O.P.	BOTTOM OF PIPE
SLOPE		R.G.L.	ROUGH GRADING LEVEL

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 –W028	BK–W028–PEDCO–110–CV–PY–0001
ROUGH GRADING PLANS –W028	BK–W028–PEDCO–110–CV–DW–0001
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.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB–SURFACE WORK PACKAGES W028 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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

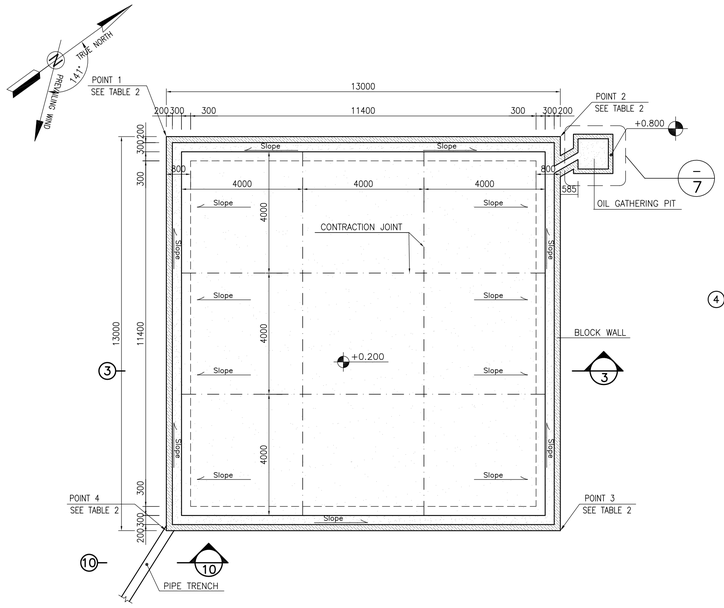
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS–W028S
RIG AND CELLAR SECTIONS – LISTOFER

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

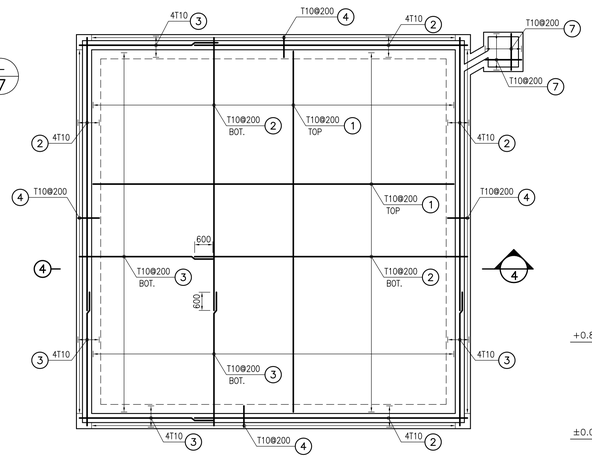
APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK–W028–PEDCO–110–CV–PY–0002	05 OF 42	D04

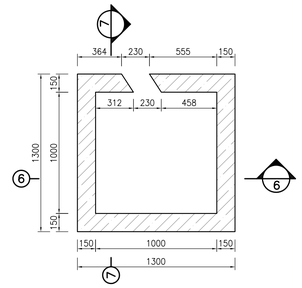
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	2	707548	5	D04



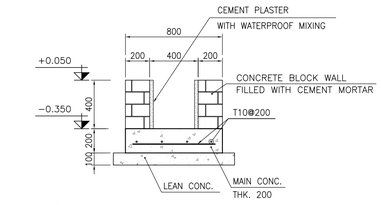
1:100 (1) GAS OIL STORAGE FOUNDATION
FORMWORK



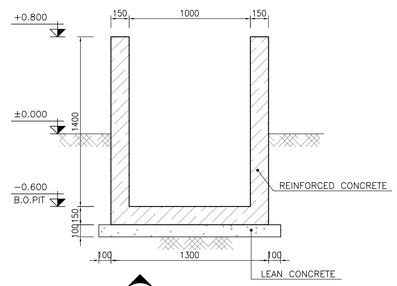
1:100 (2) GAS OIL STORAGE FOUNDATION
REINFORCEMENT



1:25 (5) OIL GATHERING PIT



1:25 (10) TYPICAL SECTION OF PIPE TRENCH



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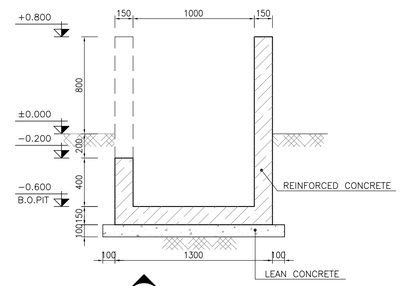

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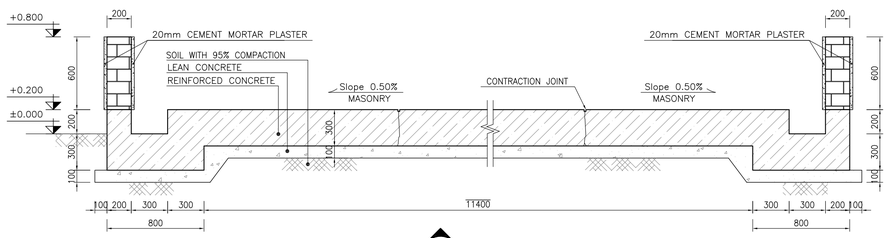
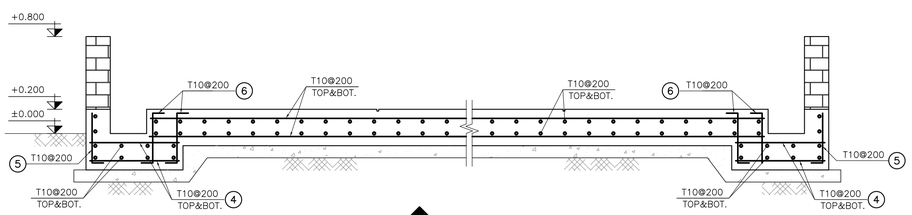
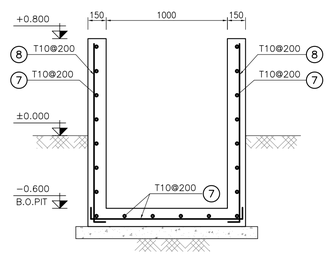


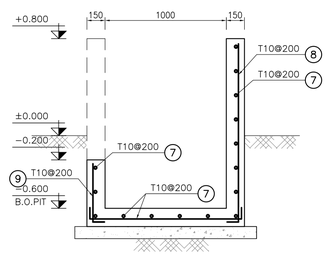
1:25 (3) FORMWORK



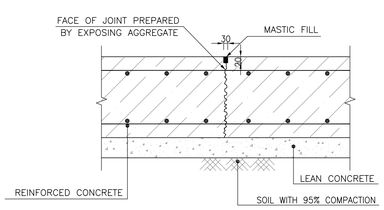
1:25 (4) REINFORCEMENT



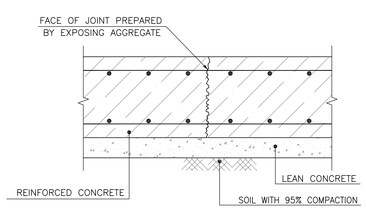
1:25 (8) REINFORCEMENT



1:25 (9) REINFORCEMENT



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



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

BAR BENDING SCHEDULE – GAS OIL STORAGE					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	11850	11.85	124	1469.4
2	T10	9000	9.00	140	1260.0
3	T10	4450	4.45	140	600.85
4	T10	650	0.65	480	312.00
5	T10	150 350	0.50	240	120.00
6	T10	150 350 150	0.65	480	312.00
7	T10	1150	1.15	37	42.55
8	T10	150 1400	1.55	34	52.70
9	T10	150 400	0.55	14	7.70
TOTAL LENGTH OR AREA (m)					4188.20
UNIT WEIGTH (Kg/m)					0.617
WEIGTH (Kg)					2577.34
GRAND TOTAL (Kg)					2580

TABLE 2 (CORNERS COORDINATES)		
POINT 1	E=437105.558	N=3293162.643
POINT 2	E=437113.198	N=3293173.161
POINT 3	E=437123.716	N=3293165.521
POINT 4	E=437116.076	N=3293155.003

NOTES

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

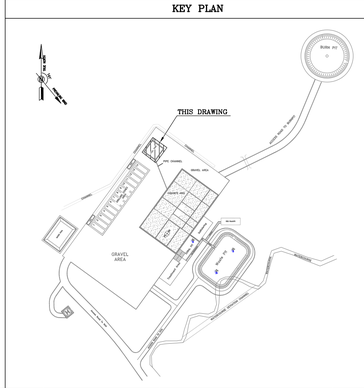
±0.00 = +31.00(R.G.L.)MSL

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 -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
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.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

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

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
GAS OIL PAD FORMWORK & REINFORCEMENT PLAN-SECTION

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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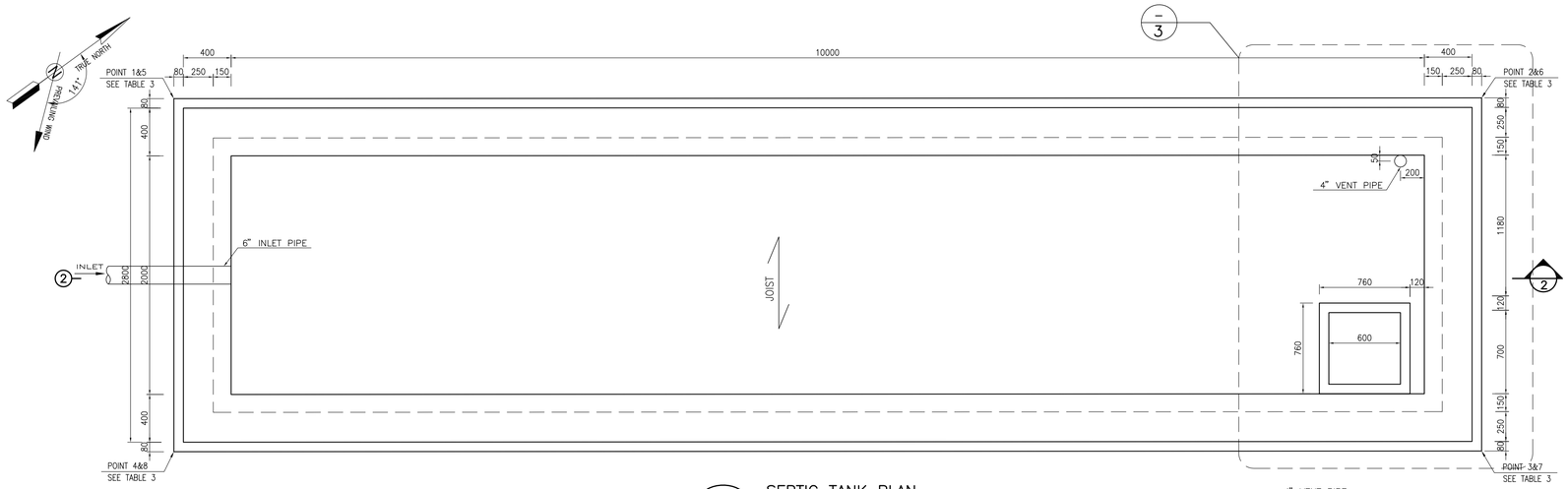
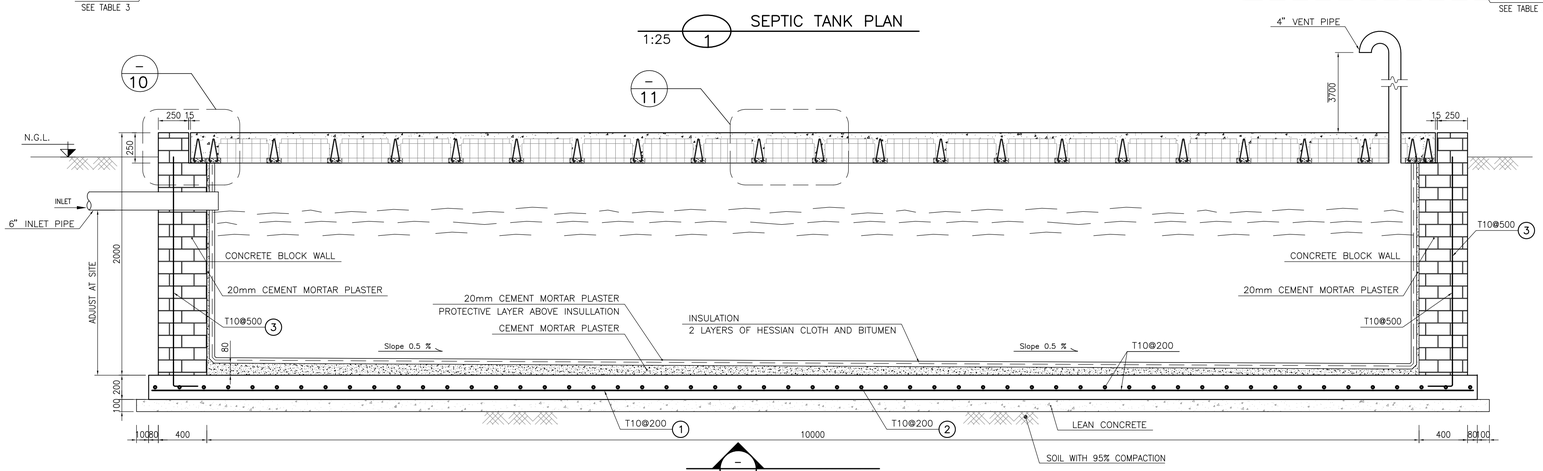


SEPTIC TANK PLAN
1:25 (1)



FORMWORK REINFORCEMENT
1:25 (2)

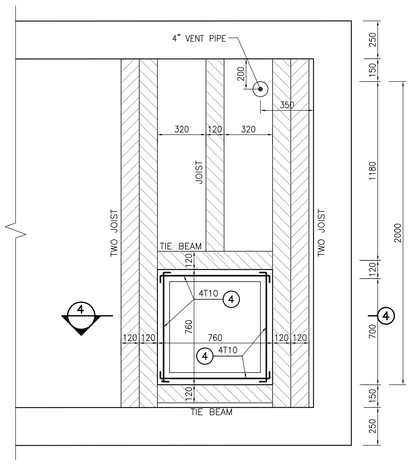


TABLE 3 (CORNERS COORDINATES)		
POINT 1	E=437090.383	N=3293148.353
POINT 2	E=437096.825	N=3293157.221
POINT 3	E=437099.219	N=3293155.480
POINT 4	E=437092.777	N=3293146.612
POINT 5	E=437054.638	N=3293099.141
POINT 6	E=437061.079	N=3293108.008
POINT 7	E=437063.473	N=3293106.267
POINT 8	E=437057.032	N=3293097.400

NOTES

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

±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

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REFERENCE DRAWING	DRG. No.
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GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT -W028	BK-W028-PEDCO-110-CV-PY-0001
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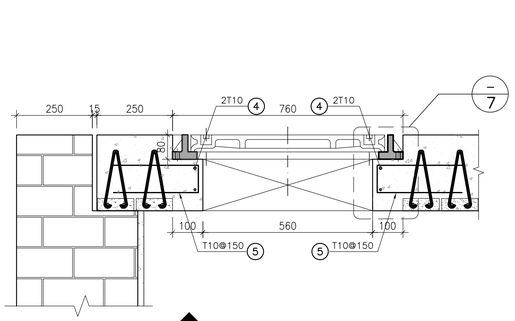
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040



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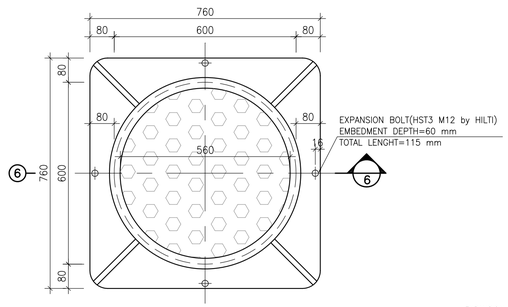
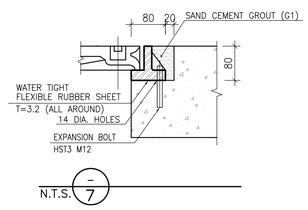
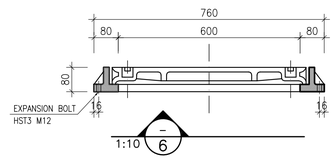


1:10 (5) DUCTILE IRON DETAIL
HEAVY DUTY DUCTILE IRON COATED FLAT COVERS AND FRAMES



N.T.S. (7)



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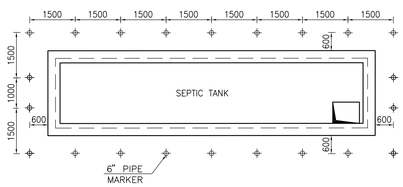
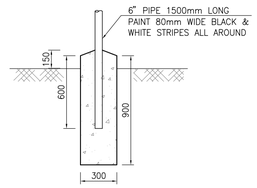
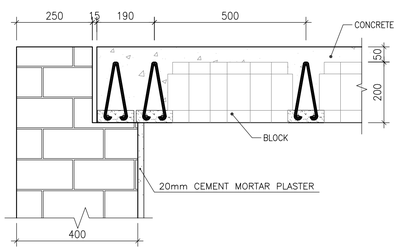


1:100 (8) ARRANGMENT OF MARKERS



1:25 (9) DETAIL OF MARKERS



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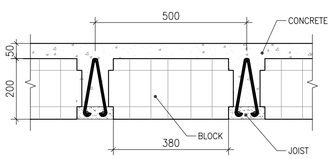

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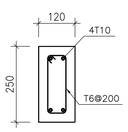
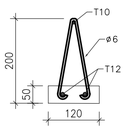


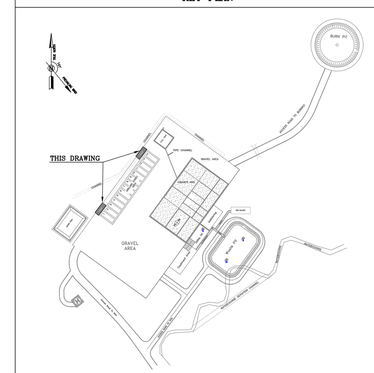
1:10 (12) TYPICAL SEC. OF TIE BEAM



1:10 (13) JOIST DETAIL

BAR BENDING SCHEDULE - SEPTIC TANK					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	10800	10.80	14	151.20
2	T10	2800	2.80	18	50.40
3	T10	150 2050	2.20	52	114.40
4	T10	150 600 150	0.90	8	7.20
5	T10	90 280 280	0.65	20	13.0
TOTAL LENGTH OR AREA (m/m2)					336.20
UNIT WEIGTH (Kg)					0.617
WEIGTH (Kg)					207.44
GRAND TOTAL (Kg)					210

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
PROJECT NO.: 971020

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

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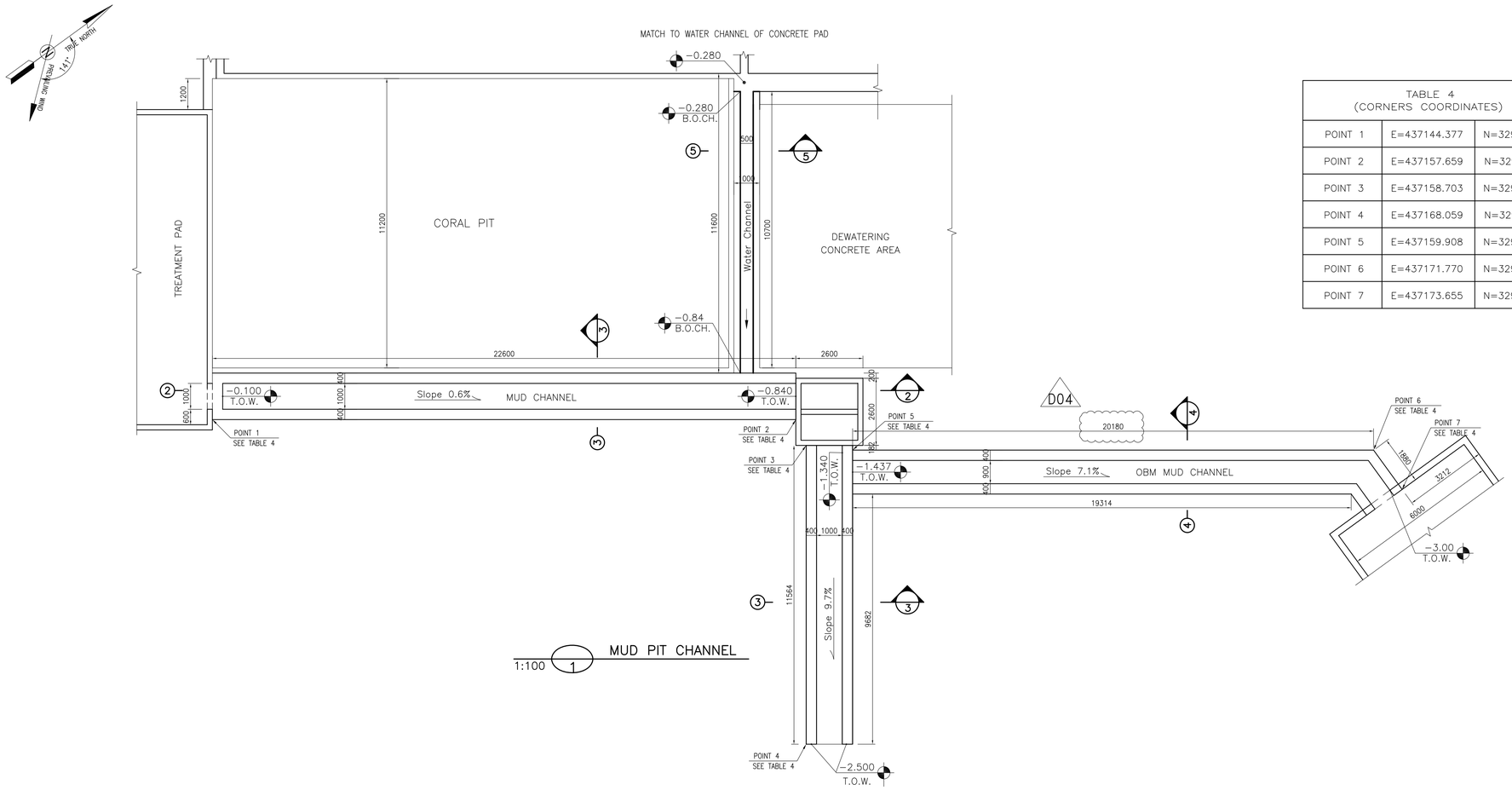
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
SEPTIC TANK FORMWORK & REINFORCEMENT PLAN-SECTION

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	07 OF 42	D04	053-073-9184	F	4	2	707548	7	D04



1:100 (1) MUD PIT CHANNEL

TABLE 4 (CORNERS COORDINATES)		
POINT 1	E=437144.377	N=3293065.665
POINT 2	E=437157.659	N=3293083.951
POINT 3	E=437158.703	N=3293083.687
POINT 4	E=437168.059	N=3293076.891
POINT 5	E=437159.908	N=3293085.036
POINT 6	E=437171.770	N=3293101.370
POINT 7	E=437173.655	N=3293101.367

NOTES

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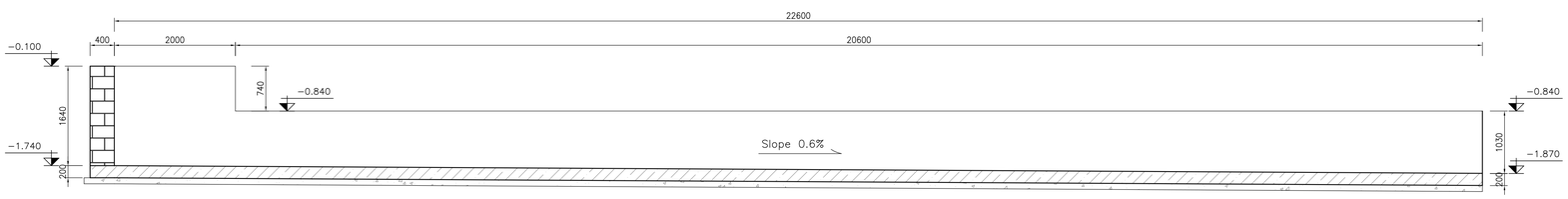
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

±0.00 = +31.00(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

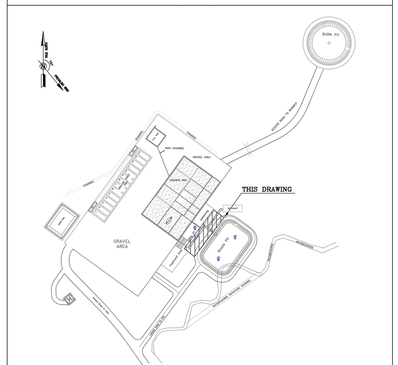
REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRAL-PEDCO-000-CV-SP-0003
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040

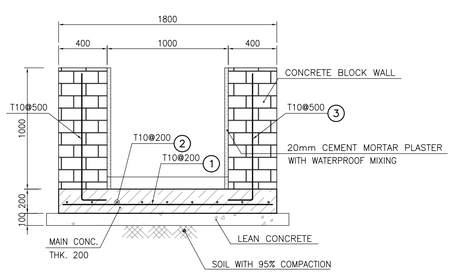


1:50 (2) FORMWORK

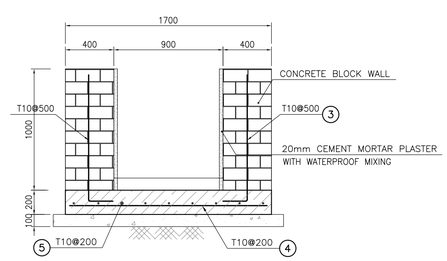
BAR BENDING SCHEDULE - SEPTIC TANK					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	1700	1.70	170	289.0
2	T10	L.T	320.0	-	320.0
3	T10	150 1100	1.25	224	280.0
4	T10	1600	1.60	101	161.6
5	T10	L.T	180.0	-	180.0
6	T10	800	0.80	55	44.0
7	T10	10600	10.6	5	53.0
8	T10	150 400-800	-	46	34.50
TOTAL LENGTH OR AREA (m/m2)					1329.70
UNIT WEIGTH (Kg)					0.617
WEIGTH (Kg)					820.42
GRAND TOTAL (Kg)					820

