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  - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
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 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)  
 VERTICAL DATUM: MEAN SEA LEVEL
  - THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:  
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 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.  
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-CNRAL-PEDCO-000-CV-SP-0004".  
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
  - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
  - RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
  - PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-CNRAL-PEDCO-110-PI-DW-0001
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**LEGEND**

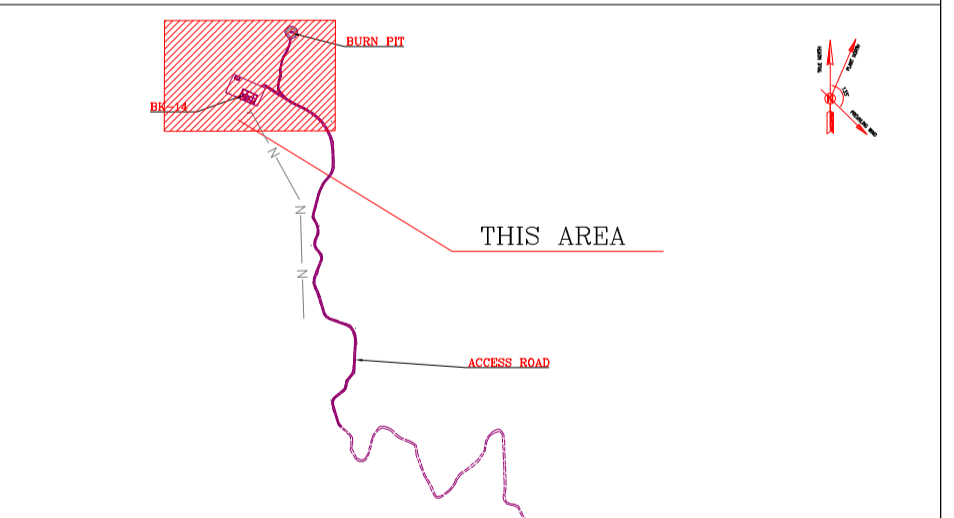
	Existing GRAVEL ROAD		CHANNEL
	New GRAVEL ROAD		RIVER
	ASPHALT ROAD		WATER COURSE
	STAIR		CONTOURS
	TRENCH		SPOT HEIGHT
	FENCE		BENCH MARK
	RETAINING WALL		WELL LOCATION
	WATER LINE		WELL
	POWER LINE		BURNPIT
	BUILDING		SITE (LOCATION)
	CONCRETE AREA		DRILLING CONEX AREA
	EXISTING CONCRETE AREA		OIL LINE
	SEPTIC		BURN PIT LINE
	MANHOLE		ROAD WIDENING AREA
	POLE		
	HELIPAD		
	GEOMEMBRANE AREA		

**REFERENCE DRAWING**

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**ABBREVIATIONS**

F.T.	FUEL TANK	W.T.	WATER TANK
S.R.	SECURITY ROOM	D.G	DIESEL GENERATOR SHELTER
S.G.	SWITCH GEAR	F.P	FIRE FIGHTING SHELTER



**BENCH MARK LIST**

NAME	Easting	Northing	Elevation
GPS1	437770.859	3295060.106	171.419
GPS2	437770.794	3295060.096	171.418

**POWER LINE COORDINATION**

Station	Northing	Easting	Station	Northing	Easting
0+000.00	3294101.65	438077.16	0+480.00	3294580.90	438060.51
0+020.00	3294121.64	438076.55	0+500.00	3294598.42	438050.87
0+040.00	3294141.63	438075.93	0+520.00	3294615.94	438041.23
0+060.00	3294161.62	438075.32	0+540.00	3294633.47	438031.59
0+080.00	3294181.61	438074.71	0+560.00	3294650.99	438021.95
0+100.00	3294201.61	438074.10	0+580.00	3294668.51	438012.31
0+120.00	3294221.60	438073.48	0+600.00	3294686.04	438002.67
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0+200.00	3294301.56	438071.03	0+680.00	3294756.13	437964.11
0+220.00	3294321.55	438070.42	0+700.00	3294773.65	437954.47
0+240.00	3294341.54	438069.81	0+720.00	3294791.18	437944.83
0+260.00	3294361.53	438069.20	0+740.00	3294808.70	437935.19
0+280.00	3294381.52	438068.58	0+760.00	3294826.22	437925.55
0+300.00	3294401.51	438067.97	0+780.00	3294843.75	437915.91
0+320.00	3294421.50	438067.36	0+800.00	3294861.27	437906.27
0+340.00	3294441.49	438066.75	0+820.00	3294878.79	437896.63
0+360.00	3294461.48	438066.13	0+840.00	3294896.31	437886.99
0+380.00	3294481.47	438065.52	0+860.00	3294913.84	437877.35
0+400.00	3294501.46	438064.91	0+880.00	3294931.36	437867.71
0+420.00	3294521.45	438064.30	0+900.00	3294948.88	437858.07
0+440.00	3294541.44	438063.69			
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**TABLE 1- ASPHALT AREA SPECIFICATION**

