



BENCH MARK COORDINATE LIST			
Points Name	Easting	Northing	Elevation
BM41	441669.351	3286578.783	62.854
GPS7	441342.220	3286602.041	75.411
GPS1-BK5	441751.134	3286418.338	64.407
GPS6-BK5	441552.844	3286457.422	63.624

D00	JUN 2023	IPC	R.BERLOUEH	M.FAKHARIAN	A.M.MOHSENI
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK05 WHF MODIFICATION					
PROJECT NO.: 971020					
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):		
 HURGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY		
DRAWING TITLE: Rough Grading Plans –BK05 (BATTERY LIMIT)					
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.
1:500	A1	BK-BK05-PEDCO-110-CV-PY-0003		2 OF 5	D00

NOTES

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.

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

3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39

ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)

MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)

VERTICAL DATUM: MEAN SEA LEVEL

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-GNRL-PEDCO-000-CV-SP-0004".

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

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

6-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.

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

8-THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009

9-THE EXACT LOCATION OF NEW CULTIV AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

10-THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009

LEGEND

Existing GRAVEL ROAD

New GRAVEL ROAD

ASPHALT ROAD

STAIR

TRENCH

EMBANKMENT

OIL LINE

BURNING PIT LINE

NEW BURN PIT LINE

POWER LINE

WATER LINE

BUILDING

CONCRETE AREA

SEPTIC

MANHOLE

POLE

HELIPAD

EARTH WORK

CHANNEL

RIVER

WATER COURSE

CONTOURS

SPOT HEIGHT

BENCH MARK

CULVERT

WELL LOCATION

WELL

BURNPIT

SITE (LOCATION)

DRILLING CONEX AREA

FILL THICKNESS

CUT THICKNESS

CUT GRADING

FILL GRADING

REFERENCE DRAWING

DRG. No.