KEY PLAN

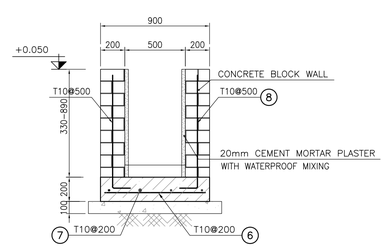




1:25 (3) FORMWORK REINFORCEMENT



1:25 (4) FORMWORK REINFORCEMENT



1:25 (5) FORMWORK REINFORCEMENT

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
MUD PIT CHANNEL FORMWORK & REINFORCEMENT PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	08 OF 42	D04

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

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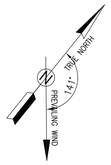
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

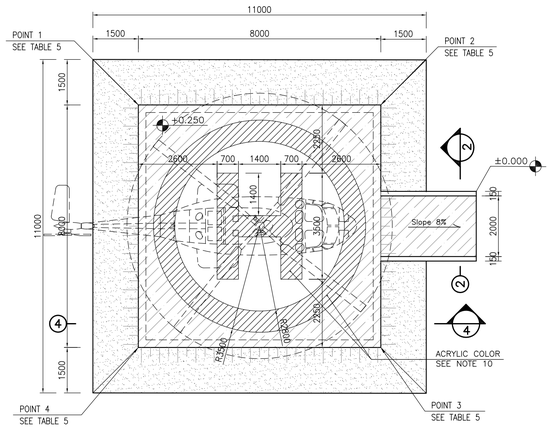
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

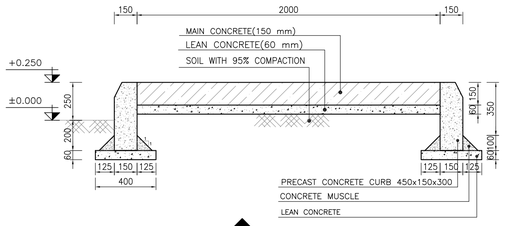
APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	8	D04

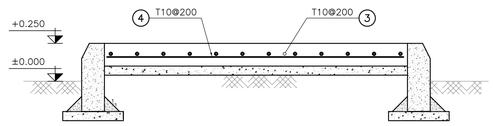




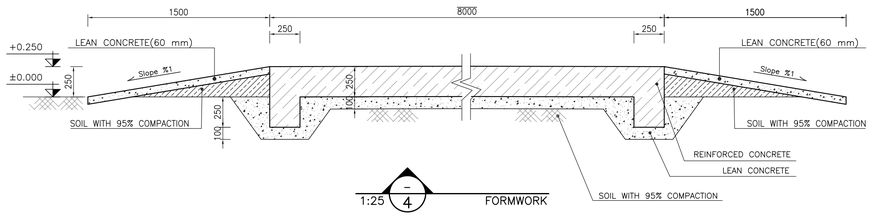
1:100 (1) CONCRETE PAD PLAN



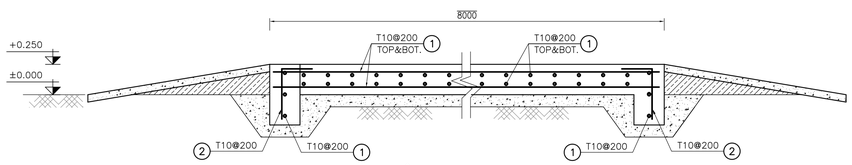
1:20 (2) FORMWORK



1:25 (3) REINFORCEMENT



1:25 (4) FORMWORK



1:25 (5) REINFORCEMENT

TABLE 5 (CORNERS COORDINATES)		
POINT 1	E=437032.963	N=3293022.272
POINT 2	E=437039.195	N=3293027.288
POINT 3	E=437044.212	N=3293021.057
POINT 4	E=437037.980	N=3293016.040

BAR BENDING SCHEDULE – CONCRETE PAD					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	7850	7.85	164	1287.4
2	T10	150 350	0.50	156	78.0
3	T10	3000	3.00	11	33.0
4	T10	1850	1.85	15	27.75
TOTAL LENGTH OR AREA (m/m2)					1426.15
UNIT WEIGTH (Kg)					0.617
WEIGTH (Kg)					879.93
GRAND TOTAL (Kg)					880

NOTES

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

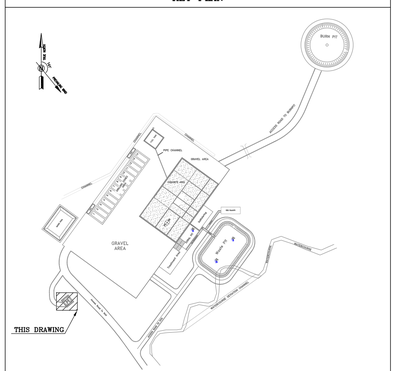
±0.00 = +32.00(R.G.L.)MSL

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 –W028	BK–W028–PEDCO–110–CV–PY–0001
ROUGH GRADING PLANS –W028	BK–W028–PEDCO–110–CV–DW–0001
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.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	** **

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB–SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS–W028S HELIPAD FORMWORK & REINFORCEMENT PLAN–SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK–W028–PEDCO–110–CV–PY–0002	09 OF 42	D04

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

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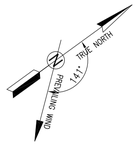
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

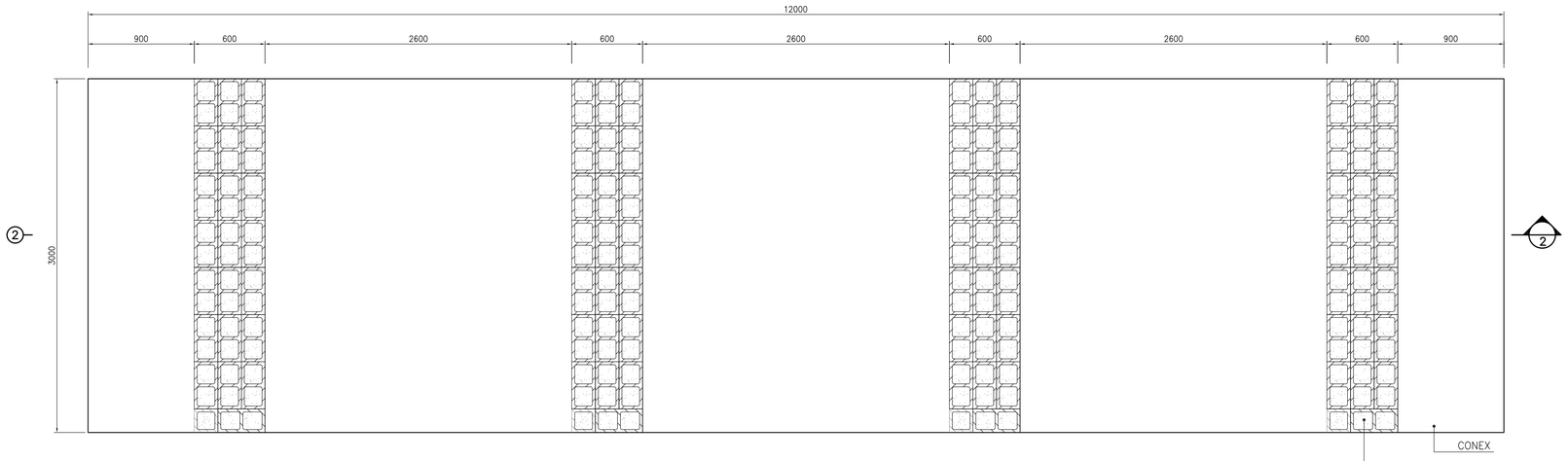
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

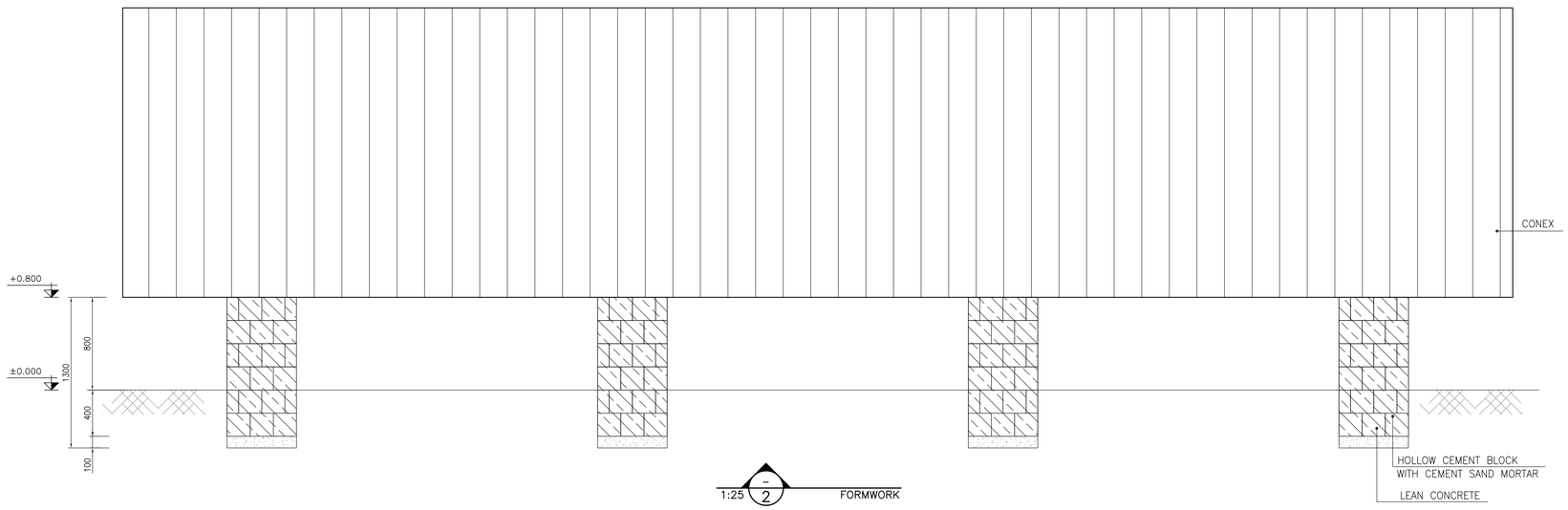
APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	2	707548	9	D04





1:25 (1) CONEX FOUNDATION PLAN



1:25 (2) FORMWORK

NOTES

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2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
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4-ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa(ON CYLINDRICAL SPECIMEN)
5-ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa(ON CYLINDRICAL SPECIMEN)
6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm^2
7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm^3
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
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ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MSL

±0.00 = +31.00(R.G.L.)MSL

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LEAN CONCRETE	T.O.W.	TOP OF WALL
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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
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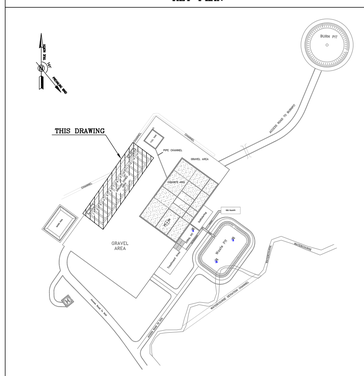
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

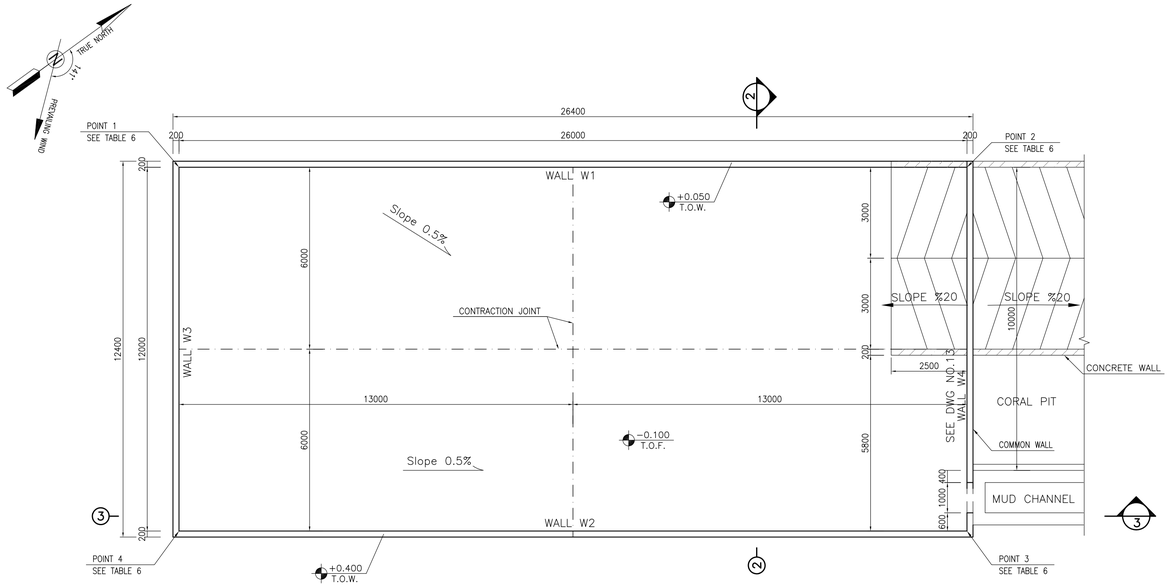
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
CONEX FOUNDATION PLAN AND SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

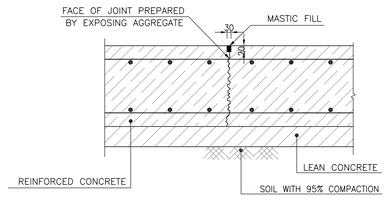
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	10 OF 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	10	D04

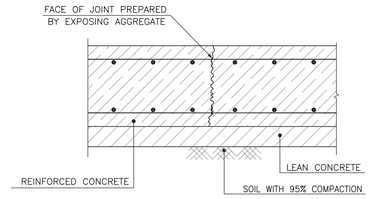


TREATMENT PAD PLAN — FORMWORK (1:100, 1)

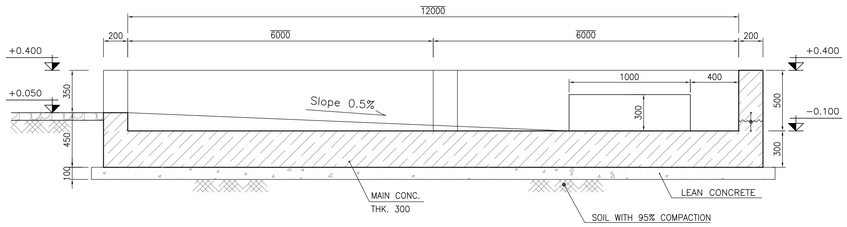
TABLE 6 (CORNERS COORDINATES)		
POINT 1	E=437119.433	N=3293051.402
POINT 2	E=437134.712	N=3293072.438
POINT 3	E=437144.421	N=3293065.386
POINT 4	E=437129.142	N=3293044.350



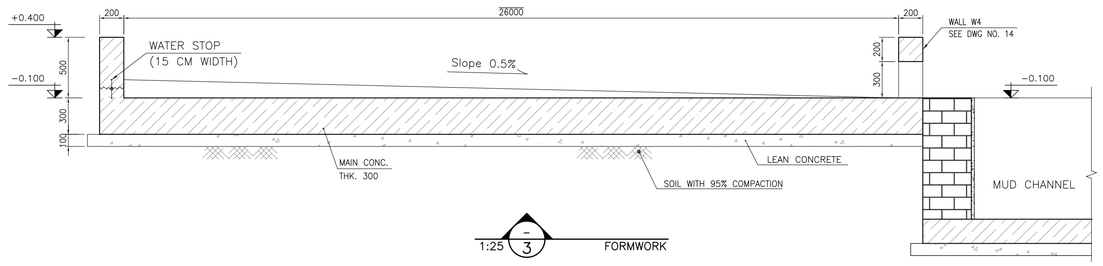
TYPICAL CONTRACTION JOINT EVERY 4000 (N.T.S., 8)



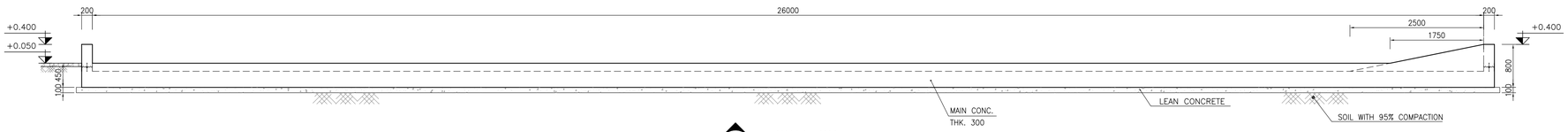
TYPICAL CONSTRUCTION JOINT (N.T.S., 9)



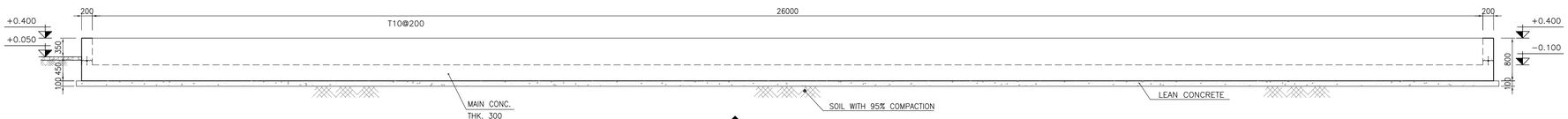
FORMWORK (1:25, 2)



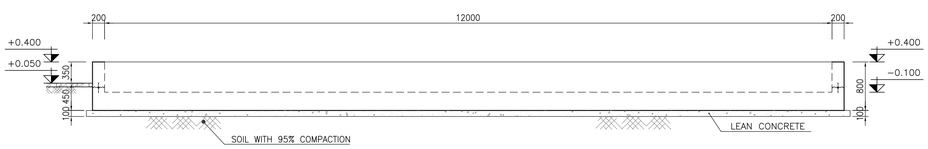
FORMWORK (1:25, 3)



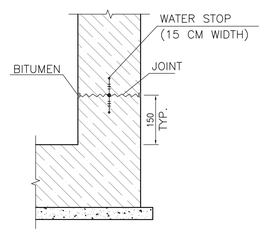
WALL W1 — FORMWORK (1:50, 4)



WALL W2 — FORMWORK (1:50, 5)



WALL W3 — FORMWORK (1:50, 6)



TYPICAL DETAIL OF WATER STOP (N.T.S., 7)

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:
DENSITY : 4.1-5.1 gr/cm^3
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
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MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

±0.00 = +31.00(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.
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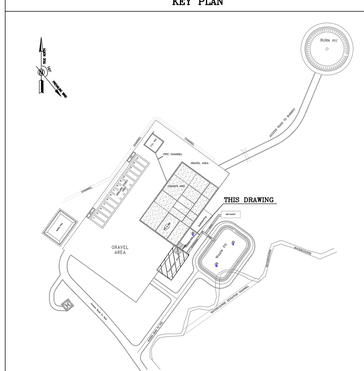
GENERAL CIVIL LAYOUT -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040

KEY PLAN



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D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY — DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S TREATMENT PAD FORMWORK - DETAIL & SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	11 OF 42	D04

أصل 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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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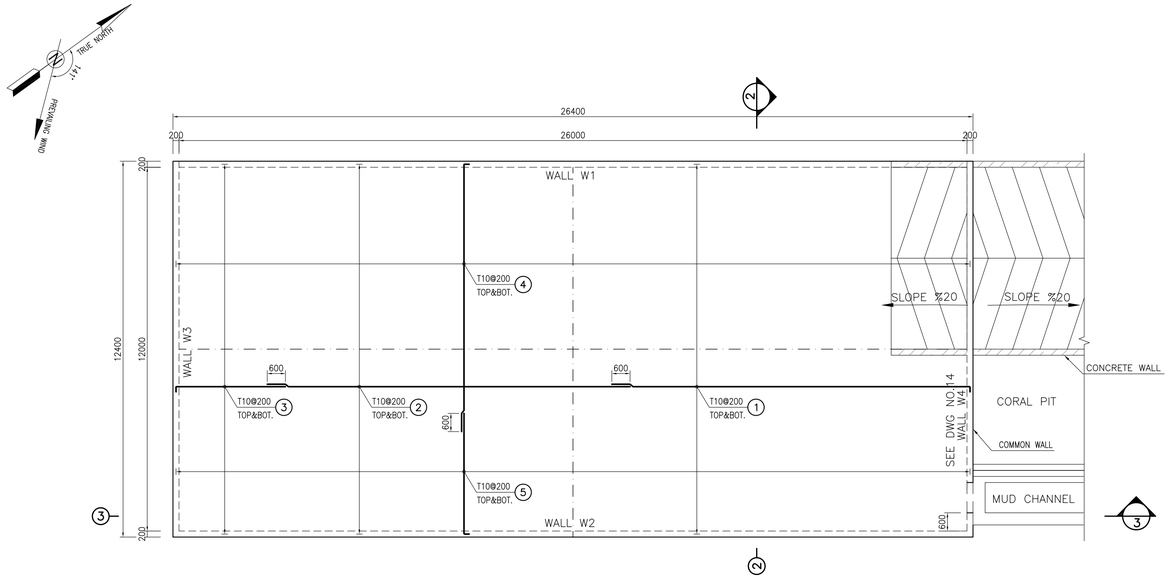

TREATMENT PAD PLAN
1:100 (1) REINFORCEMENT

BAR BENDING SCHEDULE – TREATMENT PAD					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	150 11850	12.00	128	1536.0
2	T10	12000	12.00	128	1536.0
3	T10	150 3600	3.75	128	480.0
4	T10	150 8850	9.00	247	2223.0
5	T10	150 4000	4.15	247	1025.05
6	T10	650 150	0.80	190	152.0
7	T10	300 150	0.45	120	54.0
TOTAL LENGTH OR AREA (m)					7006.05
UNIT WEIGTH (Kg/m)					0.617
WEIGTH (Kg)					4322.74
GRAND TOTAL (Kg)					4330

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LEGEND AND ABBREVIATION

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GRAVEL	T.O.PIT	TOP OF PIT
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SLOPE	R.G.L.	ROUGH GRADING LEVEL

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK–GNRAL–PEDCO–000–CV–SP–0003
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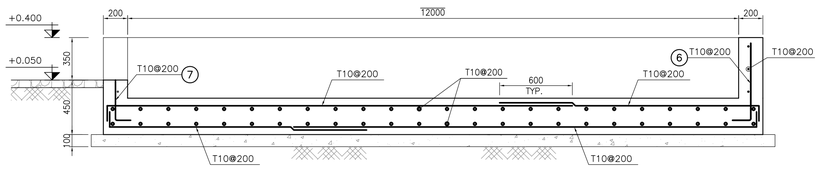
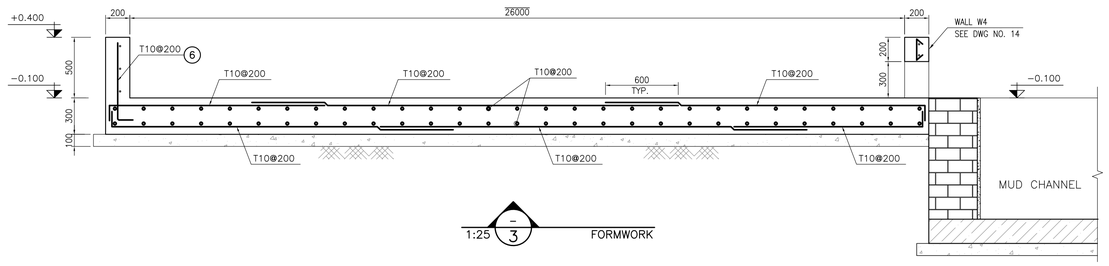
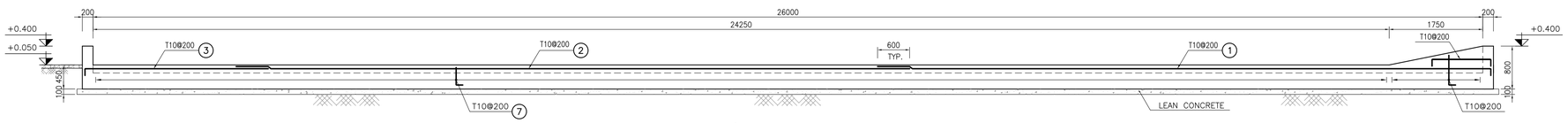
GENERAL NOTES – REINFORCED CONCRETE STRUCTURES	BK–GNRAL–PEDCO–000–ST–DW–0012
GENERAL CIVIL LAYOUT –W028	BK–W028–PEDCO–110–CV–PY–0001
ROUGH GRADING PLANS –W028	BK–W028–PEDCO–110–CV–DW–0001
STANDARD DRAWING FOR CULVERT & DETAILS	BK–GNRAL–PEDCO–000–CV–DW–0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK–GNRAL–PEDCO–000–CV–DW–0040