NAME	KM START	KM END	LENGTH(m)
AREA1	0+430.00	0+650.00	120
AREA2	0+970.00	1+150.00	180
AREA3	2+150.00	2+250.00	100
AREA4	2+800.00	3+290.00	490
AREA5	3+900.00	4+010.00	110
TOTAL			1000

**TABLE 2- RETAINING WALL AREA**

NAME	KM START	KM END	LENGTH(m)	WIDTH(Cm)
AREA1	2+380.00	2+350.00	30	50
AREA2	3+118.00		5	50
AREA3	3+330.00	3+390.00	120	40

**TABLE 4- LIST OF ROAD WIDENING AREA**

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

**TABLE 3- LIST OF NEW CULVERT**

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

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

REV.	DATE	BY	CHECKED	DATE	BY	DATE
D06	AUG 2023	APC	R.BERLOUE	M.FAKHARIAN	A.M.MOHSSENI	***
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D04	MAY 2023	IPA	R.BERLOUE	M.FAKHARIAN	A.M.MOHSSENI	***
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: General Civil Layout - BK14 (Location Map)

SCALE: 1:1000 | SIZE: A1 | DRAWING NO.: BK-BK14-PEDCO-110-CV-PY-0001 | SHEET NO.: 1 OF 4 | REV.: D06

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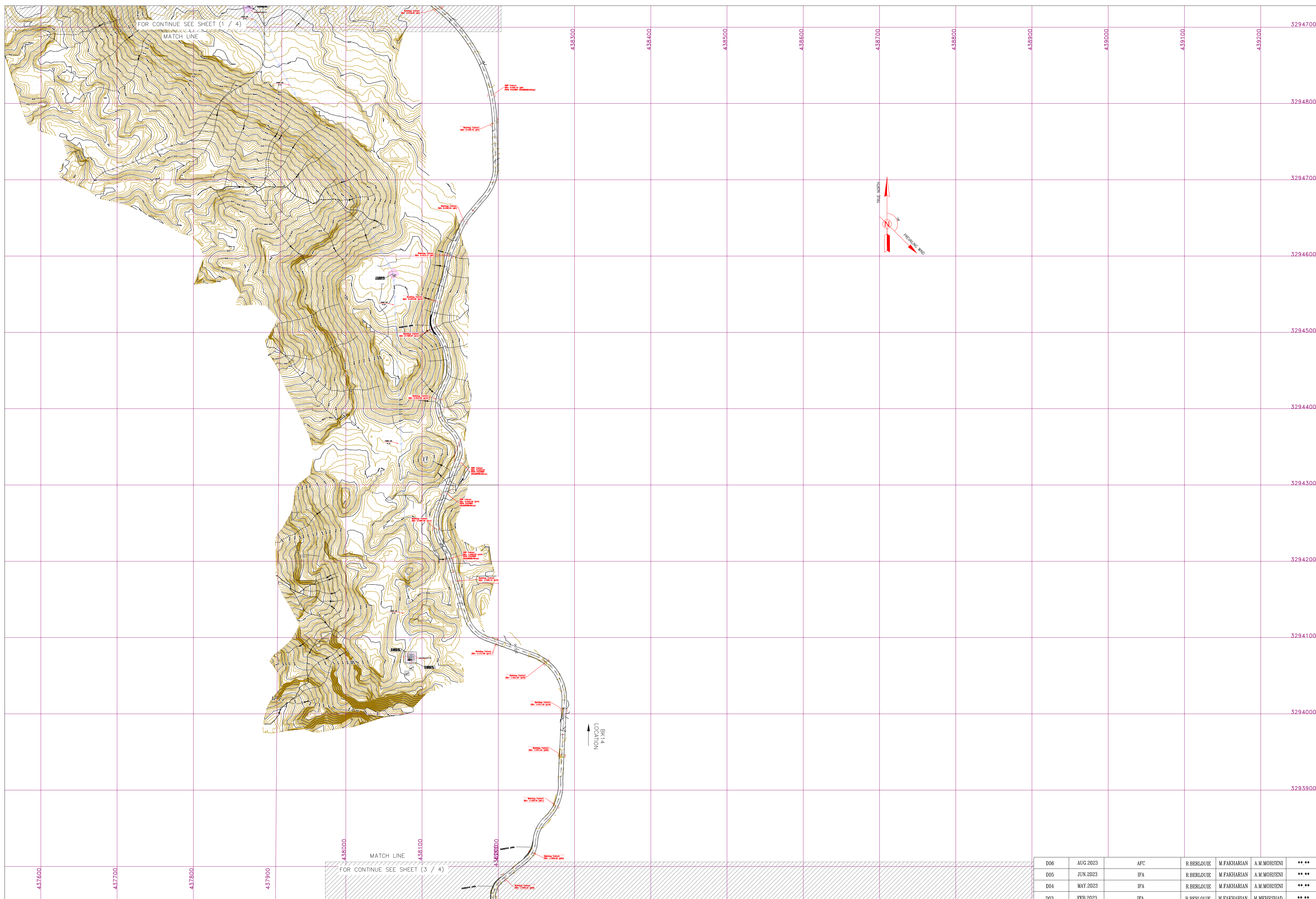
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
953-073-9184	F	4	A	708210	1	D06