1:25 (2) REINFORCEMENT

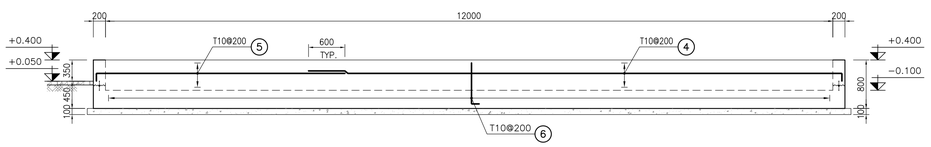


1:25 (3) FORMWORK



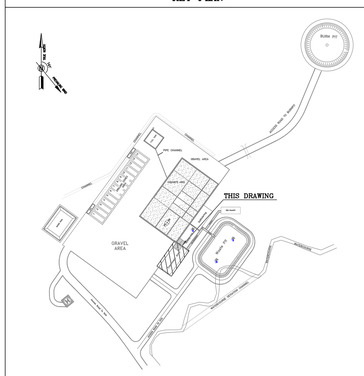
1:50 (4) WALL W1 REINFORCEMENT

1:50 (5) WALL W2 REINFORCEMENT



1:50 (6) WALL W3 REINFORCEMENT

KEY PLAN



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REV.	DESCRIPTION	BY	DATE	BY	DATE
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB–SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

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W028 WELLHEAD FACILITIES

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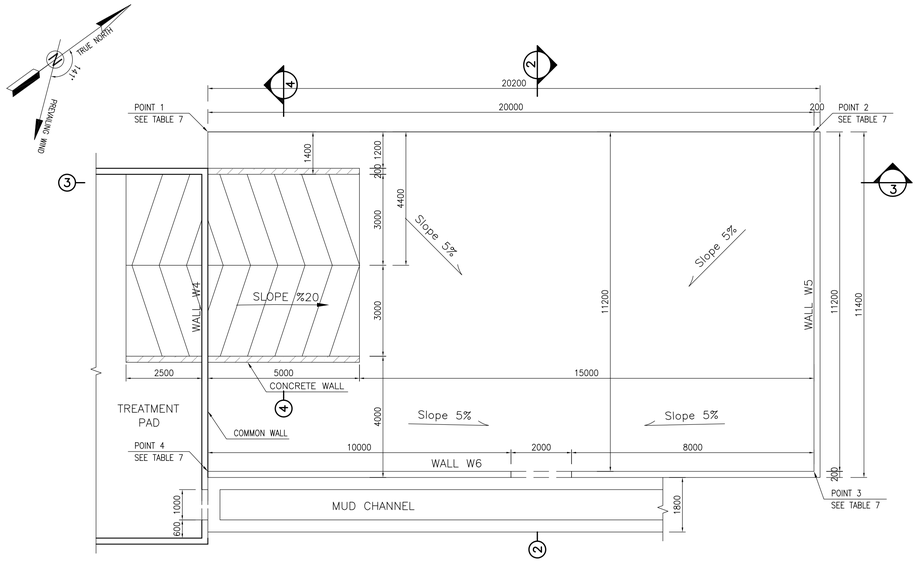
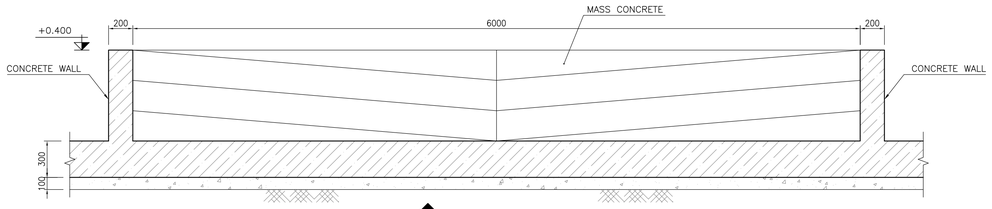
TREATMENT PAD REINFORCEMENT – DETAIL & SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK–W028–PEDCO–110–CV–PY–0002	12 OF 42	D04

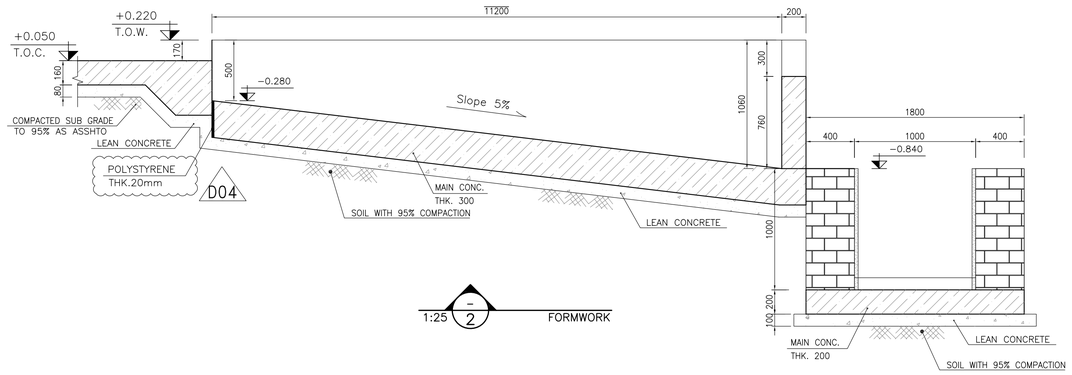
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	2	707548	12	D04



1:100 (1) CORAL PIT PLAN FORMWORK



1:25 (4) FORMWORK



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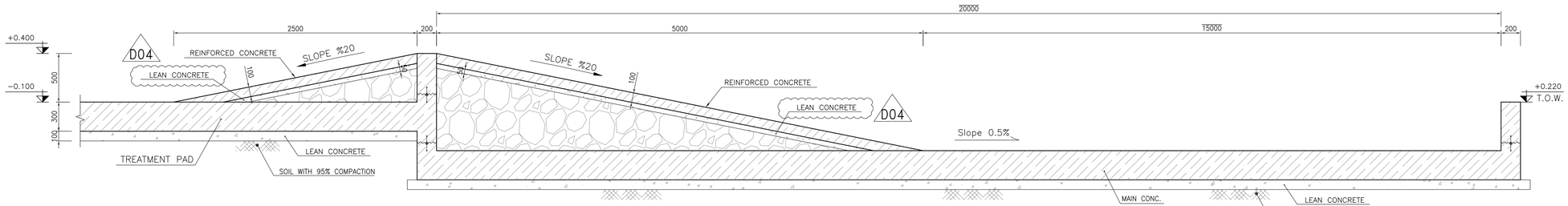

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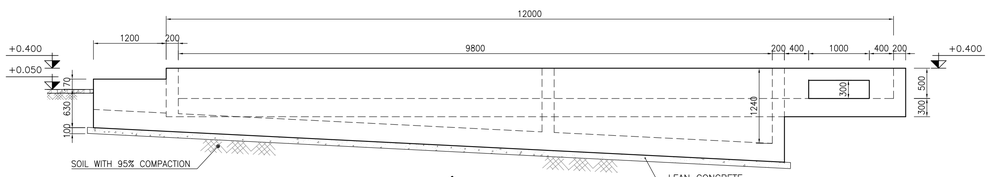
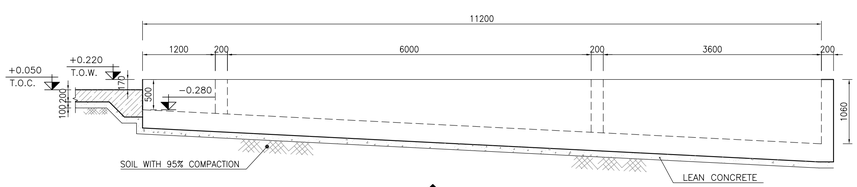
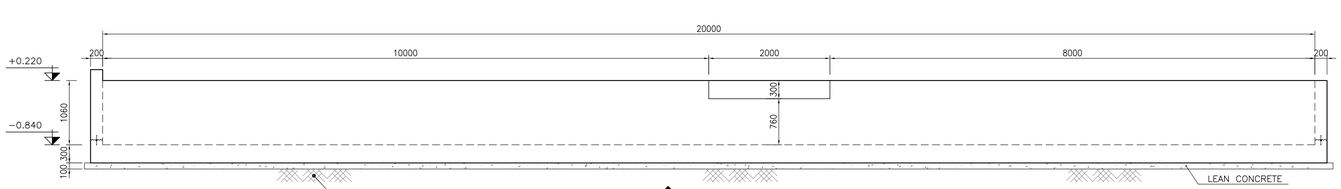


1:50 (5) WALL W4 FORMWORK



1:50 (6) WALL W5 FORMWORK



1:50 (7) WALL W6 FORMWORK

TABLE 7 (CORNERS COORDINATES)		
POINT 1	E=437133.697	N=3293073.423
POINT 2	E=437145.451	N=3293089.605
POINT 3	E=437154.513	N=3293083.023
POINT 4	E=437142.759	N=3293066.841

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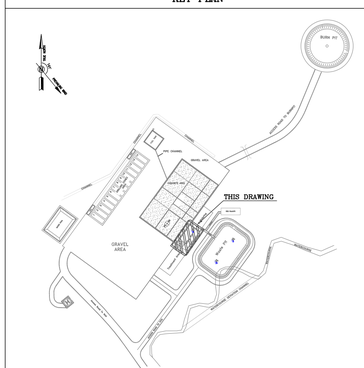
KEY PLAN



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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

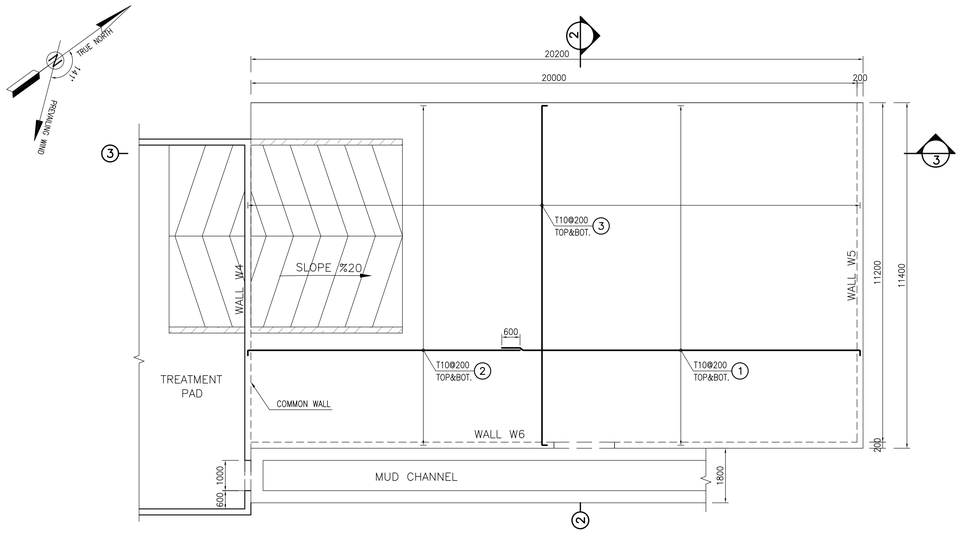
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
CORAL PIT FORMWORK - DETAIL & SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

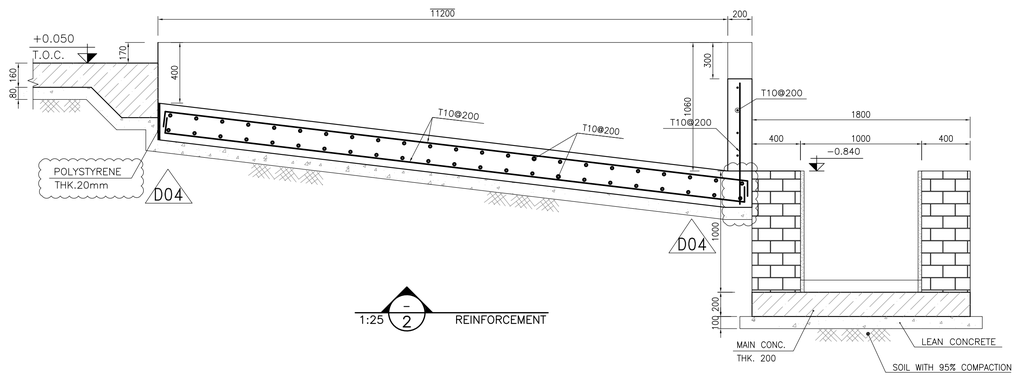
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	13 OF 42	D04

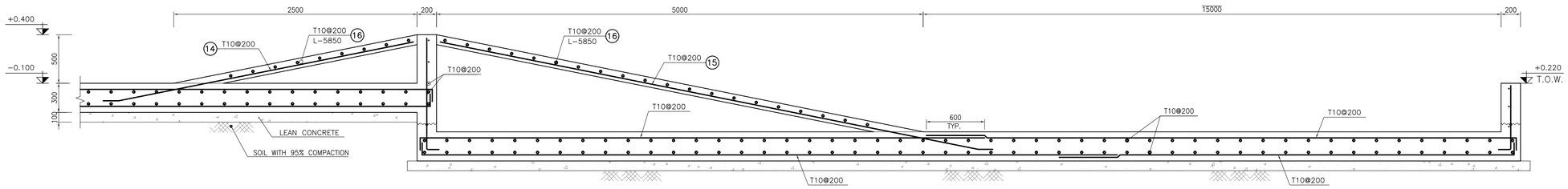
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	13	D04



CORAL PIT PLAN
1:100 1 FORMWORK



1:25 2 REINFORCEMENT



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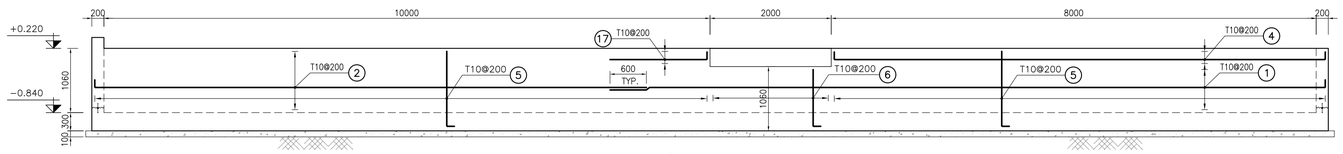
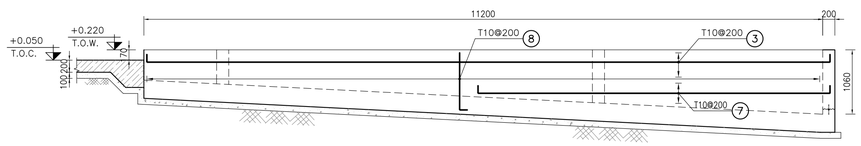
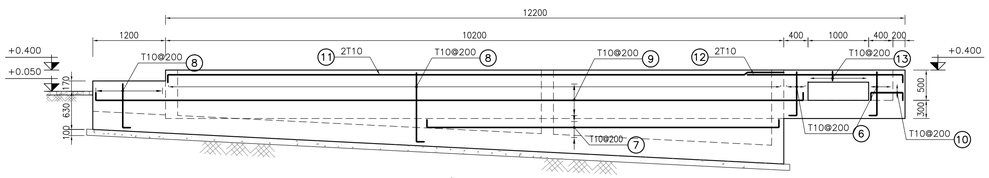


1:50 6 WALL W6 REINFORCEMENT



1:50 5 WALL W5 REINFORCEMENT



1:50 4 WALL W4 REINFORCEMENT

BAR BENDING SCHEDULE – CORAL PIT					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	150 11850	12.00	118	1416.0
2	T10	150 9000	9.15	120	1098.0
3	T10	150 1125 150	11.55	207	2390.85
4	T10	150 8050 150	8.35	2	16.70
5	T10	150 1200	1.35	92	124.20
6	T10	150 900	1.05	26	27.30
7	T10	150 4000–8500 150	VAR	6	39.30
8	T10	150 650–1350	VAR	114	131.10
9	T10	150 11700 150	12.00	3	36.00
10	T10	150 450 150	0.75	2	1.50
11	T10	150 10100	10.25	2	20.50
12	T10	150 255	2.70	2	5.40
13	T10	100 100 100	0.30	6	1.80
14	T10	200 5600	5.80	30	174.0
15	T10	200 3000	3.20	30	96.0
16	T10	150 5850 150	6.15	38	233.70
17	T10	150 1650	1.80	2	3.60
TOTAL LENGTH OR AREA (m)					5815.9
UNIT WEIGTH (Kg/m)					0.617
WEIGTH (Kg)					3588.5
GRAND TOTAL (Kg)					3590

NOTES

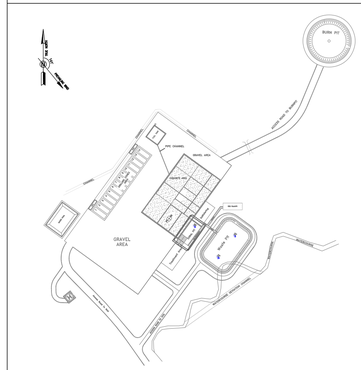
1– ALL COORDINATES ARE IN METER.
2– ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
3– ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
4–ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK–GNRL–PEDCO–000–ST–SP–0001",28 DAYS CHARACTERISTIC COMPRESSIVE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

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 –W028	BK–W028–PEDCO–110–CV–PY–0001
ROUGH GRADING PLANS –W028	BK–W028–PEDCO–110–CV–DW–0001
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.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB–SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS–W028S CORAL PIT REINFORCEMENT – DETAIL & SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK–W028–PEDCO–110–CV–PY–0002	14 OF 42	D04

أصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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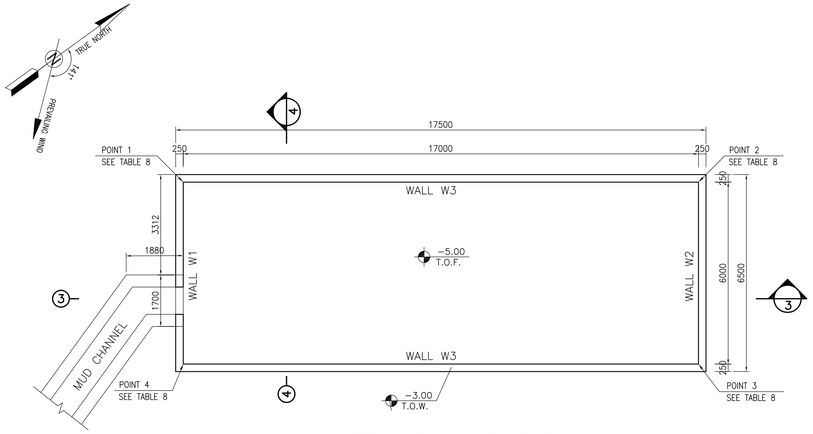
BINAK OILFIELD DEVELOPMENT
SUB–SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

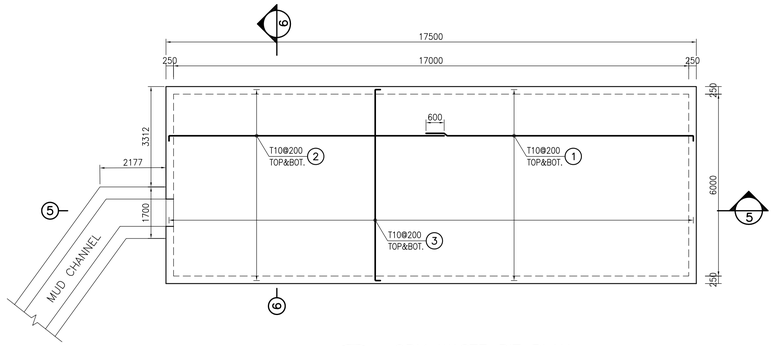
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	4	2	707548	14	D04



1:100 (1) OBM WASTE PIT PLAN
FORMWORK



1:100 (2) OBM WASTE PIT PLAN
REINFORCEMENT

TABLE 8 (CORNERS COORDINATES)		
POINT 1	E=437173.655	N=3293104.379
POINT 2	E=437190.655	N=3293104.379
POINT 3	E=437190.655	N=3293098.379
POINT 4	E=437173.655	N=3293098.379

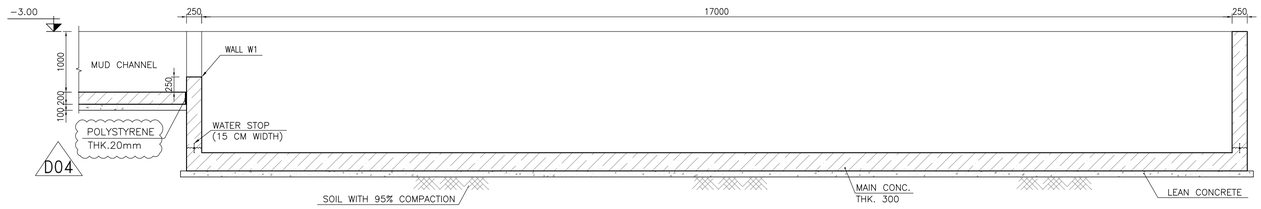
NOTES

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

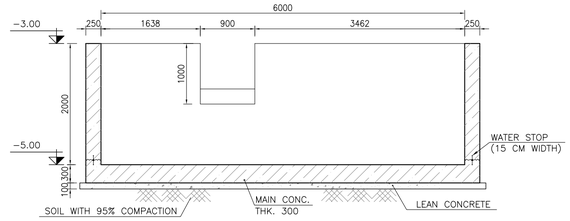
±0.00 = +31.00(R.G.L.)MSL

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

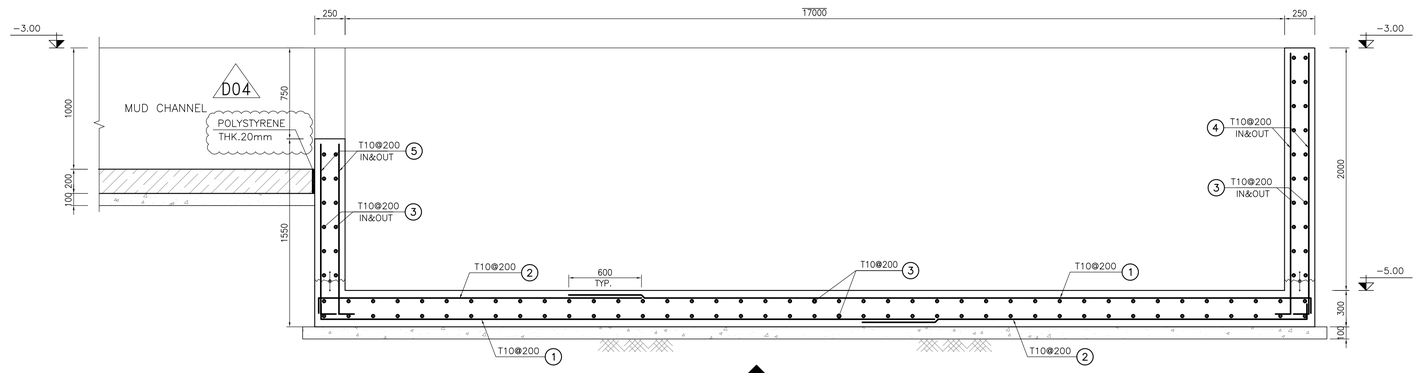


1:50 (3) FORMWORK



1:50 (4) FORMWORK

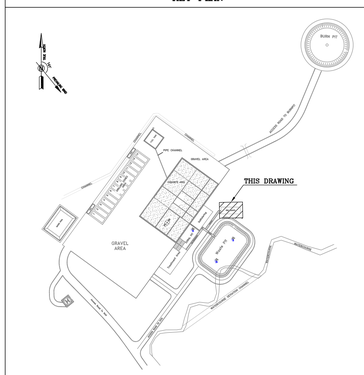
REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRAL-PEDCO-000-CV-SP-0003
GENERAL NOTES - STEEL STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040

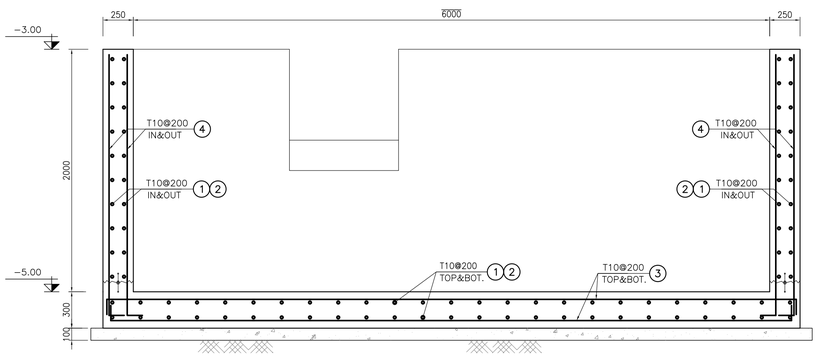


1:25 (5) REINFORCEMENT

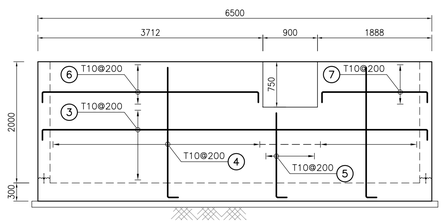
BAR BENDING SCHEDULE - OBM WASTE PIT					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	150 11850	12.00	104	1248.0
2	T10	150 6100	6.25	104	650.0
3	T10	150 6350 150	6.65	206	1369.9
4	T10	150 2150	2.30	224	515.2
5	T10	150 1400	1.55	10	15.5
6	T10	150 3600 150	3.90	8	31.20
7	T10	150 1750 150	2.05	8	16.40
TOTAL LENGTH OR AREA (m)					3846.2
UNIT WEIGTH (Kg/m)					0.617
WEIGTH (Kg)					2373.1
GRAND TOTAL (Kg)					2380

KEY PLAN





1:25 (6) REINFORCEMENT



1:50 (7) WALL W1
REINFORCEMENT

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

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

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

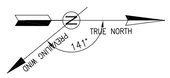
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
OBM WASTE PIT FORMWORK & REINFORCEMENT-SECTION

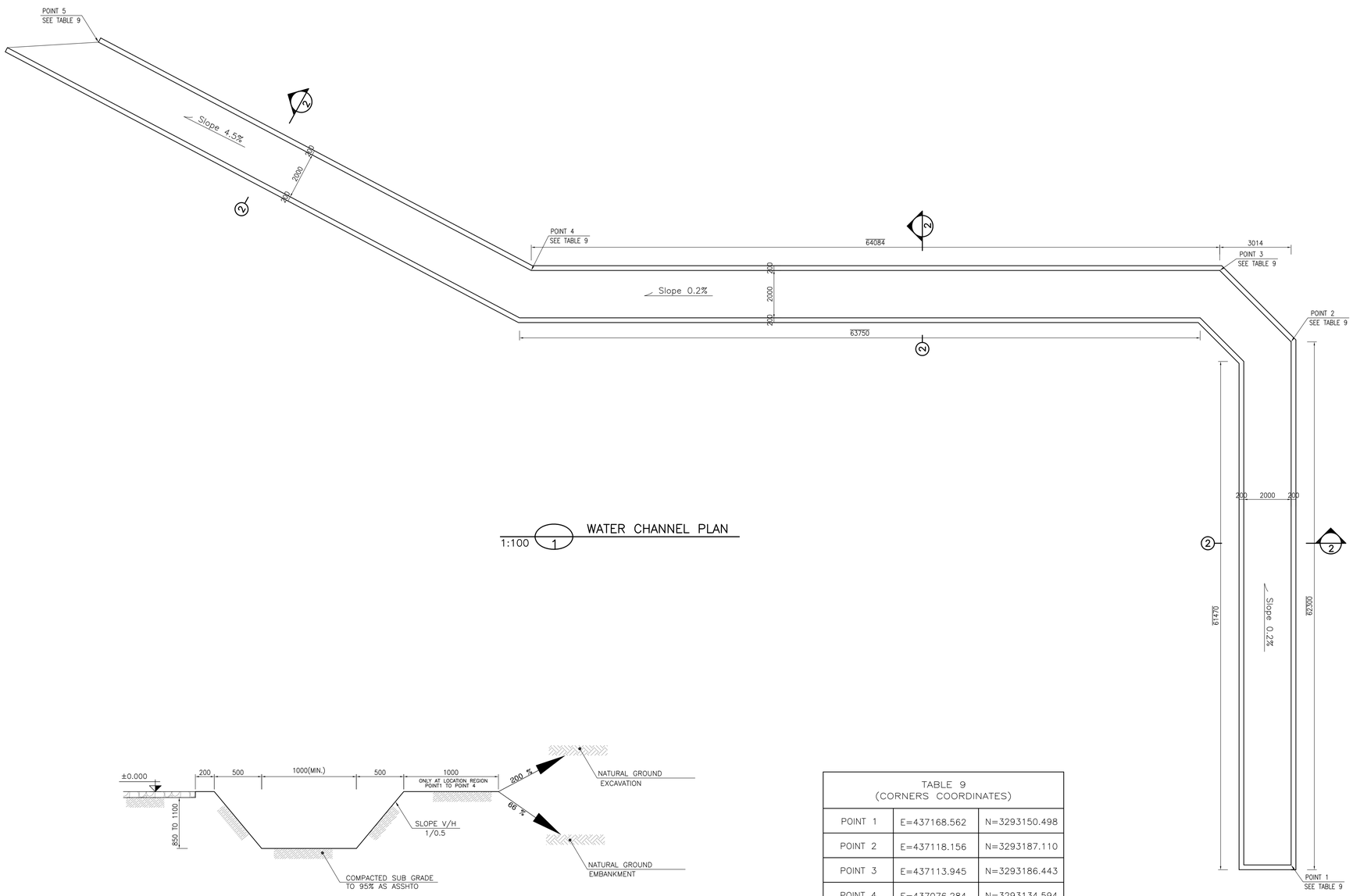
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	15 OF 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	15	D04





1:100 (1) WATER CHANNEL PLAN

1:25 (2) FORMWORK

TABLE 9 (CORNERS COORDINATES)		
POINT 1	E=437168.562	N=3293150.498
POINT 2	E=437118.156	N=3293187.110
POINT 3	E=437113.945	N=3293186.443
POINT 4	E=437076.284	N=3293134.594
POINT 5	E=437035.308	N=3293114.433

NOTES

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

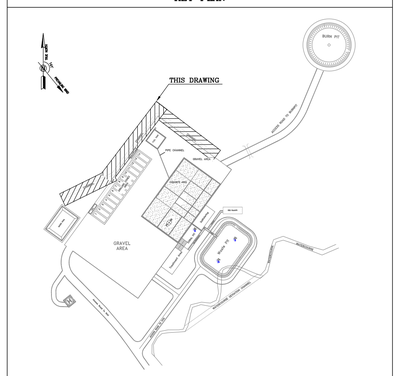
±0.00 = +31.00(R.G.L.)MSL

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 -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
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.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

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

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

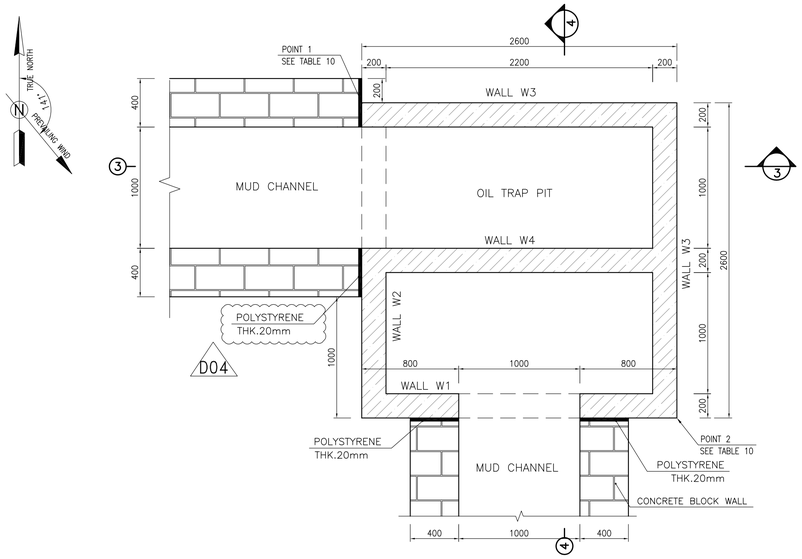
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
WATER CHANNEL FORMWORK PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

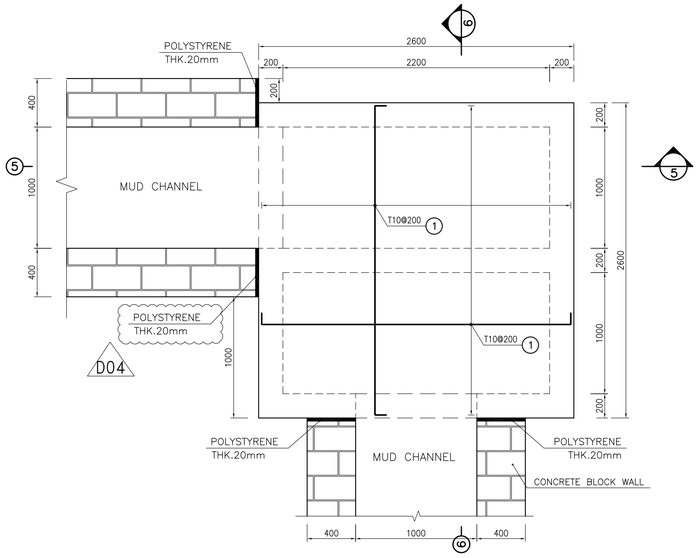
APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	16 OF 42	D04

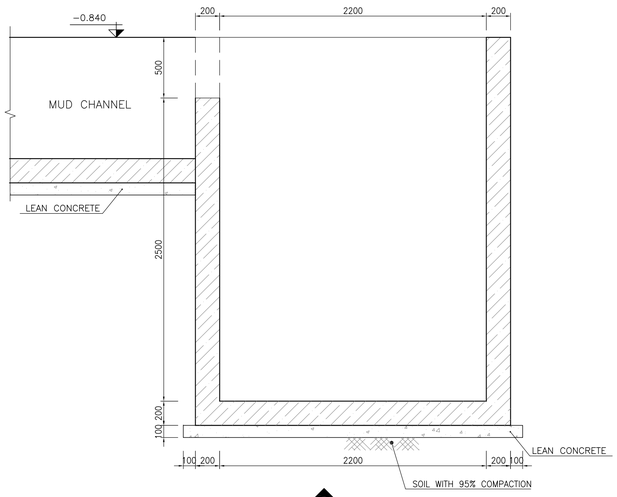
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	16	D04



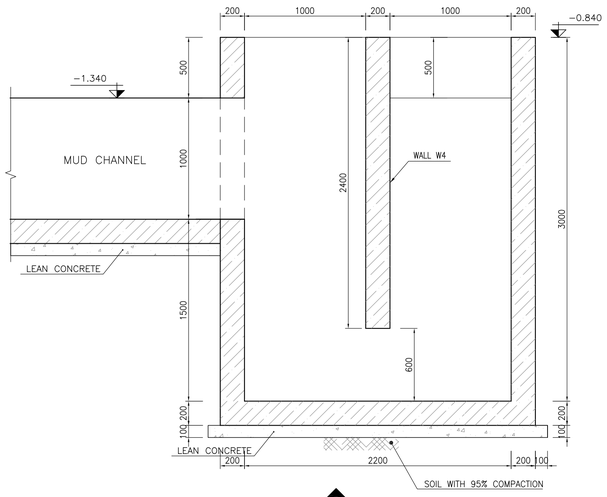
1:25 (1) OIL TRAP PIT PLAN FORMWORK



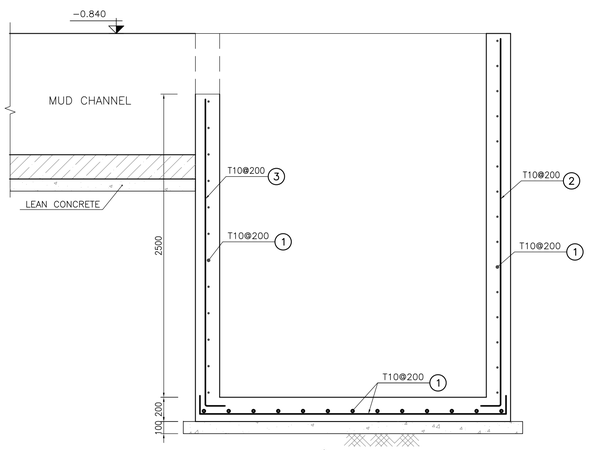
1:25 (2) OIL TRAP PIT PLAN REINFORCEMENT



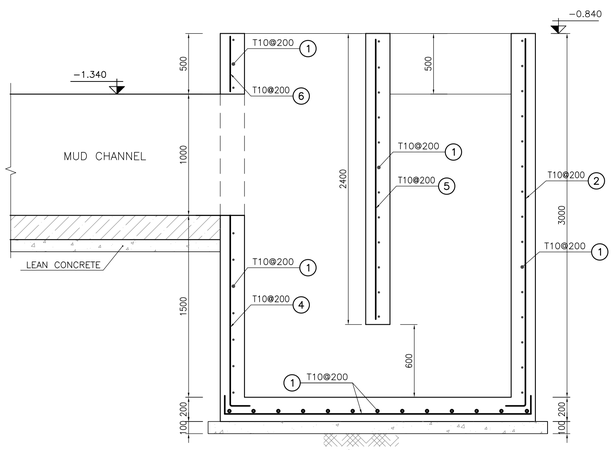
1:25 (3) FORMWORK



1:25 (4) FORMWORK



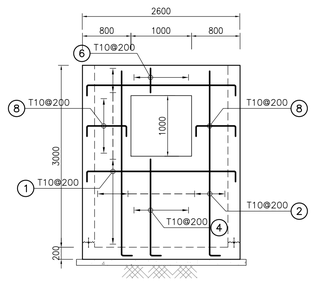
1:25 (5) REINFORCEMENT



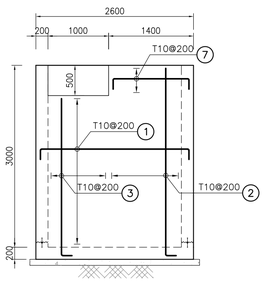
1:25 (6) REINFORCEMENT

TABLE 10 (CORNERS COORDINATES)		
POINT 1	E=437156.364	N=3293084.891
POINT 2	E=437159.996	N=3293085.467

BAR BENDING SCHEDULE – OIL TRAP PIT					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	150 2450 150	2.75	90	247.50
2	T10	150 3050	3.20	40	128.0
3	T10	150 2050	2.20	5	11.0
4	T10	150 1550	1.70	5	8.50
5	T10	2250	2.25	10	22.50
6	T10	350	0.35	5	1.75
7	T10	150 1250 150	1.55	3	4.65
8	T10	150 650 150	0.95	10	9.50
TOTAL LENGTH OR AREA (m/m2)					433.40
UNIT WEIGTH (Kg)					0.617
WEIGTH (Kg)					267.40
GRAND TOTAL (Kg)					270



1:50 (7) WALL W1 REINFORCEMENT



1:50 (8) WALL W2 REINFORCEMENT

NOTES

1- ALL COORDINATES ARE IN METER.
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7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
9-JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
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 = +31.00(R.G.L.)MSL

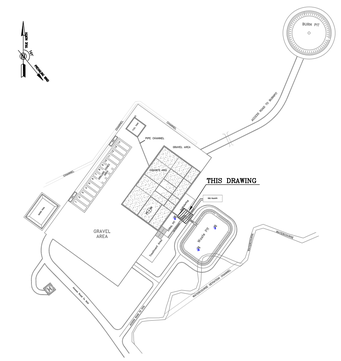
LEGEND AND ABBREVIATION

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 -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
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



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D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
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D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 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
W028 WELLHEAD FACILITIES

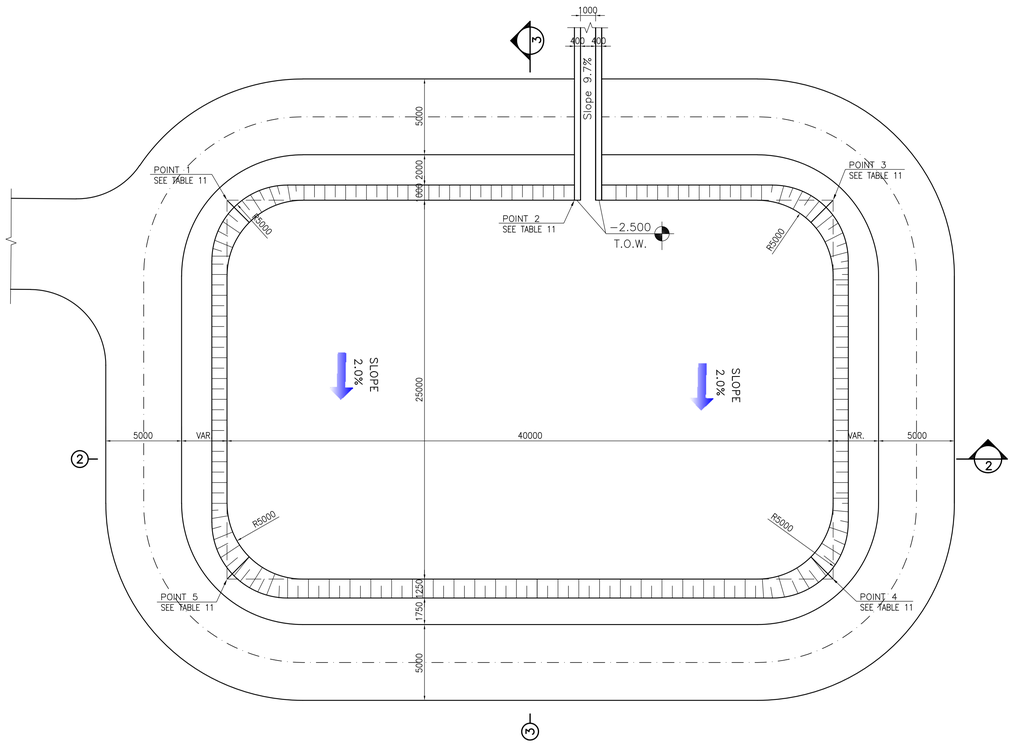
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
OIL TRAP PIT FORMWORK & REINFORCEMENT PLAN-SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

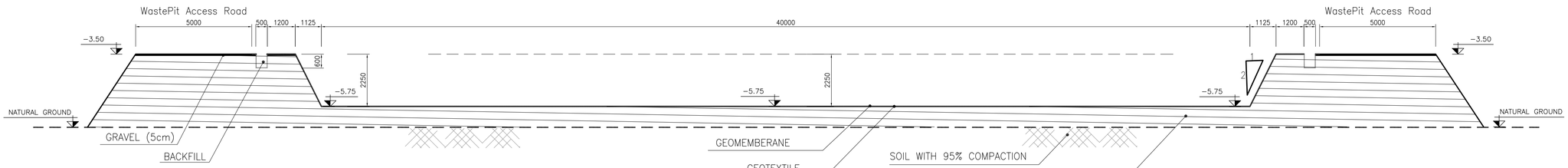
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	17 OF 42	D04	053-073-9184	F	4	2	707548	17	D04



WASTE PIT PLAN

1:200 (1)

TABLE 11 (CORNERS COORDINATES)		
POINT 1	E=437154.586	N=3293058.342
POINT 2	E=437168.059	N=3293076.891
POINT 3	E=437178.093	N=3293090.706
POINT 4	E=437198.321	N=3293076.014
POINT 5	E=437174.813	N=3293043.650



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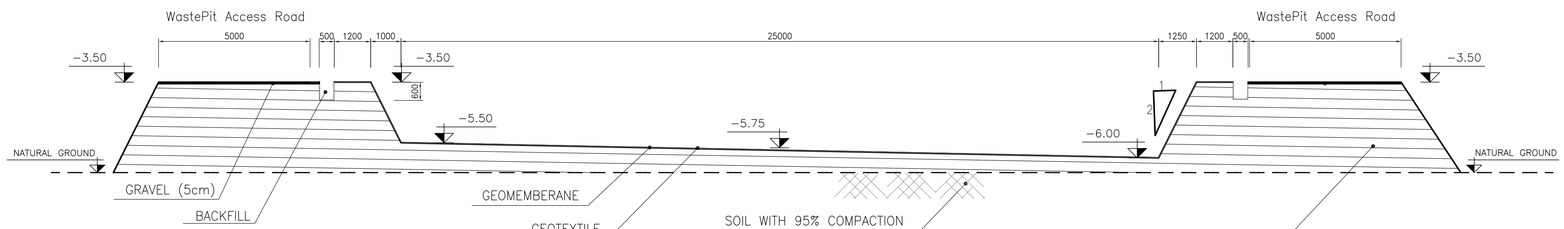

1:100 (3)

NOTES

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BASED ON No.3758 NATIONAL STANDARD CODE:
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THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

±0.00 = +31.00(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
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GENERAL CIVIL LAYOUT -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
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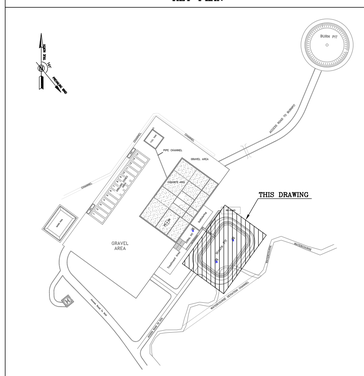
KEY PLAN



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REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

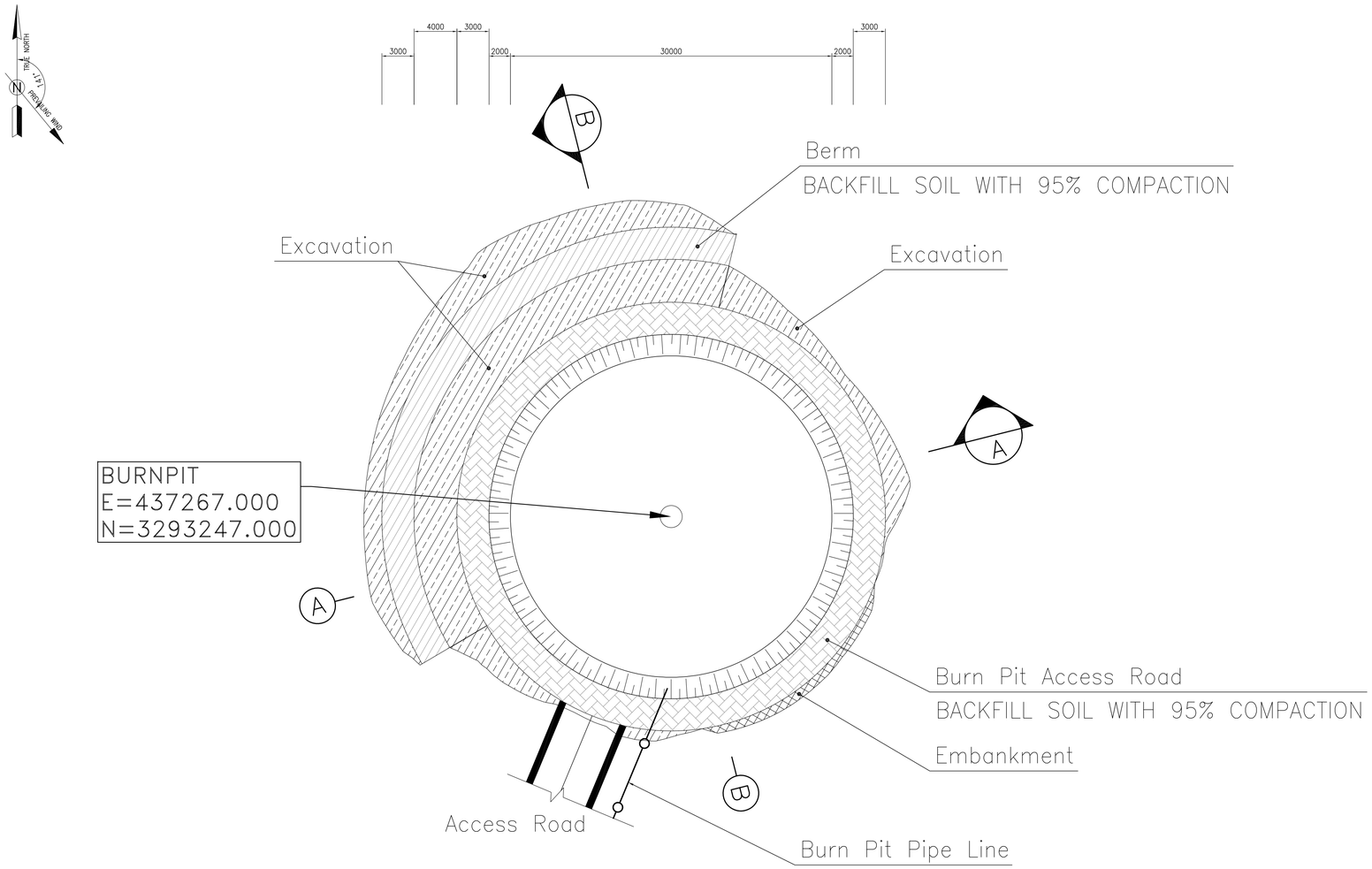
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
WASTE PIT PLAN-SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

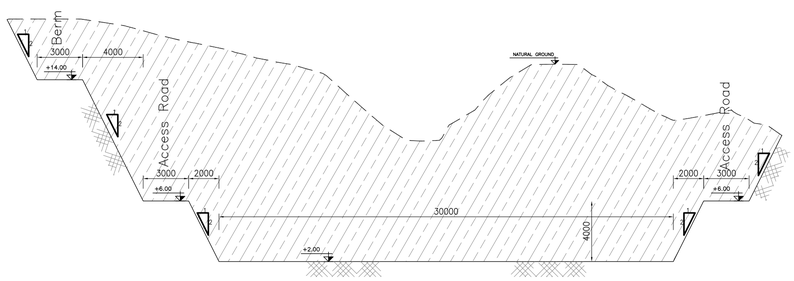
APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	18 OF 42	D04

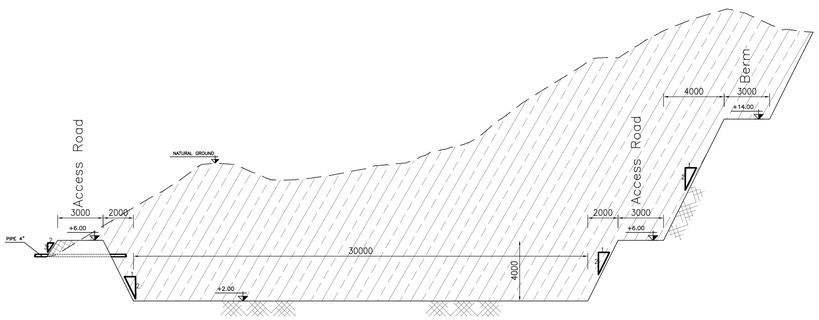
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	18	D04



1:250 (1) BURN PIT PLAN



1:200 (A) BURN PIT SECTION



1:200 (B) BURN PIT SECTION

NOTES

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SLOPE	R.G.L.	ROUGH GRADING LEVEL
Excavation		
Embankment		

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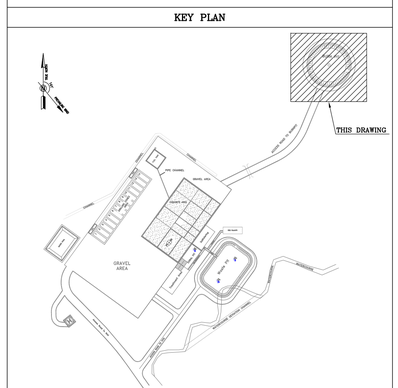
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRAL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT -W028	BK-W028-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS -W028	BK-W028-PEDCO-110-CV-DW-0001
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRAL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRAL-PEDCO-000-CV-DW-0040