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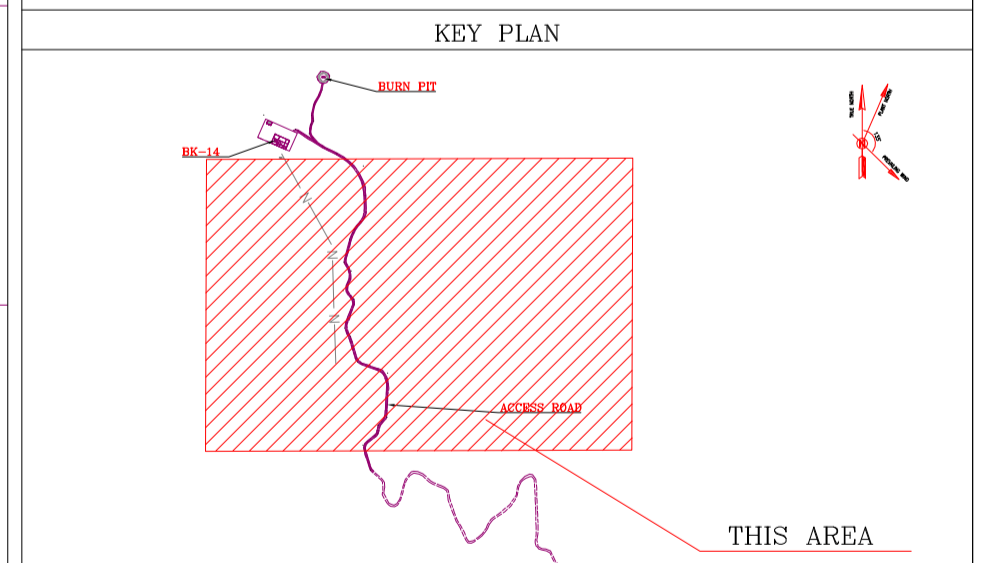
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PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: General Civil Layout - BK14 (Location Map)

SCALE: 1:2500 | SIZE: A1 | DRAWING NO.: BK-BK14-PEDCO-110-CV-PY-0001 | SHEET NO.: 2 OF 4 | REV.: D06

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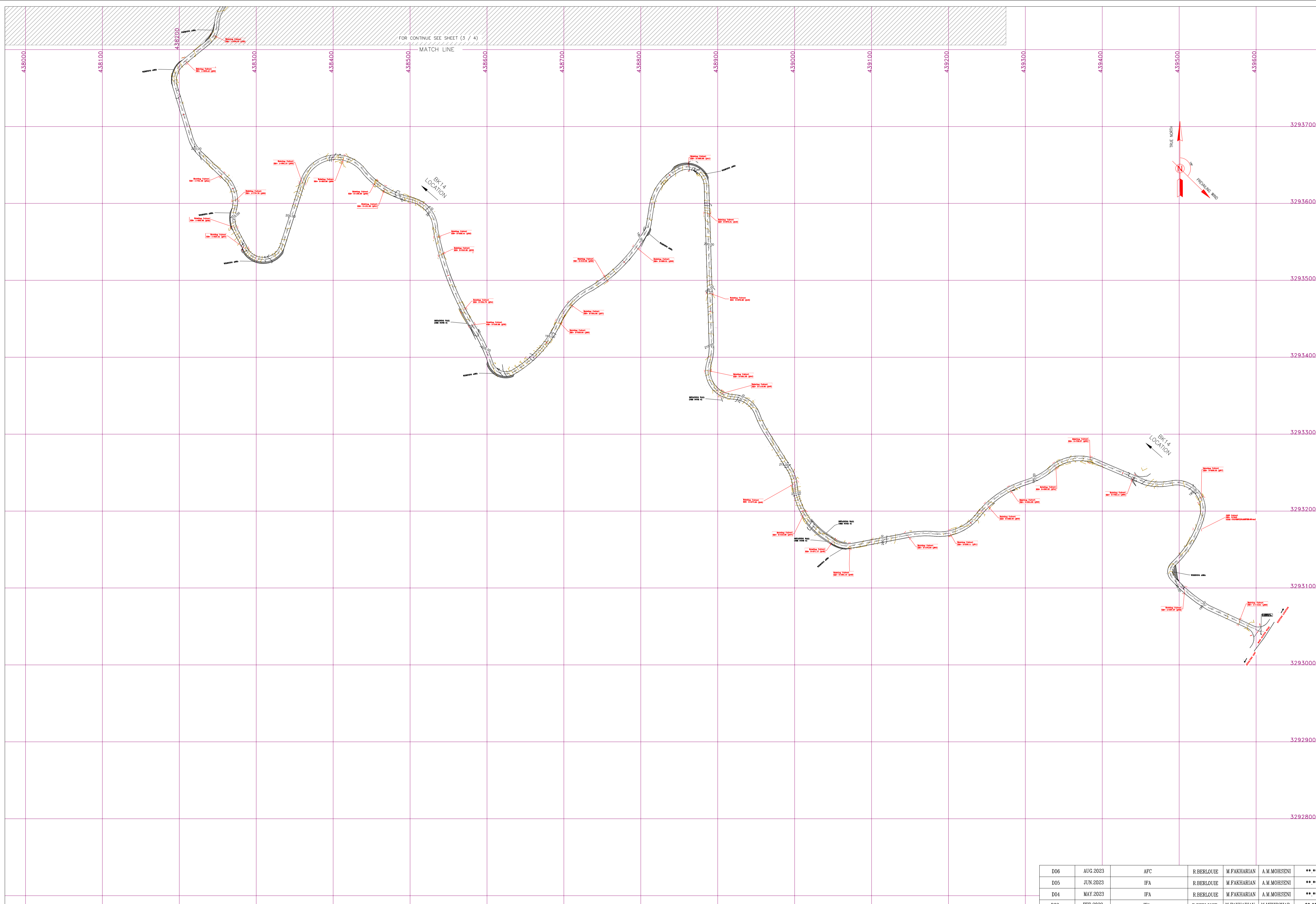
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
953-073-9184	F	4	A	708210	2	D06