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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 W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

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

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

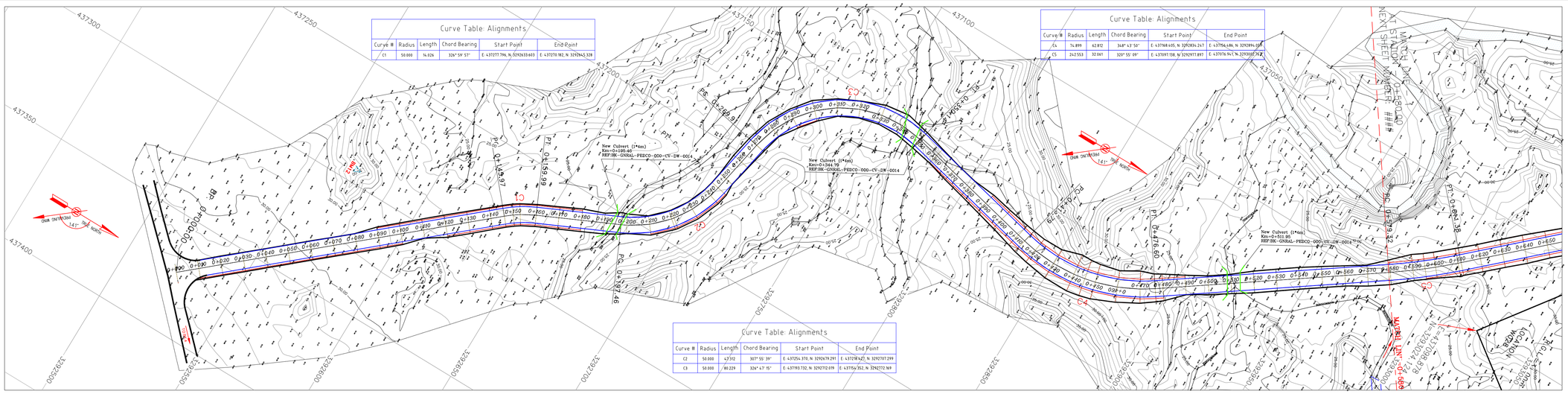
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
BURN PIT PLAN-SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	19 of 42	D04

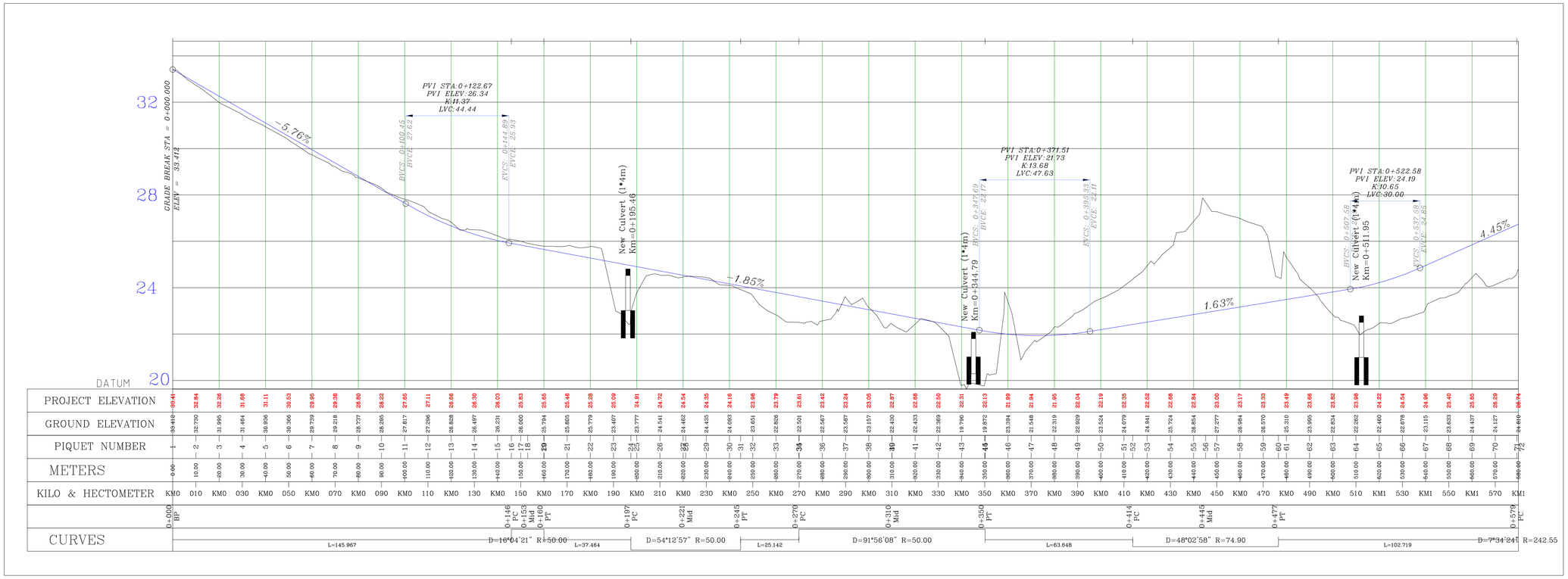
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	19	D04



MAIN ACCESS ROAD PLAN

H: 1/1000
V: 1/100

1



MAIN ACCESS ROAD PROFILE

H: 1/1000
V: 1/100

2

BENCH MARK LIST

NAME	Easting(m)	Northing(m)	Elevation(m)
BM12	437294.141	3292567.901	35.395
BM14	437204.521	3292998.852	38.676

Station	Northing	Easting
0+000.00	3292523.50	437373.63
0+100.00	3292598.93	437307.98
0+200.00	3292681.57	437253.24
0+300.00	3292725.96	437167.58
0+400.00	3292820.80	437165.36
0+500.00	3292913.16	437142.97

PI Station	Northing	Easting
0+000.00	3292523.50	437373.63
0+153.03	3292638.93	437273.16
0+223.05	3292702.49	437243.57
0+321.63	3292721.73	437142.93
0+447.17	3292866.81	437175.78

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

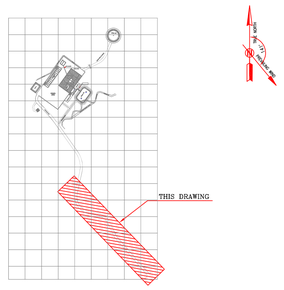
WELL LOCATION
WELL
SITE
CAMP SITE
ASPHALT ROAD
GRAVEL ROAD
PROPOSED ROAD
DAYLIGHT
CANAL
RIVER
WATER COURSE
CONTOURS (60, 50)
SPOT HEIGHT (99.27)
BENCH MARK
BRIDGE
CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002
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.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	** **

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD PLAN AND PROFILE SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	20 of 42	D04	053-073-9184	F	4	2	707548	20	D04

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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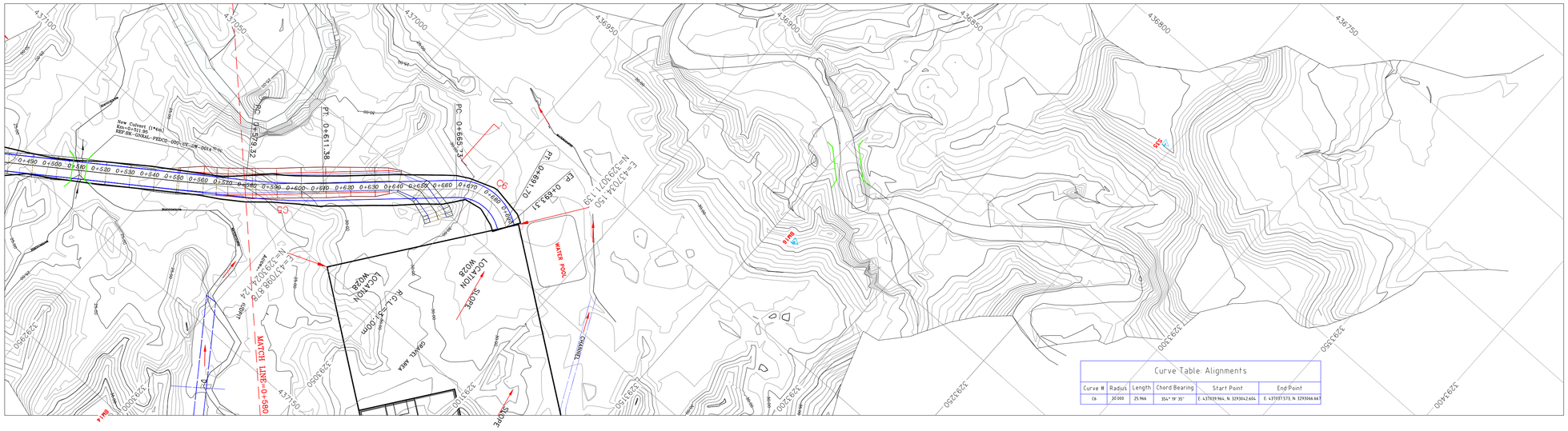
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



MAIN ACCESS ROAD PLAN

H: 1/1000
V: 1/100

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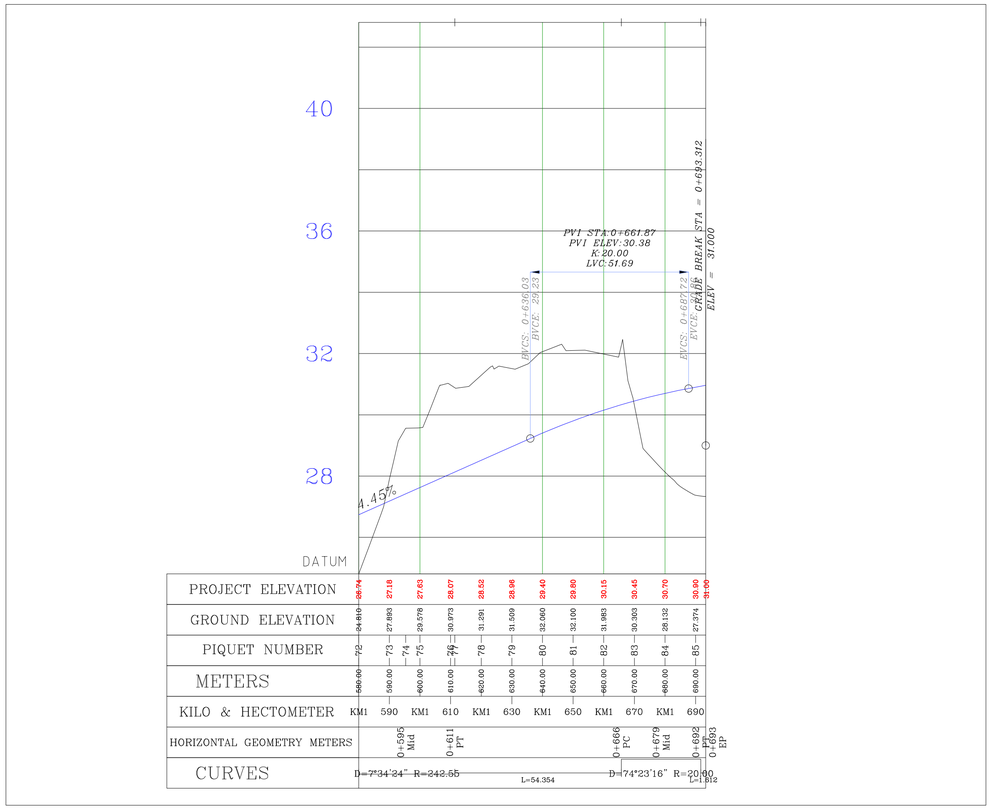

MAIN ACCESS ROAD PROFILE

H: 1/1000
V: 1/100

2

PI Station	Northing	Easting
0+595.37	3292991.00	437087.86
0+680.91	3293053.73	437029.64
0+693.31	3293068.04	437038.42

Station	Northing	Easting
0+600.00	3292994.25	437084.48
0+693.31	3293068.04	437038.41

BENCH MARK LIST

NAME	Easting(m)	Northing(m)	Elevation(m)
BM16	436964.749	3293160.118	37.566
S35	436834.486	3293246.697	45.665

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAL-PEDCO-000-CV-SP-0004".
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5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP 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 -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002
Specification For Road & Paving	BK-GNRAL-PEDCO-000-CV-SP-0002

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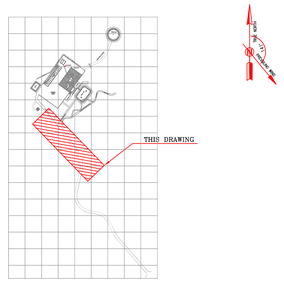
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	** **

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD PLAN AND PROFILE SECTION

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	21 of 42	D04	053-073-9184	F	4	2	707548	21	D04

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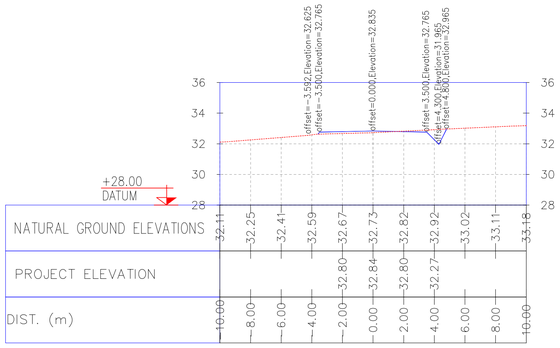

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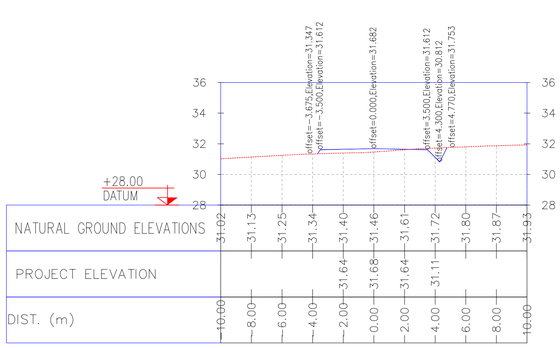

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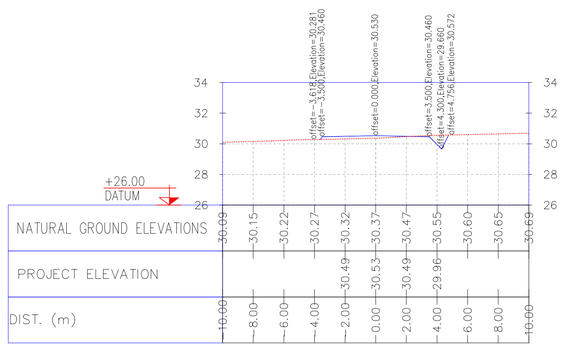

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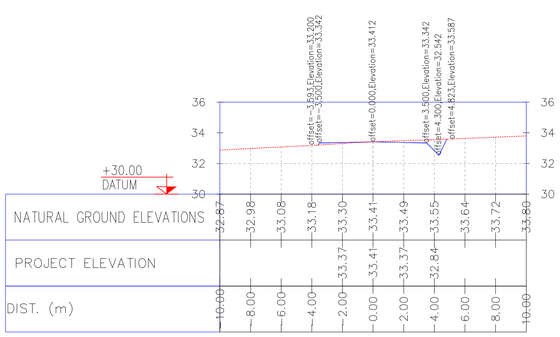

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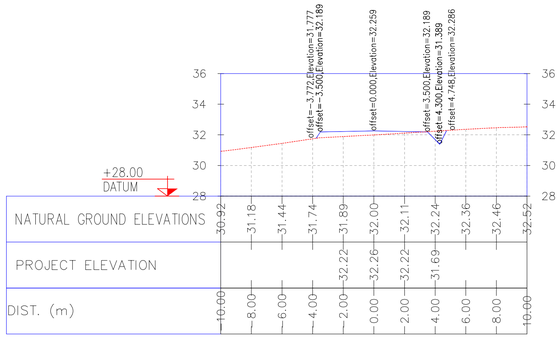

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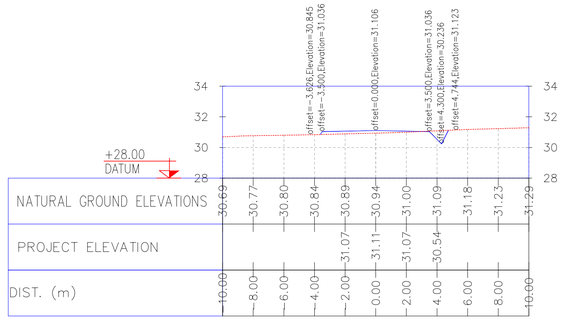

NOTES

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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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 10 ~50M

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	22 of 42	D04

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	22	D04

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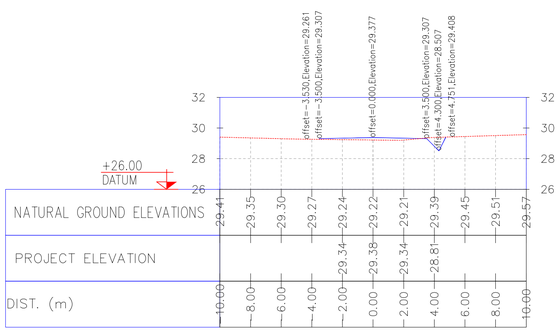

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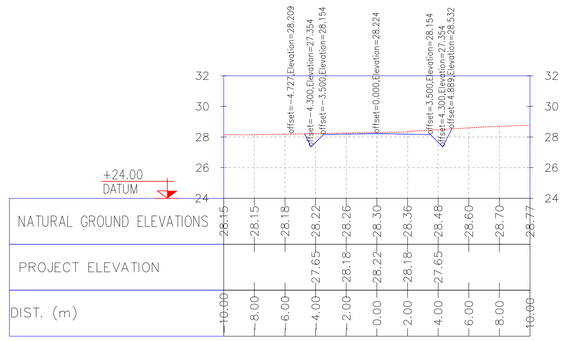

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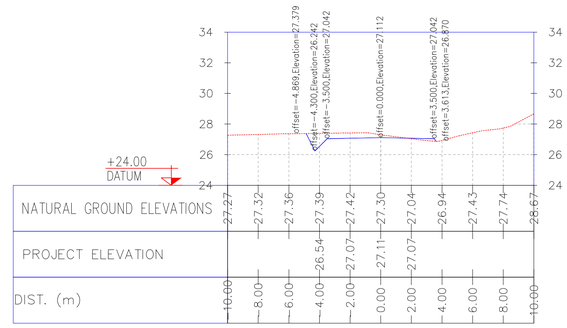

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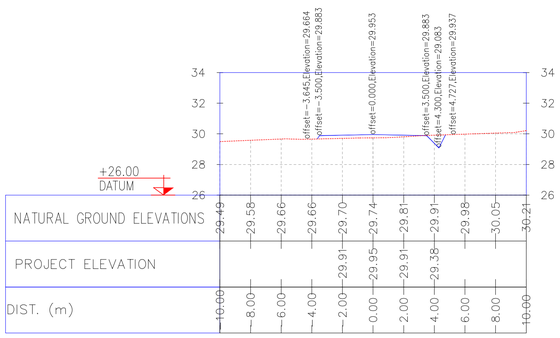

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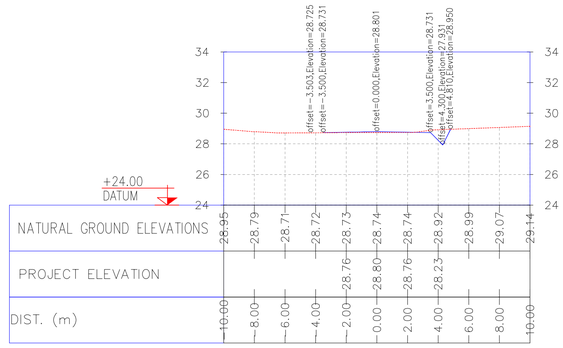

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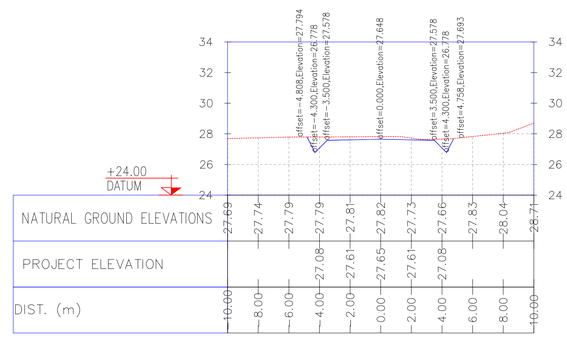

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 70 ~110M

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	23 of 42	D04	053-073-9184	F	4	2	707548	23	D04

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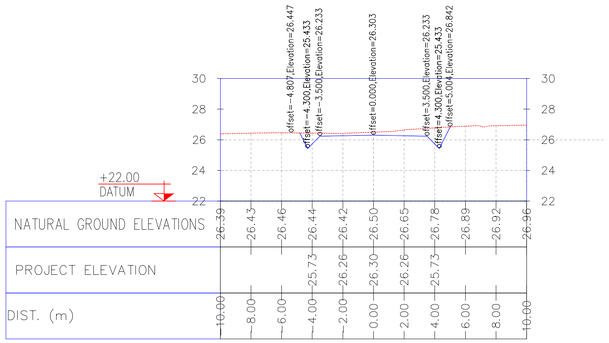

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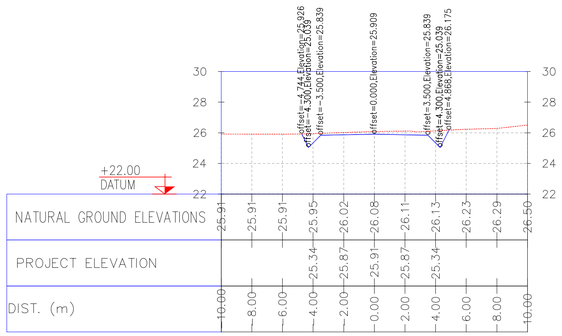

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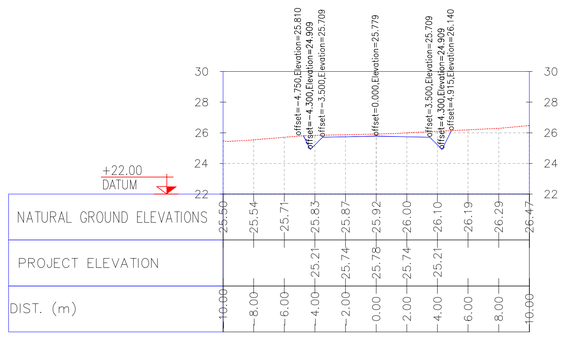

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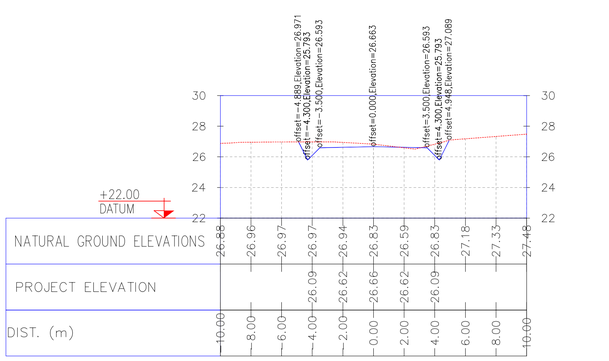

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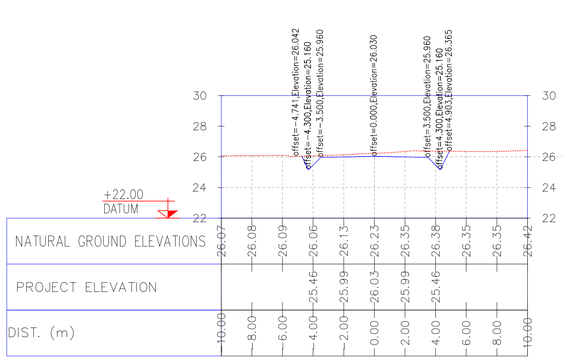

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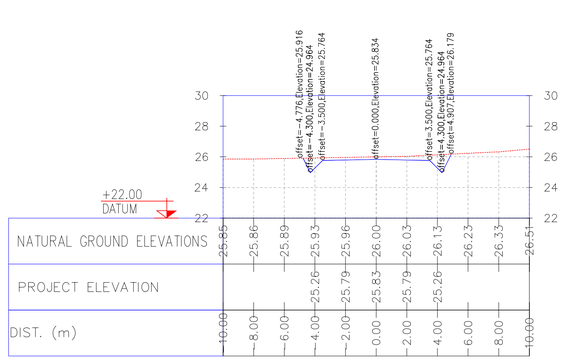

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	** **

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 130 ~152.98M

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	24 of 42	D04	053-073-9184	F	4	2	707548	24	D04

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

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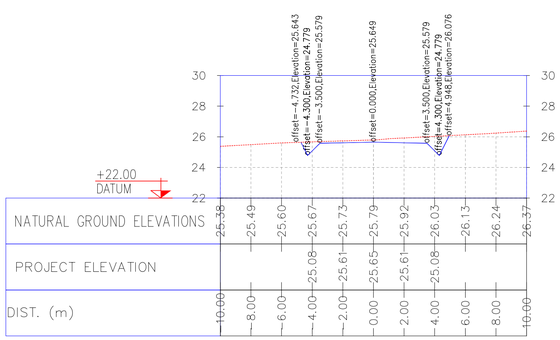