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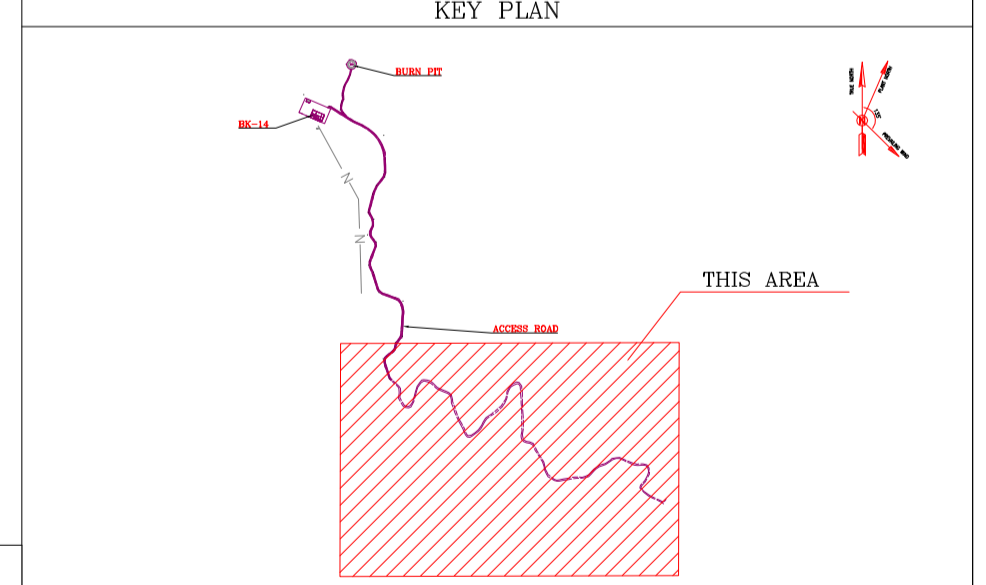
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S.R.	SECURITY ROOM	D.G	DIESEL GENERATOR SHELTER
S.G.	SWITCH GEAR	F.P	FIRE FIGHTING SHELTER



**BENCH MARK LIST**

NAME	Easting	Northing	Elevation
GPS1	437770.859	3295060.106	171.419
GPS2	437770.794	3295060.096	171.418

**POWER LINE COORDINATION**

Station	Northing	Easting	Station	Northing	Easting
0+000.00	3294101.65	438077.16	0+480.00	3294580.90	438060.51
0+020.00	3294121.64	438076.55	0+500.00	3294598.42	438050.87
0+040.00	3294141.63	438075.93	0+520.00	3294615.94	438041.23
0+060.00	3294161.62	438075.32	0+540.00	3294633.47	438031.59
0+080.00	3294181.61	438074.71	0+560.00	3294650.99	438021.95
0+100.00	3294201.61	438074.10	0+580.00	3294668.51	438012.31
0+120.00	3294221.60	438073.48	0+600.00	3294686.04	438002.67
0+140.00	3294241.59	438072.87	0+620.00	3294703.56	437993.03
0+160.00	3294261.58	438072.26	0+640.00	3294721.08	437983.39
0+180.00	3294281.57	438071.65	0+660.00	3294738.61	437973.75
0+200.00	3294301.56	438071.03	0+680.00	3294756.13	437964.11
0+220.00	3294321.55	438070.42	0+700.00	3294773.65	437954.47
0+240.00	3294341.54	438069.81	0+720.00	3294791.18	437944.83
0+260.00	3294361.53	438069.20	0+740.00	3294808.70	437935.19
0+280.00	3294381.52	438068.58	0+760.00	3294826.22	437925.55
0+300.00	3294401.51	438067.97	0+780.00	3294843.75	437915.91
0+320.00	3294421.50	438067.36	0+800.00	3294861.27	437906.27
0+340.00	3294441.49	438066.75	0+820.00	3294878.79	437896.63
0+360.00	3294461.48	438066.13	0+840.00	3294896.31	437886.99
0+380.00	3294481.47	438065.52	0+860.00	3294913.84	437877.35
0+400.00	3294501.46	438064.91	0+880.00	3294931.36	437867.71
0+420.00	3294521.45	438064.30	0+899.27	3294948.24	437858.42
0+440.00	3294541.44	438063.68			
0+460.00	3294561.43	438063.07			

**TABLE 1- ASPHALT AREA SPECIFICATION**

NAME	KM START	KM END	LENGTH(m)	WIDTH(Cm)
AREA1	0+430.00	0+550.00	120	120
AREA2	0+970.00	1+150.00	180	180
AREA3	2+150.00	2+250.00	100	100
AREA4	2+800.00	3+280.00	490	490
AREA5	3+900.00	4+010.00	110	110
<b>TOTAL</b>			<b>1000</b>	

**TABLE 2- RETAINING WALL AREA**

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

**TABLE 3- LIST OF NEW CULVERT**

NUMBER	KM	TYPE OF CULVERT
1	0+394	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
2	0+900	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
3	0+943.33	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
4	1+036.30	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
5	3+940	CONCRETE PIPE CULVERT (DIAMETER 80 cm)

**TABLE 4- LIST OF ROAD WIDENING AREA**

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

D06	AUG 2023	APC	R.BERLOUE	M.FAKHARIAN	A.M.MOHSSENI	***
D05	JUN 2023	IFA	R.BERLOUE	M.FAKHARIAN	A.M.MOHSSENI	**
D04	MAY 2023	IFA	R.BERLOUE	M.FAKHARIAN	A.M.MOHSSENI	***
D03	FEB 2023	IFA	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
D02	NOV 2022	IFA	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
D01	OCT 2022	IFA	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
D00	SEP 2022	IPC	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: General Civil Layout - BK14 (Location Map)

SCALE: 1:2500 | SIZE: A1 | DRAWING NO.: BK-BK14-PEDCO-110-CV-PY-0001 | SHEET NO.: 3 OF 4 | REV.: D06

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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
953-073-9184	F	4	A	708210	3	D06

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

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

Cut and Fill Volume Table

- NOTES**
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
  - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
  - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:  
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39  
 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)  
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)  
 VERTICAL DATUM: MEAN SEA LEVEL
  - THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:  
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.  
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.  
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".  
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
  - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARL...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
  - RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
  - PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON:  
 BK-GNRL-PEDCO-000-CV-DW-0009
  - THE FENCE AROUND THE LOCATION SHALL BE BASED ON:  
 BK-GNRL-PEDCO-000-CV-DW-0009
  - THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.
  - CONSTRUCTION OF THE HELIPAD AREA AND ITS ACCESS ROAD IS SUBJECT TO OFFICIAL NOTIFICATION FROM THE CLIENT AS EXTRA WORKS.