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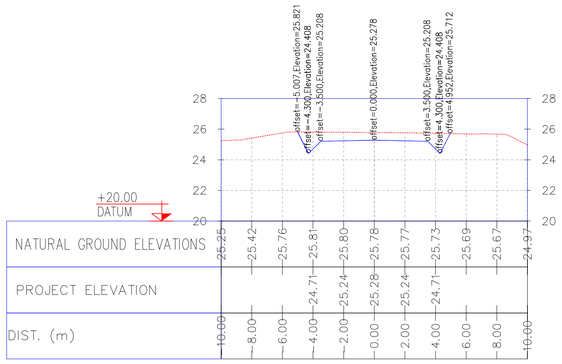

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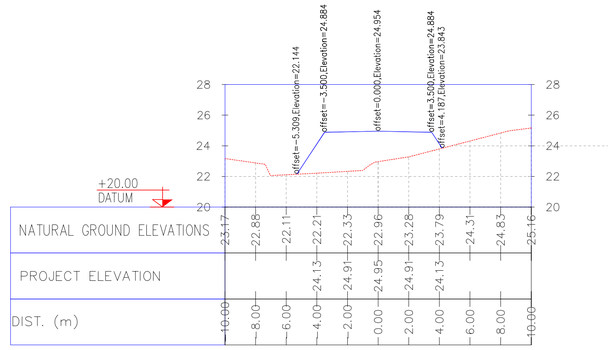

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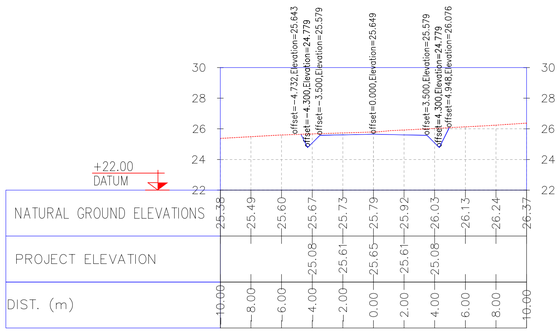

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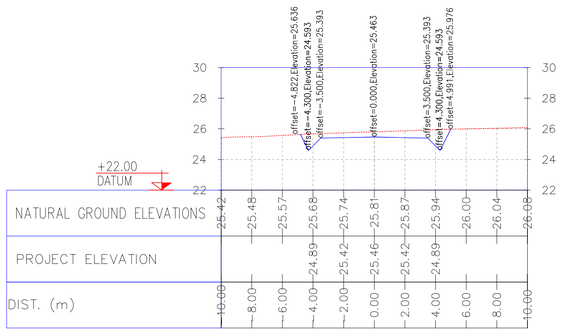

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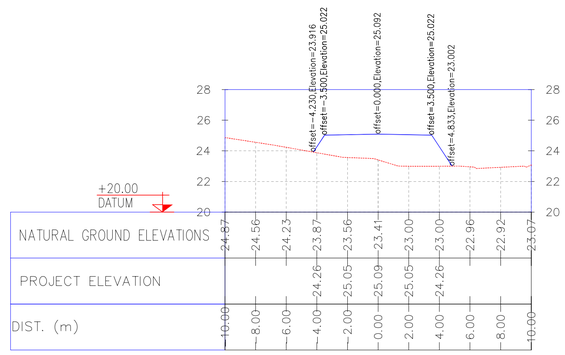

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 160 ~197.46M

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	25 of 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	25	D04

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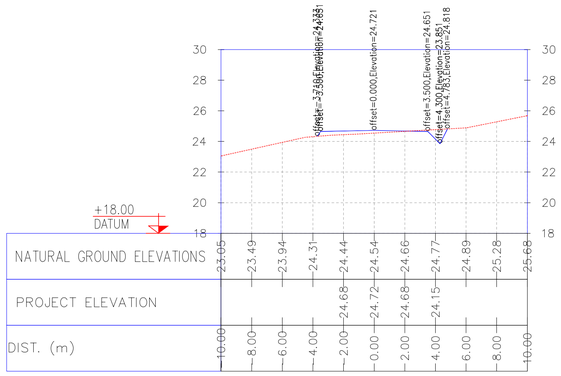

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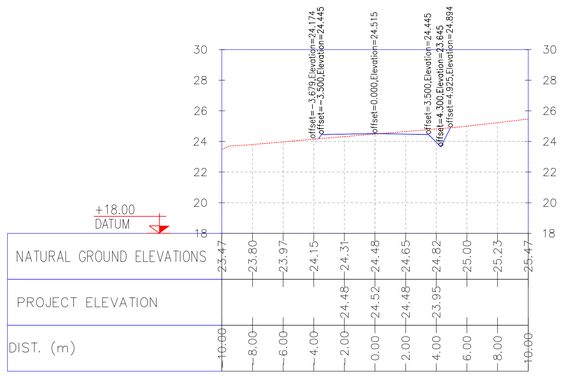

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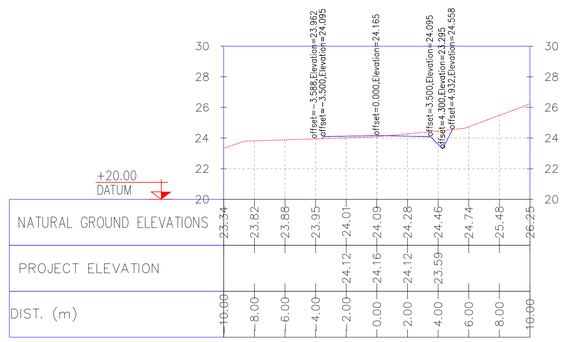

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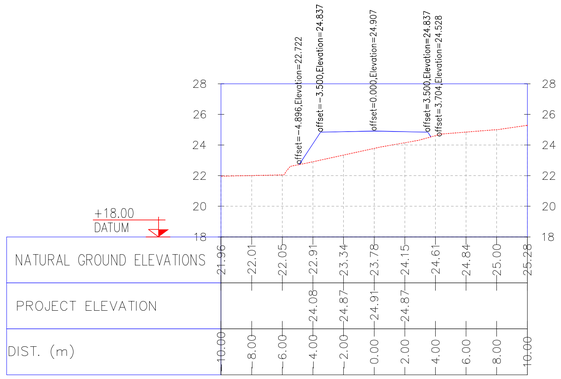

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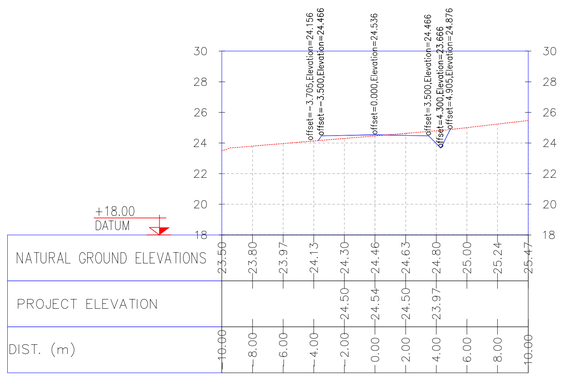

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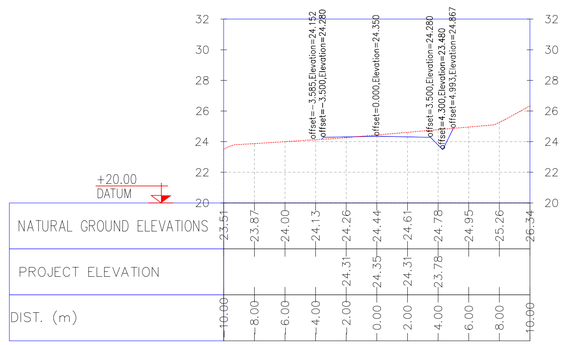

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	** **

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 210~240M

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	26 of 42	D04	053-073-9184	F	4	2	707548	26	D04

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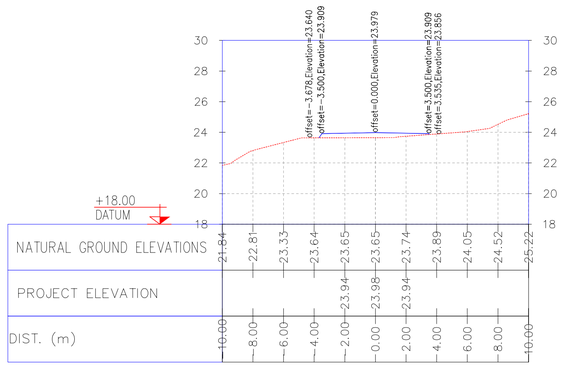

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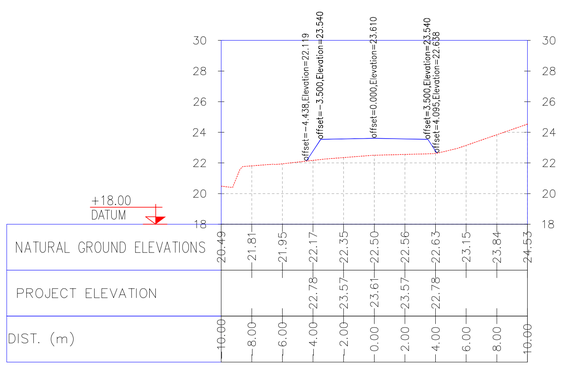

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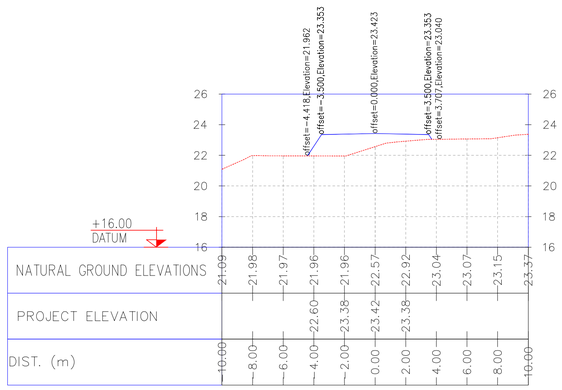

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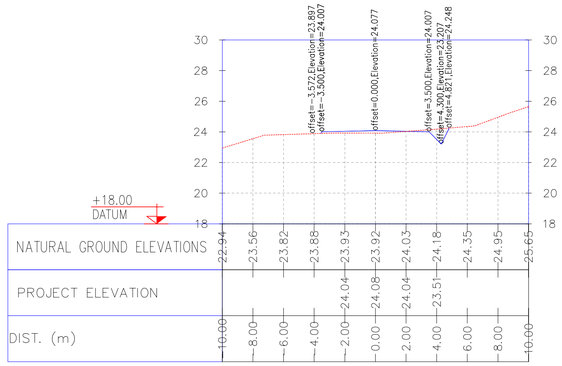

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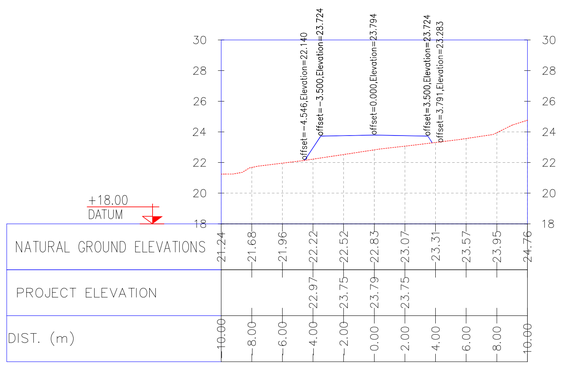

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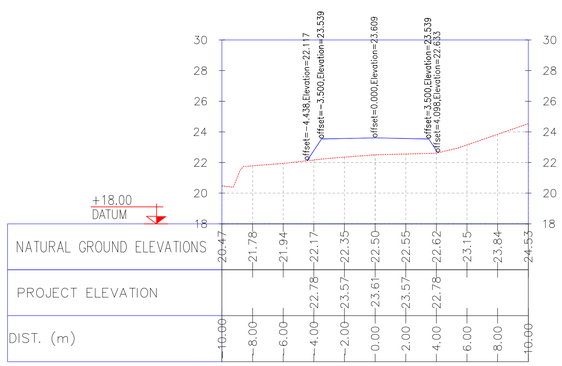

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 250~280M

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	27 of 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	27	D04

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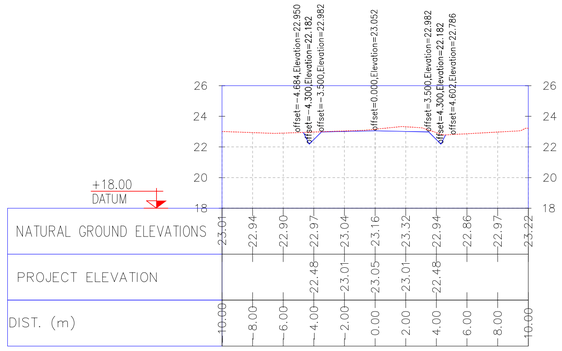

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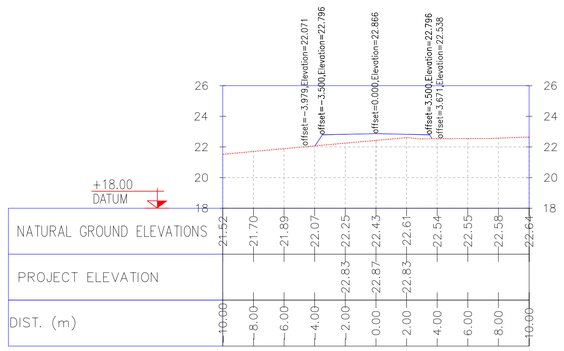

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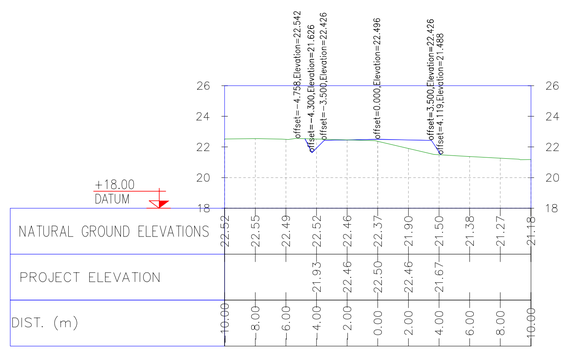

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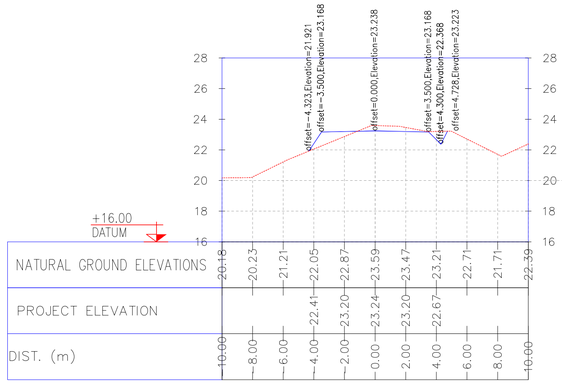

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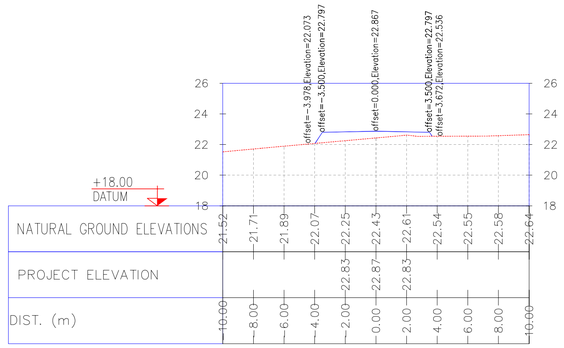

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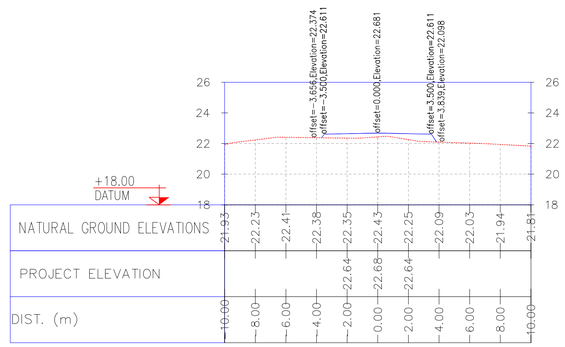

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 300~320M

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	28 of 42	D04

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
W028 WELLHEAD FACILITIES

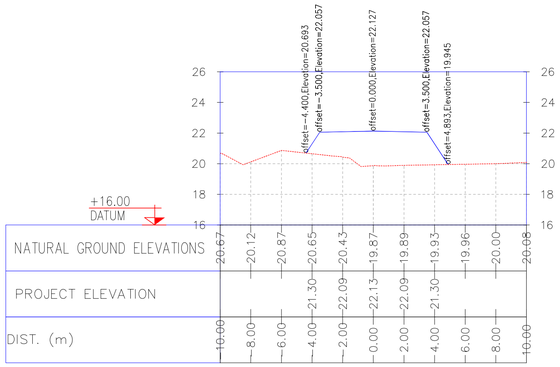
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	28	D04

0+350.00



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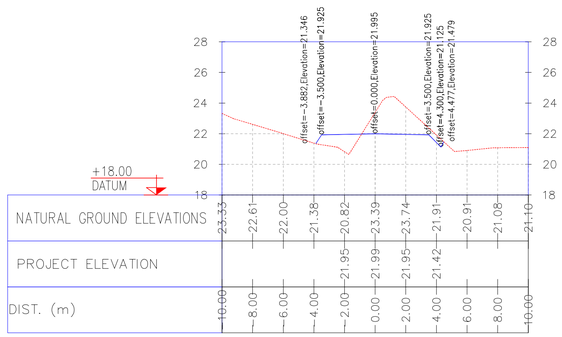

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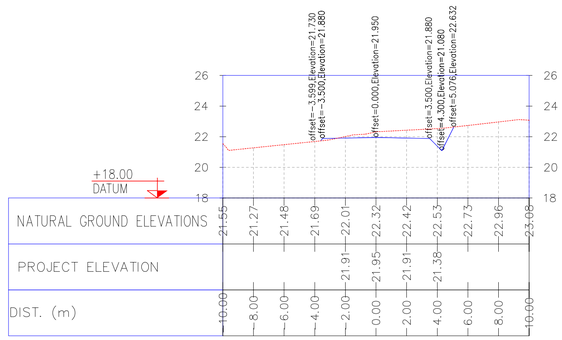

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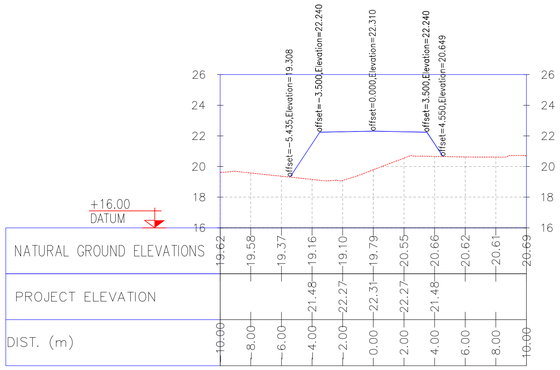

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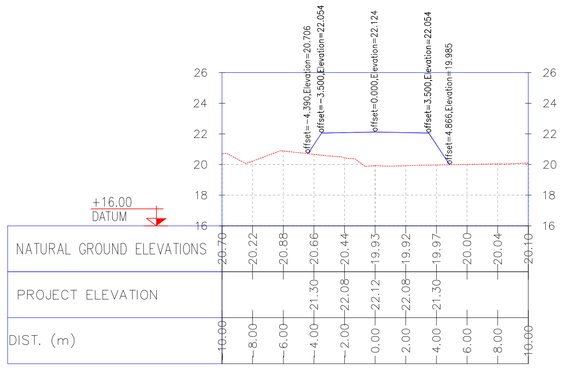

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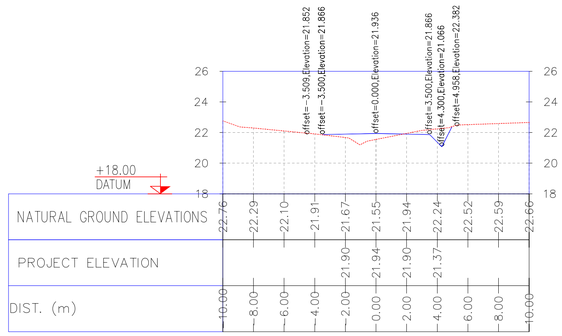

NOTES

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 350~380M

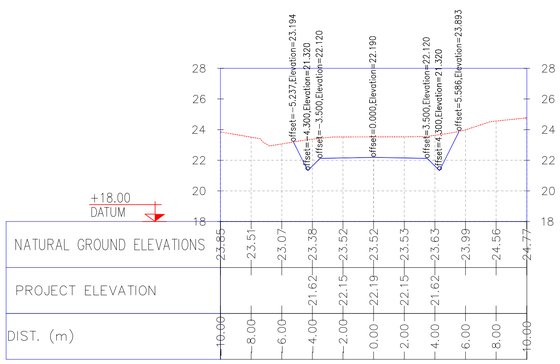
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	29 of 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	29	D04

0+400.00



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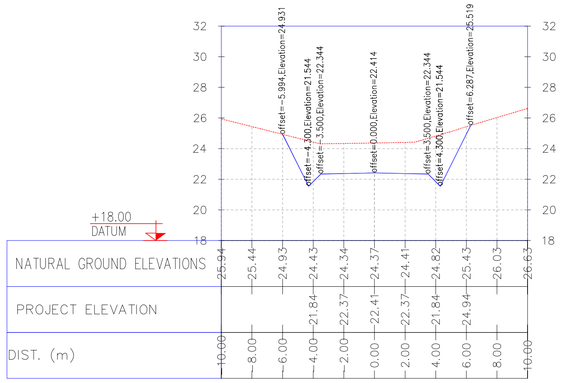

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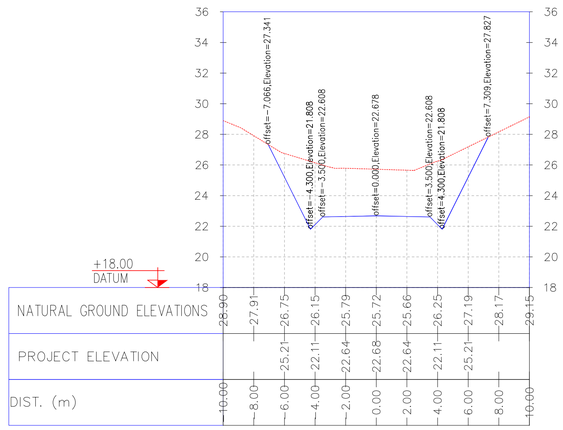

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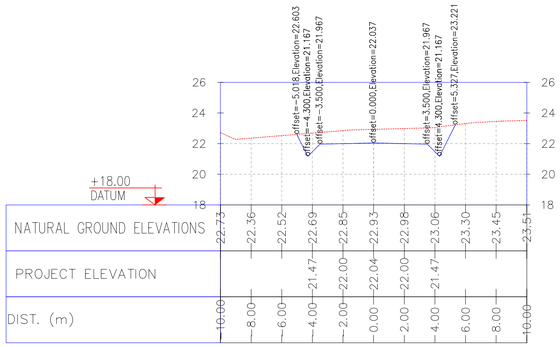

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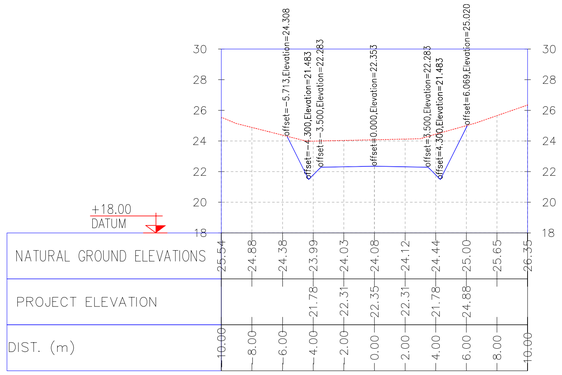

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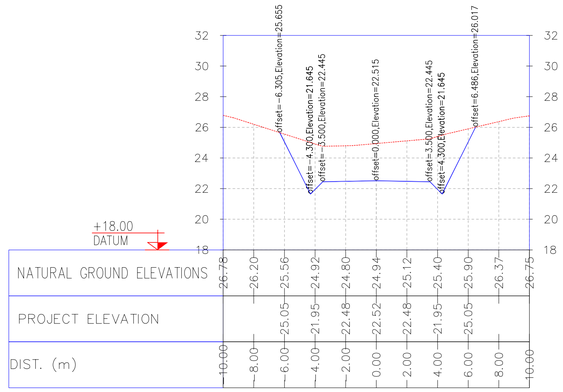

NOTES

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	** **

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 400~420M

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	30 of 42	D04

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
W028 WELLHEAD FACILITIES

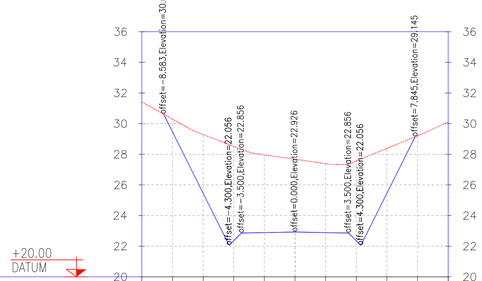
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

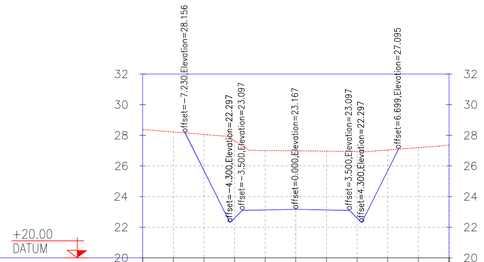
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	30	D04