**LEGEND**

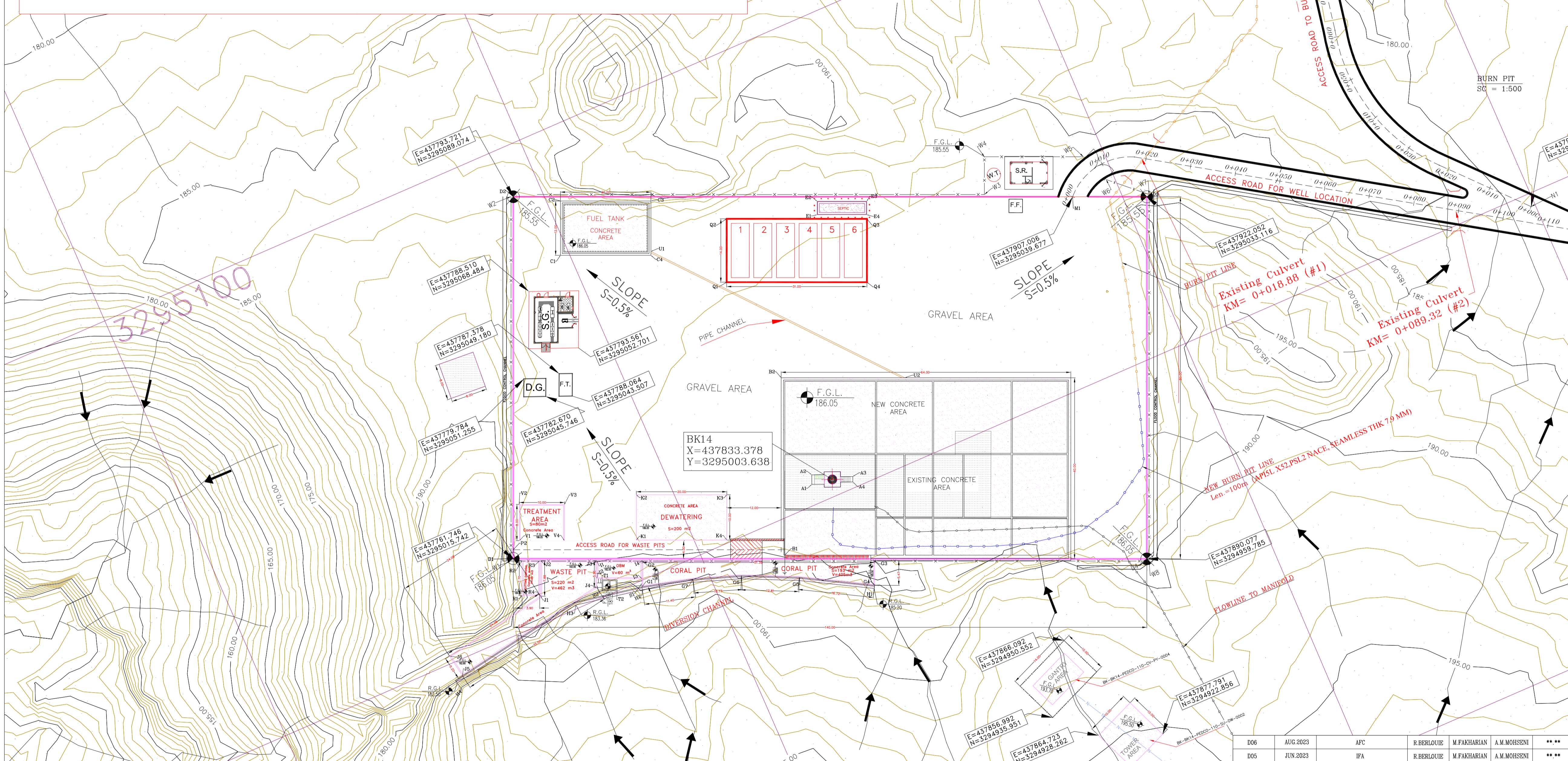
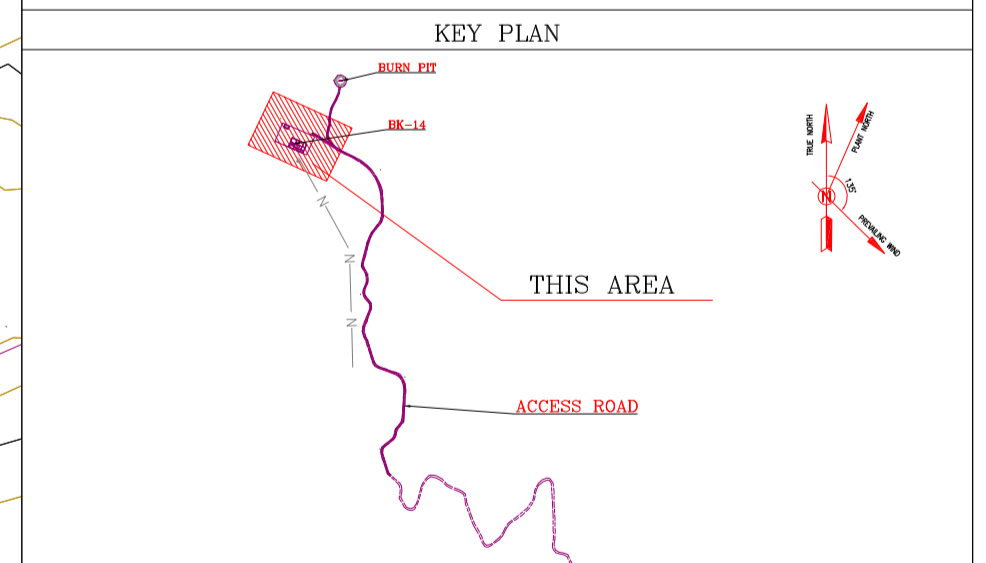
	Existing GRAVEL ROAD		CHANNEL
	New GRAVEL ROAD		RIVER
	ASPHALT ROAD		WATER COURSE
	STAIR		CONTOURS
	TRENCH		SPOT HEIGHT
	FENCE		BENCH MARK
	RETAINING WALL		POWER LINE
	WATER LINE		CULVERT
	BUILDING		WELL LOCATION
	CONCRETE AREA		WELL
	EXISTING CONCRETE AREA		BURNPIT
	SEPTIC		SITE (LOCATION)
	MANHOLE		DRILLING CONEX AREA
	POLE		OIL LINE
	HELIPAD		BURN PIT LINE
	GEOMEMBRANE AREA		ROAD WIDENING AREA

**REFERENCE DRAWING**

REFERENCE DRAWING	DRG. No.
Civil and Structural drawings - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plans - BK14	BK-BK14-PEDCO-110-CV-DW-0001
Site Plan Drawing - BK14	BK-BK14-PEDCO-110-PI-DW-0001
Architectural Drawing For WIP/JIP/ Shelter of Well Pads - BK14	BK-BK14-PEDCO-110-AS-DW-0001
Standard Drawing For Fence & Gate Details	BK-GNRL-PEDCO-000-CV-DW-0009
Architectural Drawing For Diesel Generator Shelter of Well Pads - BK14	BK-BK14-PEDCO-110-AS-DW-0002
Architectural Drawing For WIP/JIP Shelter of Well Pads - BK14	BK-BK14-PEDCO-110-AS-DW-0002
Architectural Drawing For Switchover Building of Well Pads - BK14	BK-BK14-PEDCO-110-AS-DW-0003
Architectural Drawing For Security Building of Well Pads - BK14	BK-BK14-PEDCO-110-AS-DW-0004
Over Head Line Plan and Profile - BK14	BK-BK14-PEDCO-110-SU-DW-0002