0+445.19



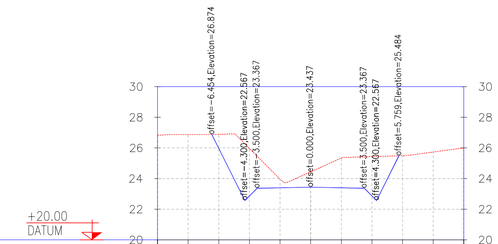
NATURAL GROUND ELEVATIONS	31.42	30.30	29.29	28.52	27.96	27.68	27.39	27.57	28.39	29.21	30.12
PROJECT ELEVATION	29.46	25.46	22.36	22.89	22.93	22.89	22.36	25.46			
DIST. (m)	10.00	8.00	6.00	4.00	2.00	0.00	2.00	4.00	6.00	8.00	10.00

0+460.00



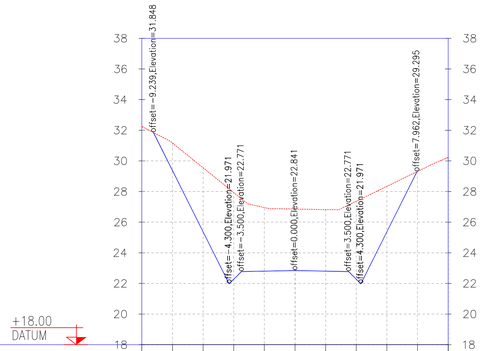
NATURAL GROUND ELEVATIONS	28.38	28.22	28.06	27.64	27.00	26.98	26.96	26.94	27.04	27.20	27.37
PROJECT ELEVATION	25.70	22.60	23.13	23.17	23.13	22.60	25.70				
DIST. (m)	10.00	8.00	6.00	4.00	2.00	0.00	2.00	4.00	6.00	8.00	10.00

0+476.60



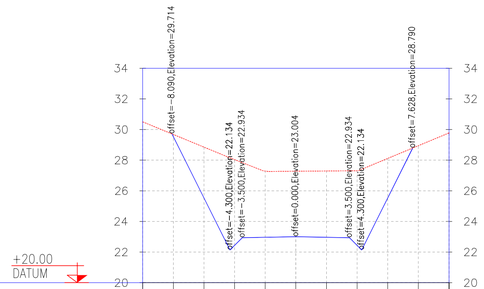
NATURAL GROUND ELEVATIONS	26.82	26.87	26.89	25.97	23.96	24.44	25.34	25.43	25.49	25.73	26.00
PROJECT ELEVATION	25.97	22.87	23.40	23.44	23.40	22.87					
DIST. (m)	10.00	8.00	6.00	4.00	2.00	0.00	2.00	4.00	6.00	8.00	10.00

0+440.00



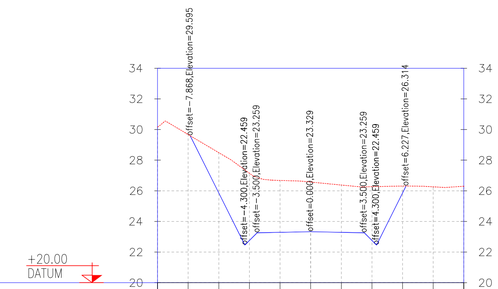
NATURAL GROUND ELEVATIONS	32.25	31.16	29.55	27.93	26.95	26.85	26.82	27.36	28.34	29.31	30.22
PROJECT ELEVATION	29.37	25.37	22.27	22.80	22.84	22.80	22.27	25.37			
DIST. (m)	10.00	8.00	6.00	4.00	2.00	0.00	2.00	4.00	6.00	8.00	10.00

0+450.00



NATURAL GROUND ELEVATIONS	30.50	29.68	28.85	28.04	27.29	27.28	27.29	27.31	28.11	28.94	29.78
PROJECT ELEVATION	29.53	25.53	22.43	22.96	23.00	22.96	22.43	25.53			
DIST. (m)	10.00	8.00	6.00	4.00	2.00	0.00	2.00	4.00	6.00	8.00	10.00

0+470.00



NATURAL GROUND ELEVATIONS	30.16	29.67	28.49	27.15	26.68	26.57	26.38	26.27	26.31	26.26	26.30
PROJECT ELEVATION	29.67	25.86	22.76	23.29	23.33	23.29	22.76	25.86			
DIST. (m)	10.00	8.00	6.00	4.00	2.00	0.00	2.00	4.00	6.00	8.00	10.00

NOTES

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2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 445.19~476.6M

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	31 of 42	D04

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	31	D04

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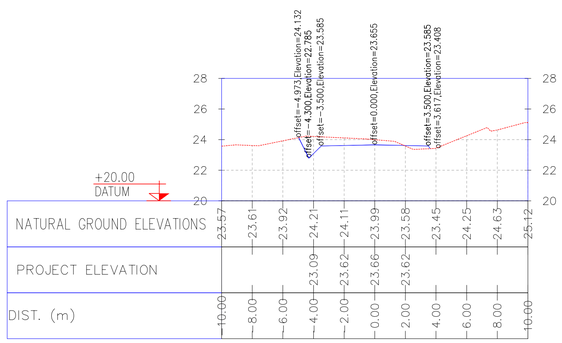

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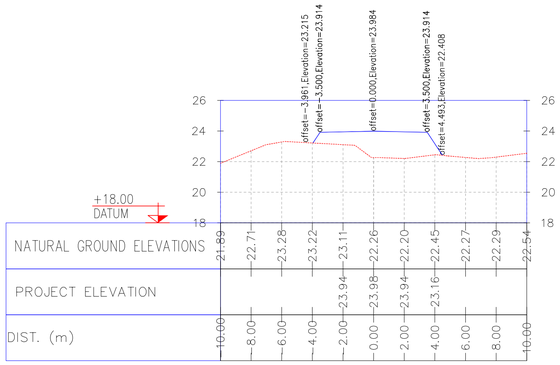

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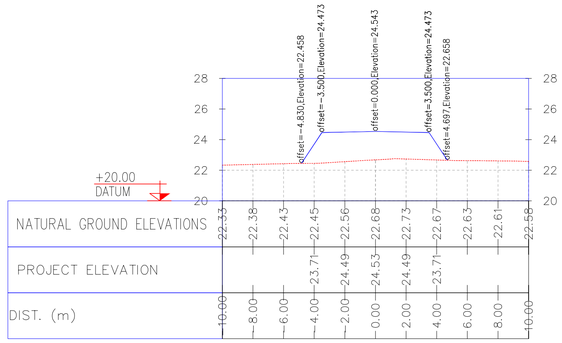

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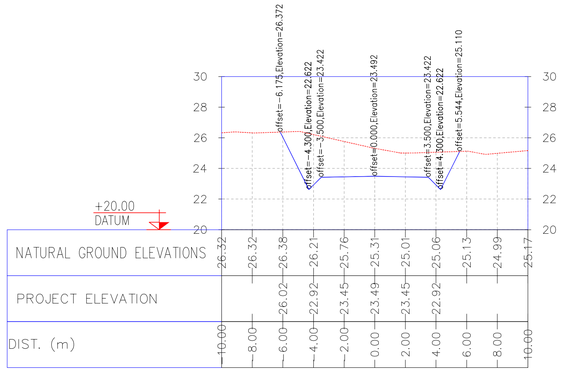

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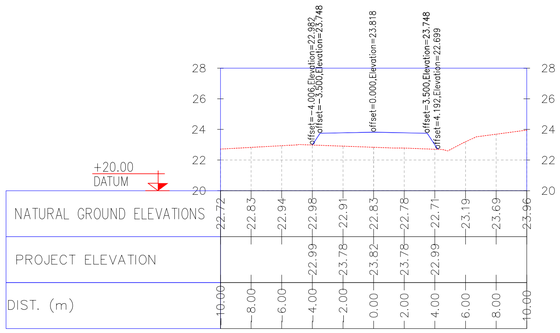

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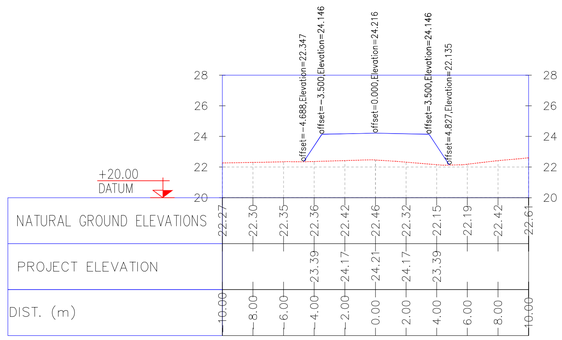

NOTES

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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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
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D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 490~530M

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	32 of 42	D04

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
W028 WELLHEAD FACILITIES

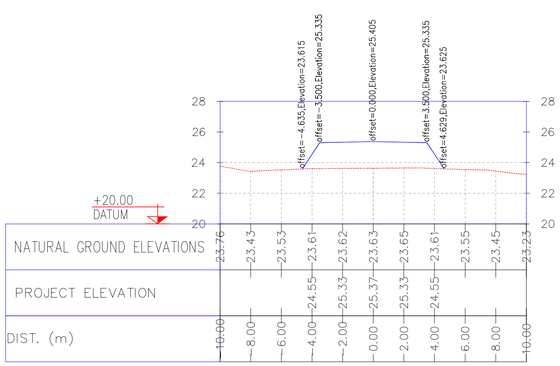
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	32	D04

0+550.00



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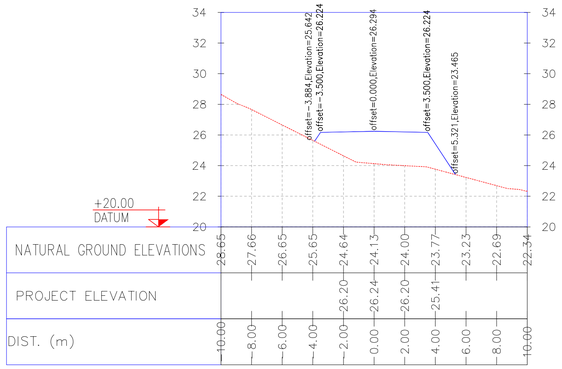

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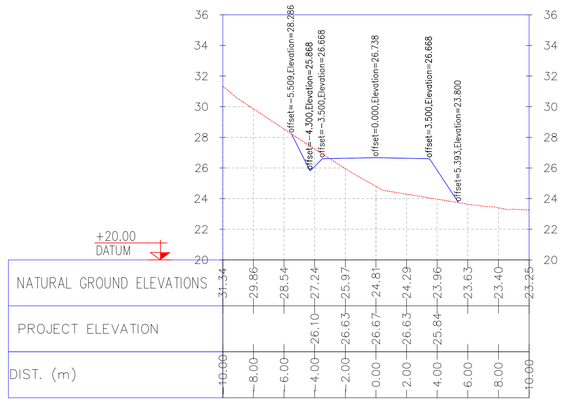

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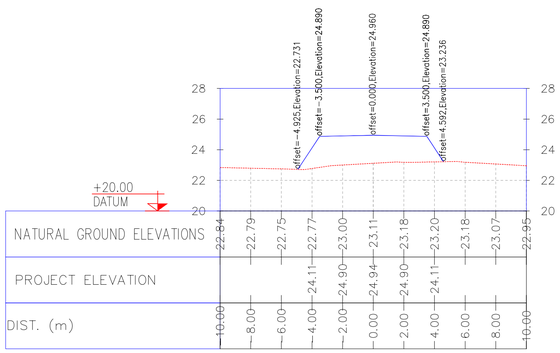

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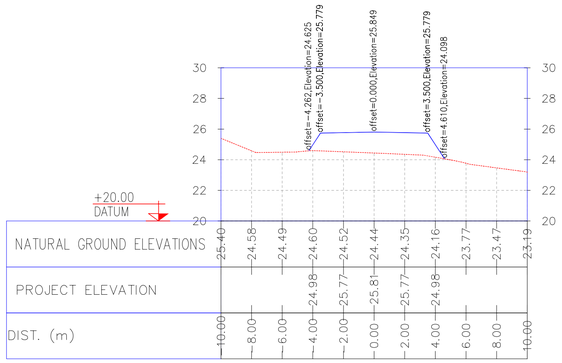

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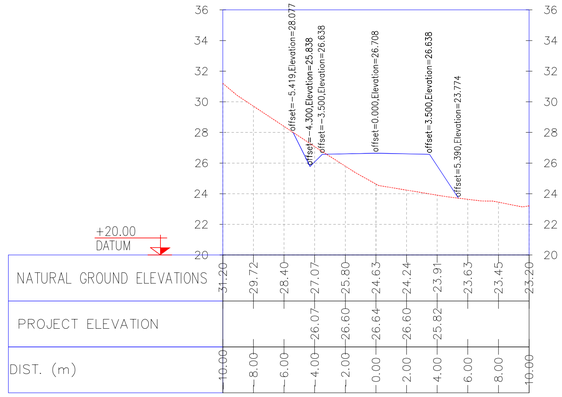

NOTES

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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:

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 550~580M

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	33 of 42	D04	053-073-9184	F	4	2	707548	33	D04

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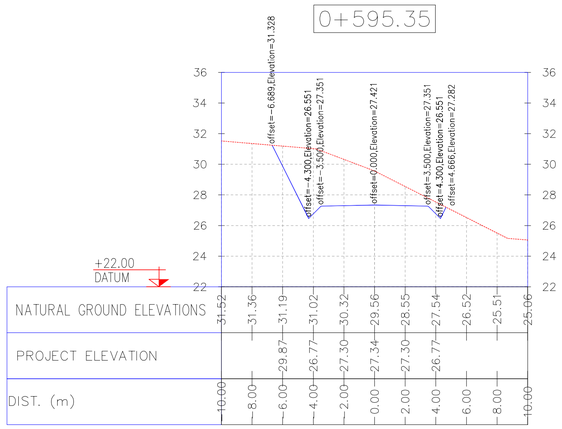

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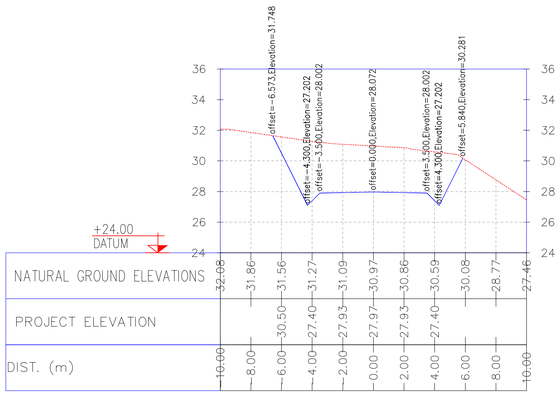

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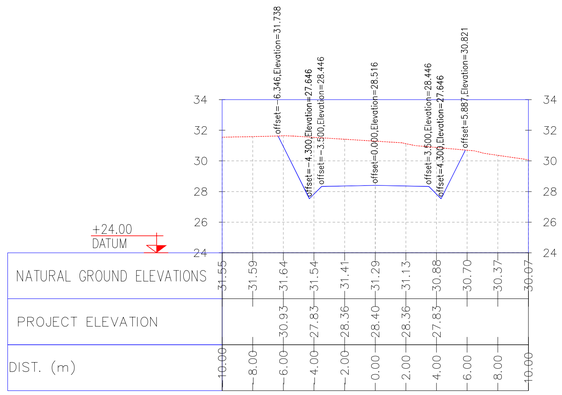

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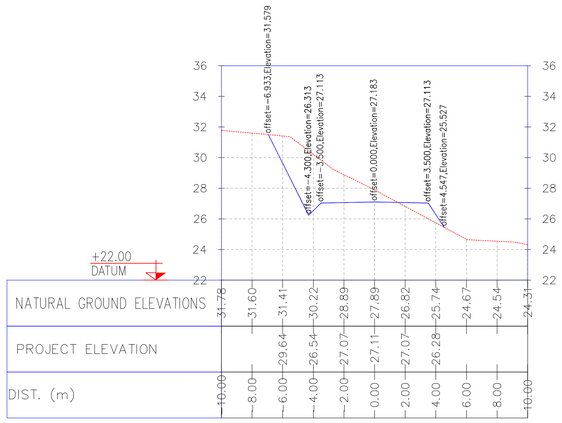

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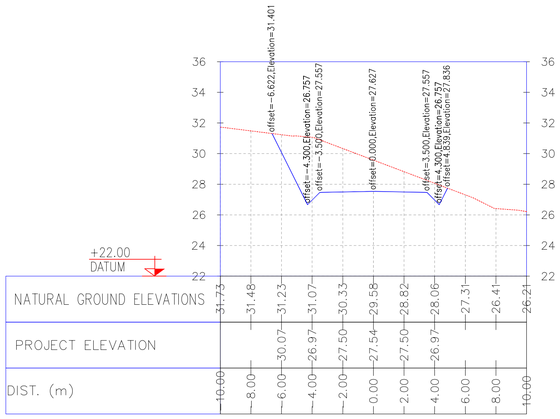

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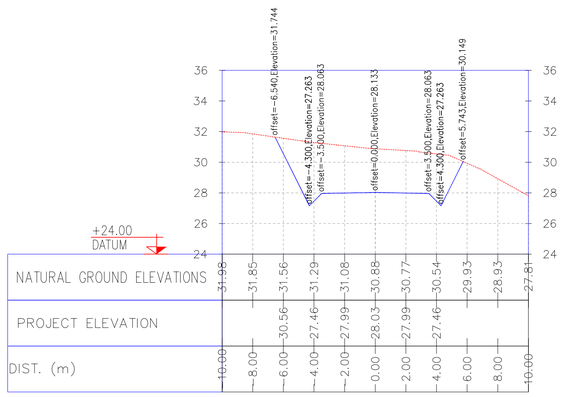

NOTES

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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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
ACCESS ROAD TRANSVERSAL SECTIONS KM 595.35~620M

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	34 of 42	D04

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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	34	D04

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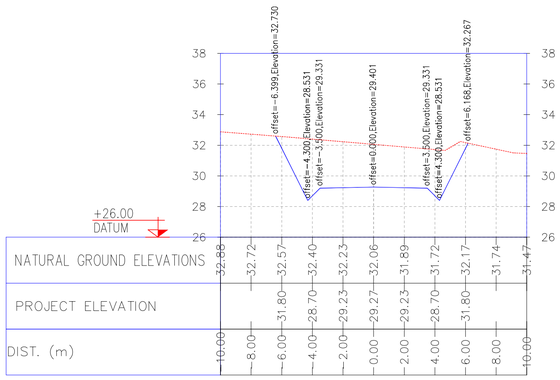

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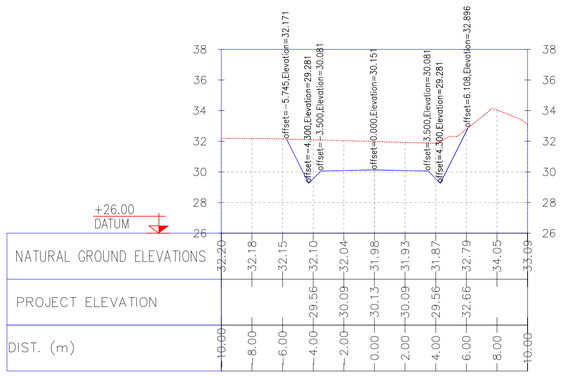

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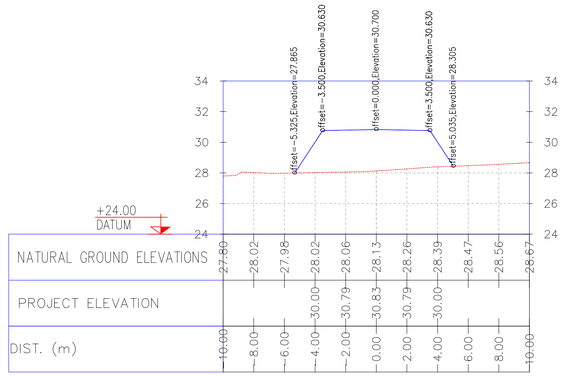

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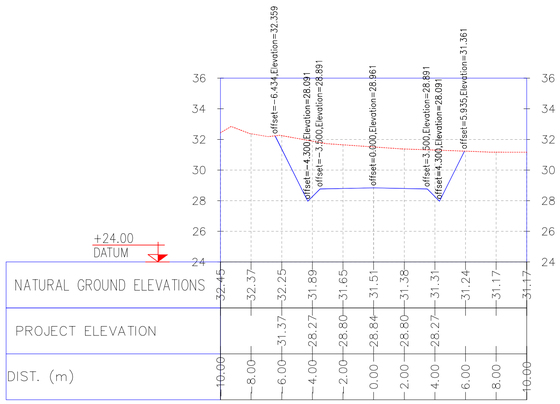

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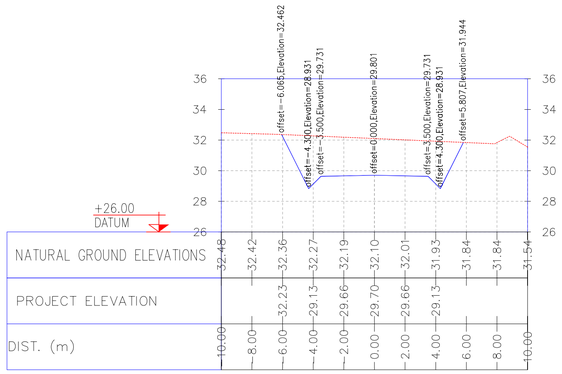

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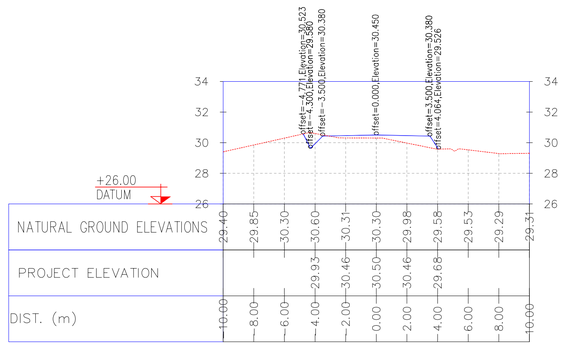

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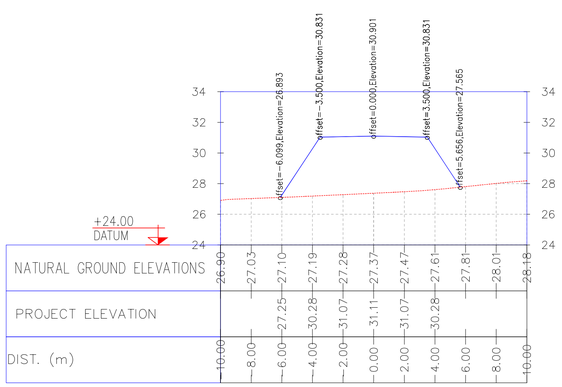

NOTES

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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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	** **

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 640~690M

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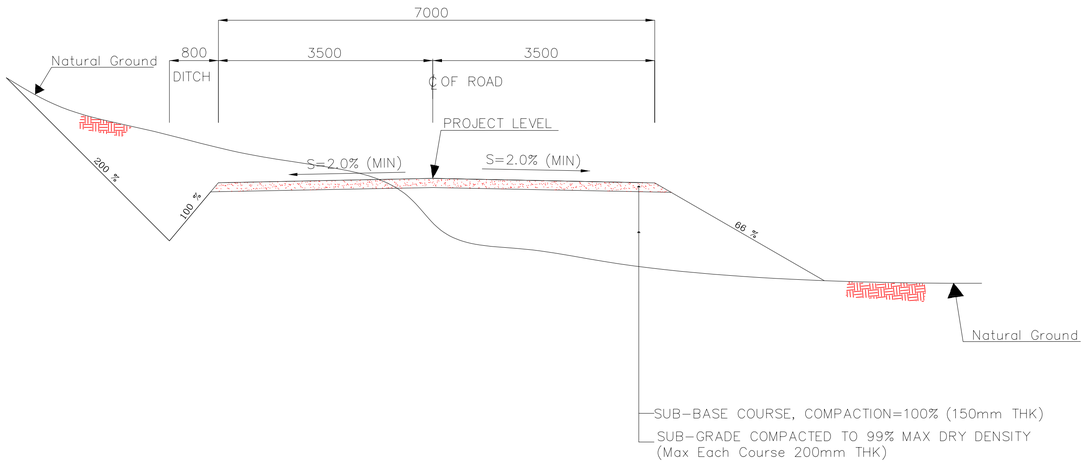
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	35 of 42	D04	053-073-9184	F	4	2	707548	35	D04



N.T.S. 1 TYPICAL CROSS SECTION (Access Road)

CUT & FILL VOLUME TABLE(ACCESS ROAD)

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.000	0.22	1.11	0.00	0.00	0.00	0.00
0+010.000	0.52	0.81	3.68	9.62	3.68	9.62
0+020.000	1.62	0.55	10.67	6.81	14.35	16.43
0+030.000	1.14	0.68	13.80	6.16	28.15	22.59
0+040.000	0.92	0.56	10.33	6.19	38.48	28.78
0+050.000	0.80	0.65	8.63	6.02	47.10	34.80
0+060.000	1.17	0.52	9.84	5.83	56.94	40.63
0+070.000	0.73	0.59	9.45	5.54	66.40	46.17
0+080.000	0.20	0.80	4.65	6.95	71.05	53.13
0+090.000	0.00	2.32	1.02	15.61	72.07	68.74
0+100.000	0.00	2.46	0.00	23.92	72.07	92.66
0+110.000	0.17	2.22	0.84	23.42	72.91	116.08
0+120.000	0.08	3.00	1.22	26.11	74.13	142.19
0+130.000	0.00	3.80	0.38	34.03	74.51	176.22
0+140.000	0.00	3.31	0.00	35.58	74.51	211.81
0+145.967	0.00	2.77	0.00	18.15	74.51	229.95
0+150.000	0.00	3.08	0.00	11.66	74.51	241.61
0+152.980	0.00	2.94	0.00	8.84	74.51	250.45
0+159.993	0.00	3.12	0.00	20.85	74.51	271.30
0+160.000	0.00	3.13	0.00	0.02	74.51	271.32

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+170.000	0.00	4.69	0.00	39.09	74.51	310.41
0+180.000	0.00	6.22	0.00	54.57	74.51	364.98
0+190.000	13.92	0.00	69.61	31.11	144.12	396.09
0+197.457	17.27	0.00	116.30	0.00	260.42	396.09
0+200.000	9.15	0.00	32.95	0.00	293.37	396.09
0+210.000	1.06	0.69	49.83	3.76	343.20	399.84
0+220.000	0.70	1.33	8.50	10.89	351.70	410.73
0+221.113	0.54	1.50	0.66	1.69	352.36	412.43
0+230.000	0.16	2.18	2.94	17.45	355.30	429.88
0+240.000	0.41	1.44	2.70	19.29	357.99	449.17
0+244.769	0.61	0.81	2.36	5.76	360.36	454.93
0+250.000	1.83	0.00	6.39	2.11	366.74	457.04
0+260.000	7.53	0.00	46.80	0.00	413.54	457.04
0+269.911	8.71	0.00	80.48	0.00	494.03	457.04
0+270.000	8.71	0.00	0.77	0.00	494.80	457.04
0+280.000	6.89	0.00	79.06	0.00	573.86	457.04
0+290.000	1.44	1.66	42.87	7.95	616.73	464.99
0+300.000	0.00	1.84	7.62	17.03	624.35	482.02
0+310.000	3.18	0.00	16.17	9.07	640.52	491.10
0+310.026	3.19	0.00	0.08	0.00	640.60	491.10

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+320.000	2.31	0.00	27.58	0.00	668.18	491.10
0+330.000	2.12	0.67	21.58	3.62	689.76	494.72
0+340.000	20.98	0.00	116.83	3.62	806.59	498.34
0+350.000	16.29	0.00	187.50	0.00	994.09	498.34
0+350.140	15.87	0.00	2.25	0.00	996.34	498.34
0+360.000	2.24	7.01	89.24	34.55	1085.59	532.90
0+370.000	1.47	1.30	18.52	41.56	1104.10	574.46
0+380.000	0.09	3.63	7.77	24.65	1111.87	599.11
0+390.000	0.00	10.00	0.43	68.11	1112.31	667.22
0+400.000	0.00	14.87	0.00	124.34	1112.31	791.56
0+410.000	0.00	20.52	0.00	176.94	1112.31	968.50
0+413.789	0.00	24.15	0.00	84.60	1112.31	1053.10
0+420.000	0.00	29.88	0.00	168.38	1112.31	1221.48
0+430.000	0.00	40.89	0.00	354.75	1112.31	1576.23
0+440.000	0.00	63.25	0.00	518.21	1112.31	2094.43
0+445.194	0.00	66.19	0.00	333.65	1112.31	2428.08
0+450.000	0.00	58.97	0.00	299.14	1112.31	2727.22
0+460.000	0.00	48.10	0.00	532.89	1112.31	3260.11
0+470.000	0.00	41.40	0.00	443.97	1112.31	3704.08
0+476.600	0.00	20.07	0.00	200.88	1112.31	3904.97

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+480.000	0.00	22.76	0.00	72.80	1112.31	3977.76
0+490.000	0.29	3.45	1.47	131.03	1113.78	4108.79
0+500.000	7.15	0.00	37.23	17.23	1151.00	4126.02
0+510.000	10.30	0.00	87.26	0.00	1238.26	4126.02
0+520.000	14.93	0.00	126.14	0.00	1364.40	4126.02
0+530.000	15.35	0.00	151.40	0.00	1515.80	4126.02
0+540.000	15.10	0.00	152.28	0.00	1668.08	4126.02
0+550.000	13.84	0.00	144.72	0.00	1812.80	4126.02
0+560.000	10.63	0.00	122.35	0.00	1935.15	4126.02
0+570.000	15.51	0.00	130.70	0.00	2065.85	4126.02
0+579.319	13.96	1.53	137.36	7.15	2203.21	4133.17
0+580.000	13.35	1.83	9.29	1.15	2212.50	4134.32
0+590.000	1.55	15.51	75.05	85.41	2287.55	4219.73
0+595.350	0.00	24.55	4.21	105.99	2291.75	4325.71
0+600.000	0.00	23.95	0.00	111.86	2291.75	4437.57
0+610.000	0.00	34.22	0.00	289.60	2291.75	4727.17
0+611.380	0.00	32.92	0.00	46.32	2291.75	4773.50
0+620.000	0.00	32.29	0.00	281.04	2291.75	5054.54
0+630.000	0.00	31.21	0.00	317.49	2291.75	5372.03
0+640.000	0.00	32.38	0.00	317.95	2291.75	5689.98

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+650.000	0.00	26.97	0.00	296.77	2291.75	5986.75
0+660.000	0.00	21.39	0.00	241.80	2291.75	6228.55
0+670.000	2.24	0.70	10.83	110.71	2302.59	6339.27
0+680.000	22.80	0.00	125.39	4.21	2427.98	6343.48
0+690.000	34.59	0.00	289.87	0.00	2717.85	6343.48

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	** **

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

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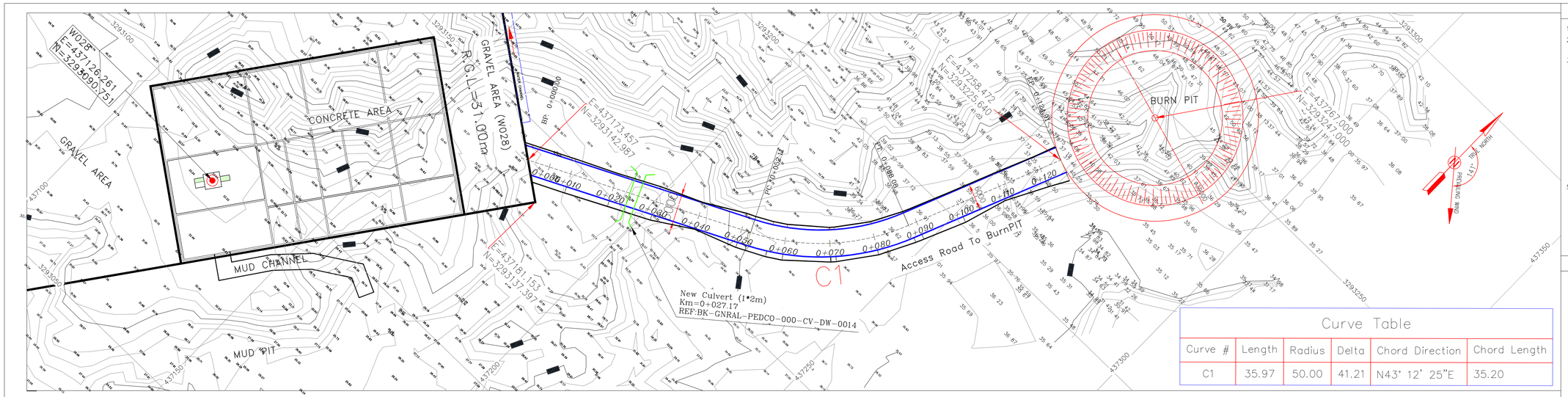
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
TYPICAL CUT&FILL CROSS SEC.(BURN PIT ROAD)& VOLUME TABEL

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	36 of 42	D04	053-073-9184	F	4	2	707548	36	D04



Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	35.97	50.00	41.21	N43° 12' 25"E	35.20

BURN PIT ROAD PLAN

H: 1/500
V: 1/50

1

NOTES

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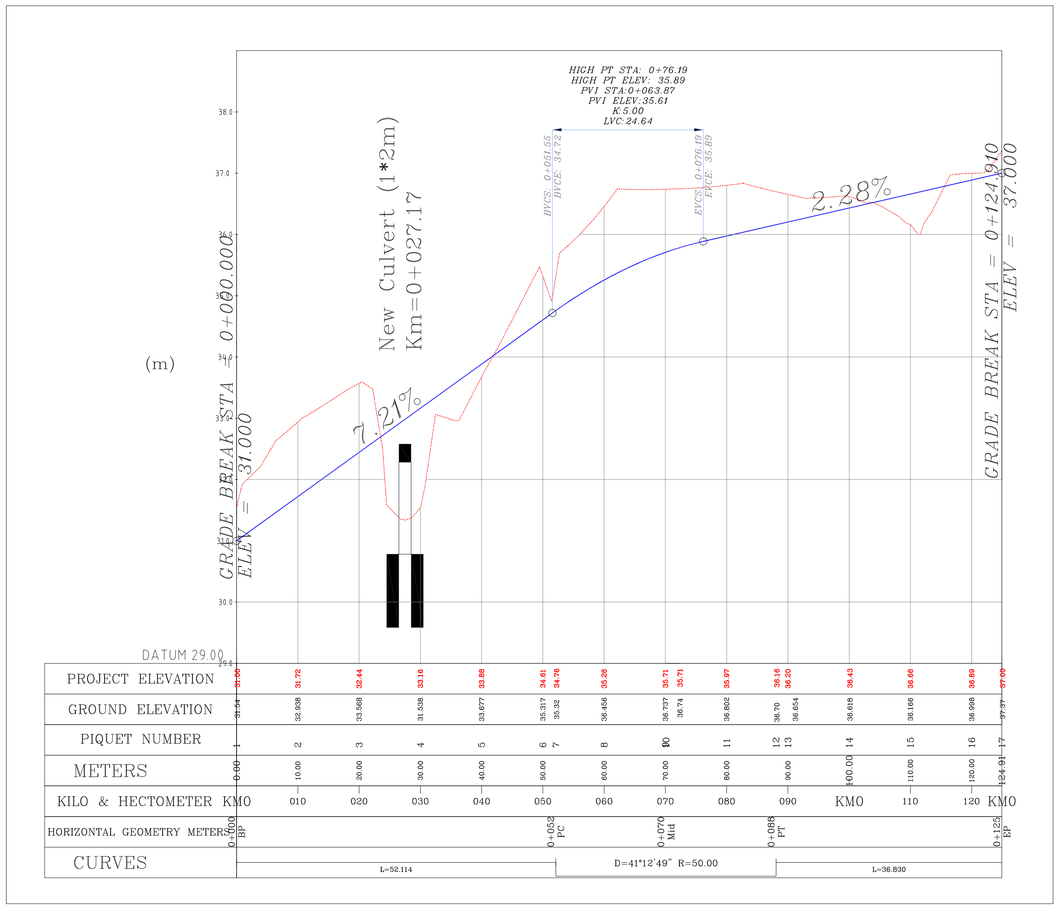
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- 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

Coordinate List		
Station	Northing	Easting
0+000.00	3293142.99	437173.46
0+010.00	3293147.40	437182.43
0+020.00	3293151.81	437191.40
0+030.00	3293156.23	437200.38
0+040.00	3293160.64	437209.35
0+050.00	3293165.05	437218.32
0+060.00	3293170.01	437227.00
0+070.00	3293176.55	437234.54
0+080.00	3293184.46	437240.63
0+090.00	3293193.41	437245.06
0+100.00	3293202.64	437248.90
0+110.00	3293211.87	437252.74
0+120.00	3293221.11	437256.58
0+124.91	3293225.64	437258.47



BURN PIT ROAD PROFILE

H: 1/500
V: 1/50

2

BENCH MARK LIST

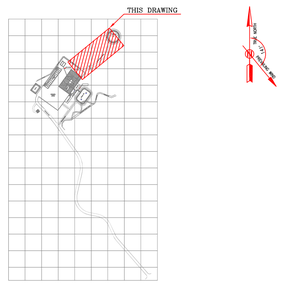
NAME	Easting(m)	Northing(m)	Elevation(m)
BM12	437294.141	3292567.901	35.395
BM14	437204.521	3292998.852	38.676
BM16	436964.749	3293160.118	37.566

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002
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.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
BURN PIT ROAD PLAN AND PROFILE SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	37 of 42	D04

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SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	37	D04

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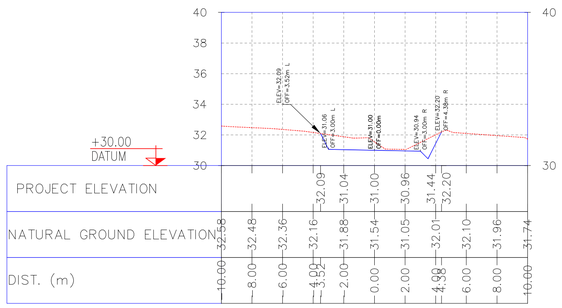

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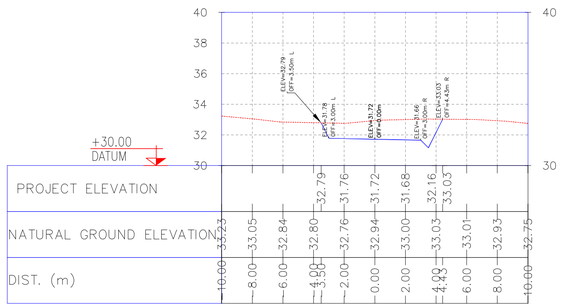

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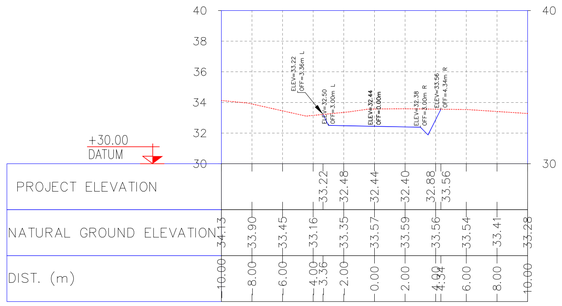

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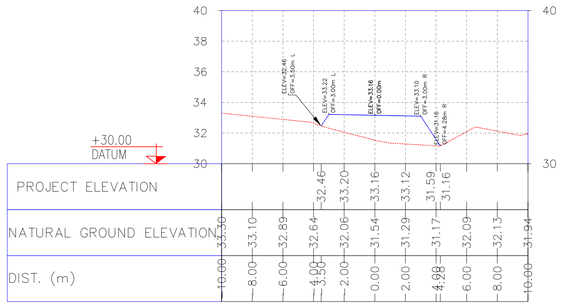

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3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
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Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
BURN PIT ROAD TRANSVERSAL SECTIONS KM 0 ~30M

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	38 of 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	38	D04

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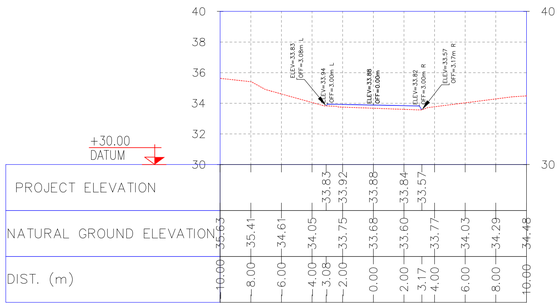

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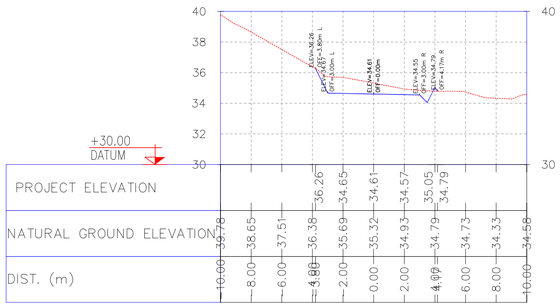

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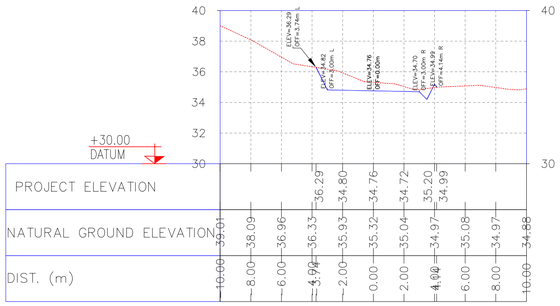

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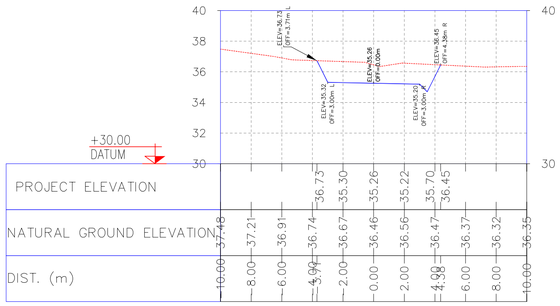

NOTES

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
BURN PIT ROAD TRANSVERSAL SECTIONS KM 40~60M

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	39 of 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	39	D04

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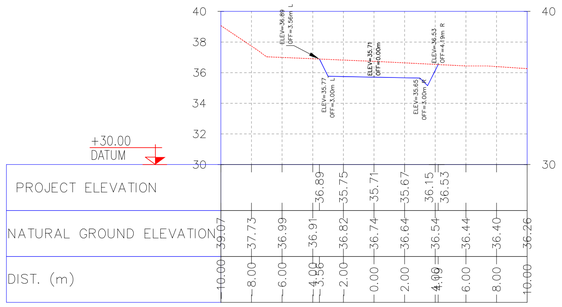

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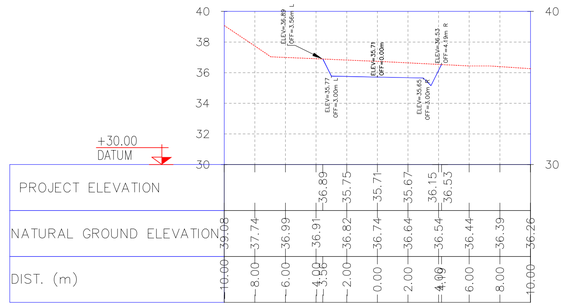

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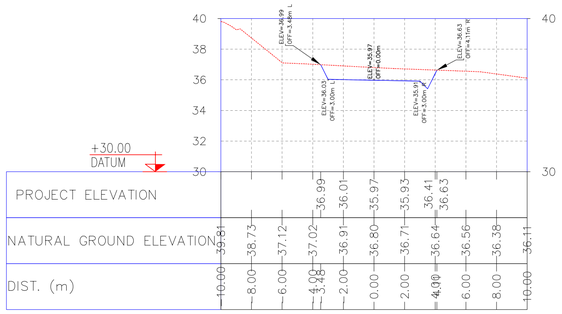

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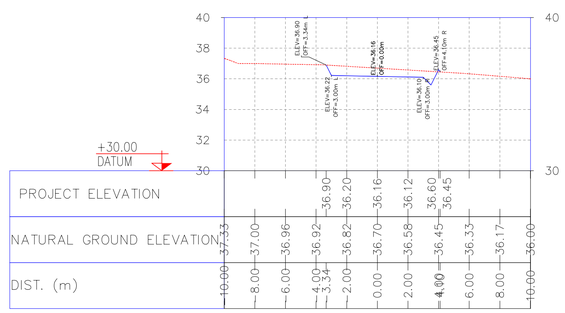

NOTES

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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:

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

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-W028S
BURN PIT ROAD TRANSVERSAL SECTIONS KM 70~88.08M

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	40 of 42	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	40	D04

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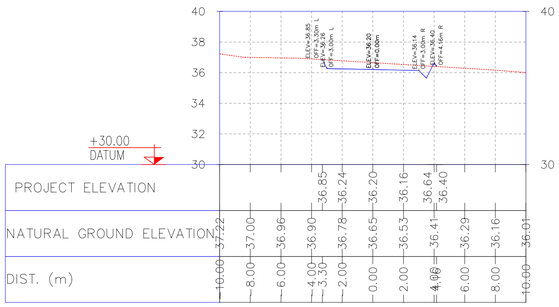

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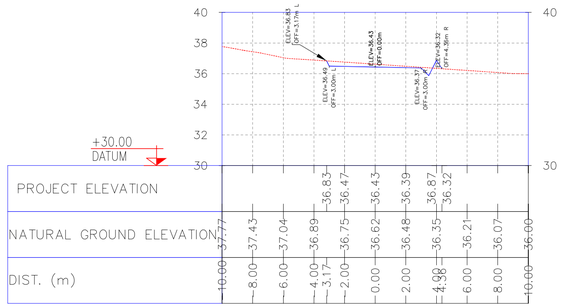

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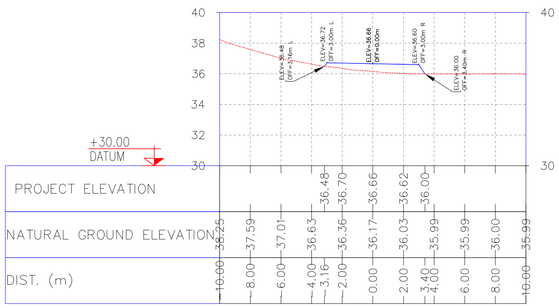

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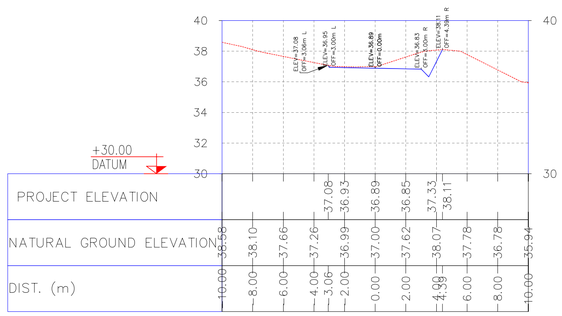

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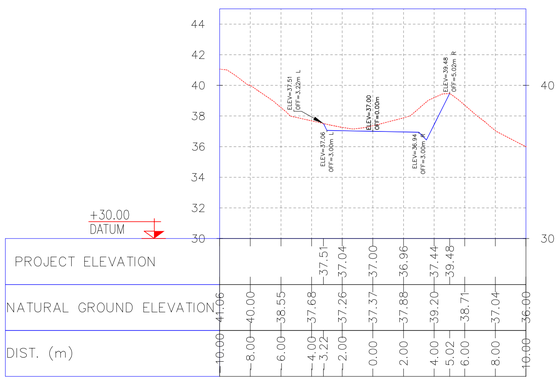

NOTES

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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:

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	MAY.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	MAR.2022	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	NOV.2021	IFA	R. BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	OCT.2021	IFC	R. BERLOUEI	M.FAKHARIAN	SH.GHALIKAR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
BURN PIT ROAD TRANSVERSAL SECTIONS KM 90~124.91M

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	41 of 42	D04

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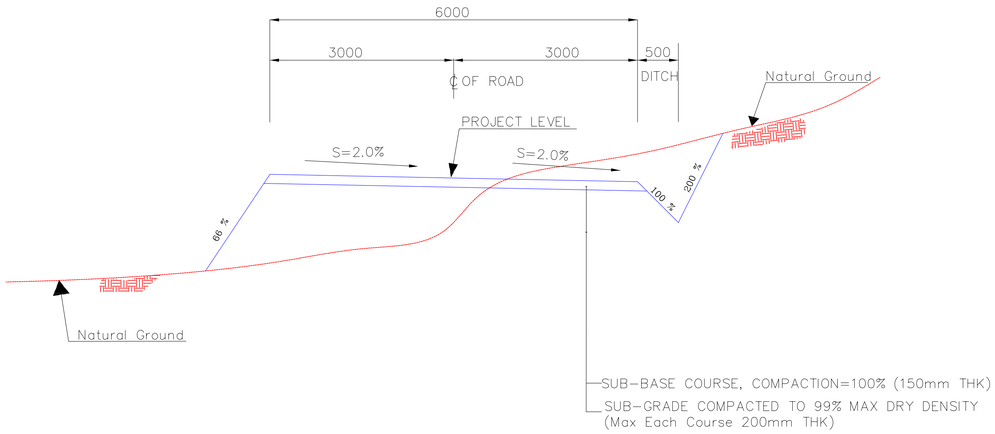
BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	2	707548	41	D04



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

CUT & FILL VOLUME TABLE(BURN PIT ROAD)

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.000	0.00	4.40	0.00	0.00	0.00	0.00
0+010.000	0.00	9.03	0.00	67.15	0.00	67.15
0+020.000	0.00	7.90	0.00	84.67	0.00	151.83
0+030.000	10.62	0.00	53.12	39.51	53.12	191.33
0+040.000	1.24	0.00	59.34	0.00	112.46	191.33
0+050.000	0.04	5.04	6.41	25.20	118.87	216.53
0+052.114	0.03	4.83	0.07	10.43	118.94	226.97
0+060.000	0.00	9.88	0.13	57.98	119.07	284.95
0+070.000	0.00	7.54	0.00	87.68	119.07	372.63
0+070.097	0.00	7.51	0.00	0.73	119.07	373.36
0+080.000	0.00	6.09	0.00	67.78	119.07	441.14
0+088.080	0.01	3.85	0.05	40.40	119.12	481.54
0+090.000	0.03	3.23	0.04	6.80	119.16	488.34
0+100.000	0.16	1.35	0.97	22.89	120.13	511.23
0+110.000	3.03	0.00	15.97	6.76	136.10	517.99
0+120.000	0.00	3.48	15.16	17.40	151.27	535.39
0+124.910	0.00	6.22	0.00	23.82	151.27	559.21

NOTES

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

LEGEND

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Rough Grading Plans -W028	BK-W028-PEDCO-110-CV-DW-0001
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D03	MAY.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D02	MAR.2022	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D01	NOV.2021	IFA	R. BERLOUEI	M.PAKHARIAN	M.MEHRSHAD	** **
D00	OCT.2021	IFC	R. BERLOUEI	M.PAKHARIAN	SH.GHALIKAR	** **

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

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 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
W028 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
TYPICAL CUT&FILL CROSS SEC.(BURN PIT ROAD)& VOLUME TABEL

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-W028-PEDCO-110-CV-PY-0002	42 of 42	D04	053-073-9184	F	4	2	707548	42	D04