**ABBREVIATIONS**

F.T.	FUEL TANK	W.T.	WATER TANK
S.R.	SECURITY ROOM	D.G.	DIESEL GENERATOR SHELTER
S.G.	SWITCH GEAR	F.F.	FIRE FIGHTING SHELTER



AREA NAME	DESCRIPTION	UTM - COORDINATE (ZONE 39N)	REMARKS & Reference Drawing	AREA NAME	DESCRIPTION	UTM - COORDINATE (ZONE 39N)	REMARKS & Reference Drawing	AREA NAME	DESCRIPTION	UTM - COORDINATE (ZONE 39N)	REMARKS & Reference Drawing	AREA NAME	DESCRIPTION	UTM - COORDINATE (ZONE 39N)	REMARKS & Reference Drawing
AREA-A	CELLAR	A1 437828.80 3295004.44 A2 437829.93 3295008.38 A3 437837.78 3295002.42 A4 437837.31 3295001.31 B1 437816.67 3294992.34 B2 437832.00 3295028.75 B3 437890.66 3295003.17 B4 437874.52 3294986.13 C1 437798.09 3295073.04 C2 437802.89 3295084.04 C3 437821.22 3295076.05 C4 437816.43 3295065.05	DECK AREA = 3.00m x 3.00m BULK HEAD CONCRETE WALL AND DECK AREA (SEE DETAILS) DECK AREA = 3.00m x 3.00m BULK HEAD CONCRETE WALL AND DECK AREA (SEE DETAILS) DECK AREA = 1.00m x 2.00m BULK HEAD CONCRETE WALL AND DECK AREA (SEE DETAILS) DECK AREA = 1.00m x 2.00m BULK HEAD CONCRETE WALL AND DECK AREA (SEE DETAILS) DECK AREA = 1.00m x 2.00m BULK HEAD CONCRETE WALL AND DECK AREA (SEE DETAILS) DECK AREA = 1.00m x 2.00m BULK HEAD CONCRETE WALL AND DECK AREA (SEE DETAILS) DECK AREA = 1.00m x 2.00m BULK HEAD CONCRETE WALL AND DECK AREA (SEE DETAILS) DECK AREA = 1.00m x 2.00m BULK HEAD CONCRETE WALL AND DECK AREA (SEE DETAILS)	AREA-G	CORAL PIT	G1 437785.35 3294998.71 G2 437787.66 3295004.01 G3 437834.77 3294983.46 G4 437832.58 3294978.45 G5 437818.05 3294986.72 G6 437806.47 3294992.18 G7 437798.35 3294995.76 G8 437832.24 3294977.84 H1 437785.35 3294998.71 H2 437775.18 3294998.03 H3 437770.34 3295000.83 H4 437739.39 3294995.53 H5 437778.49 3295008.00 H6 437778.89 3295004.34 H7 437786.06 3295000.34 H8 437787.66 3295004.01 H9 437763.97 3295005.73 H10 437767.13 3295012.96 H11 437778.49 3295008.00 H12 437778.89 3295004.34 H13 437786.06 3295000.34 H14 437787.66 3295004.01 H15 437763.97 3295005.73 H16 437767.13 3295012.96 H17 437778.49 3295008.00 H18 437778.89 3295004.34 H19 437786.06 3295000.34 H20 437787.66 3295004.01 H21 437763.97 3295005.73 H22 437767.13 3295012.96 H23 437778.49 3295008.00 H24 437778.89 3295004.34 H25 437786.06 3295000.34 H26 437787.66 3295004.01 H27 437763.97 3295005.73 H28 437767.13 3295012.96 H29 437778.49 3295008.00 H30 437778.89 3295004.34 H31 437786.06 3295000.34 H32 437787.66 3295004.01 H33 437763.97 3295005.73 H34 437767.13 3295012.96 H35 437778.49 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