GENERAL CIVIL LAYOUT -BK05

BK-BK05-PEDCO-110-CV-PY-0001

CIVIL AND STRUCTURAL DRAWINGS -BK05

BK-BK05-PEDCO-110-CV-DW-0001

Plot Plan Drawing - BK05

BK-BK05-PEDCO-110-PI-PY-0001

Over Head Line Plan and Profile - BK05

BK-BK05-PEDCO-110-SU-DW-0001

Geotechnical Investigation Report - BK05

BK-BK05-PEDCO-110-GT-RP-0001

Specification For Earth Work

BK-GNRL-PEDCO-000-CV-SP-0004

Standard Drawing For Slope Protection Details

BK-GNRL-PEDCO-000-CV-DW-0002

Specification For Road & Paving

BK-GNRL-PEDCO-000-CV-SP-0002

GENERAL NOTES - REINFORCED CONCRETE STRUCTURES

BK-GNRL-PEDCO-000-ST-DW-0002

Standard Drawing For Fence & Gate Details

BK-GNRL-PEDCO-000-CV-DW-0009

ABBREVIATIONS

R.G.L. = ROUGH GRADING LEVEL

F.T. = FUEL TANK

S.R. = SECURITY ROOM

N.G.L. = NATURAL GROUND LEVEL

S.G. = SWITCH GEAR

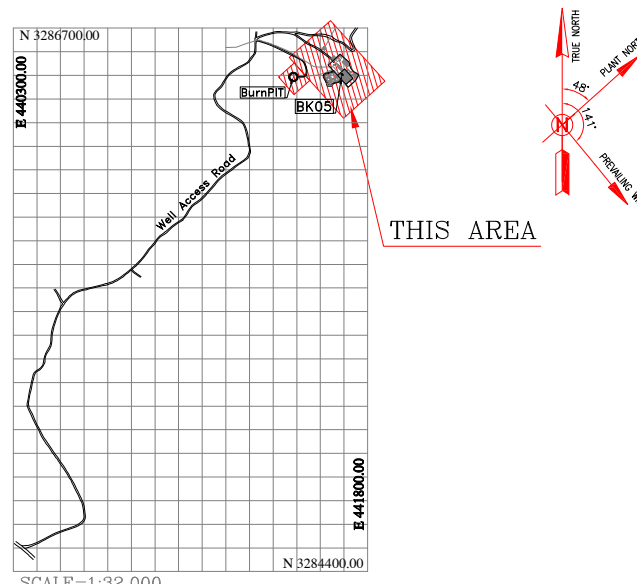
W.T. = WATER TANK

D.G. = DIESEL GENERATOR SHELTER

F.G.L. = FINISH GRADING LEVEL


F.P. = FIRE FIGHTING SHELTER

KEY PLAN



REV. DESCRIPTION BY DATE BY DATE

احمل 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 BK05 WHF MODIFICATION

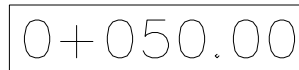
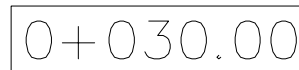
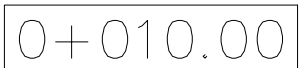
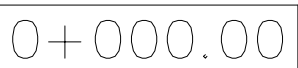
DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED




APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION

653-073-9184 F 4 S 708461 2 D00

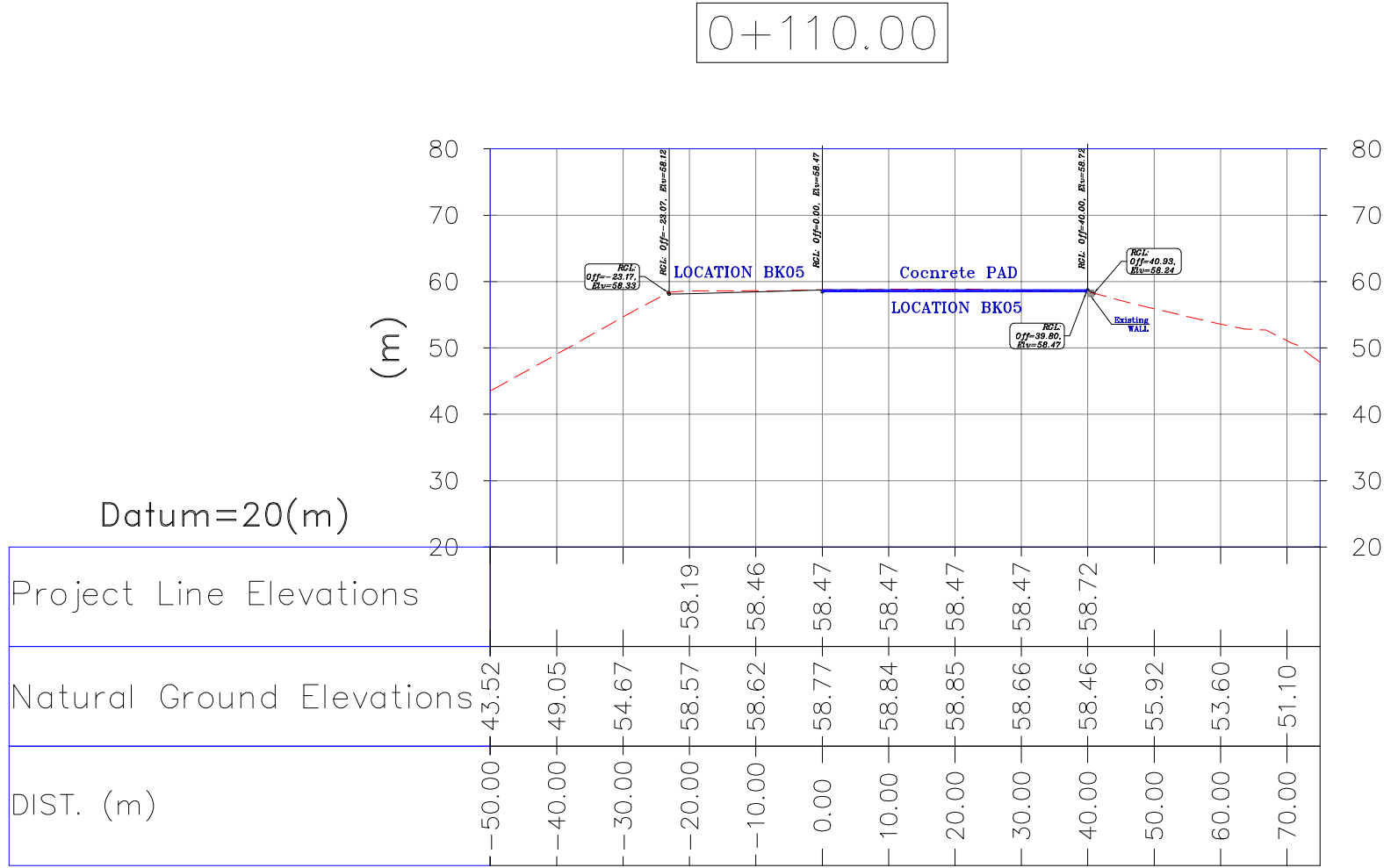
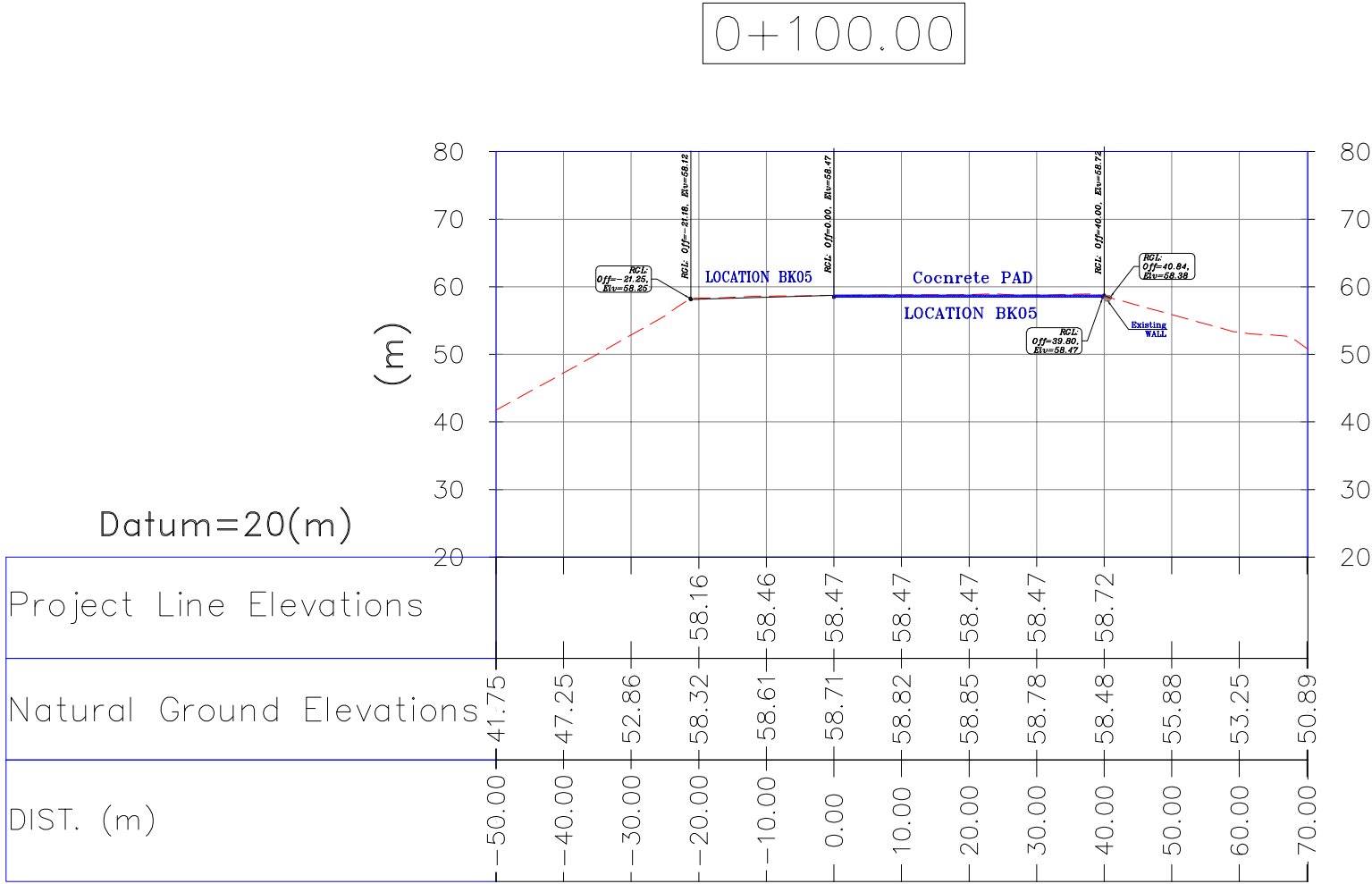
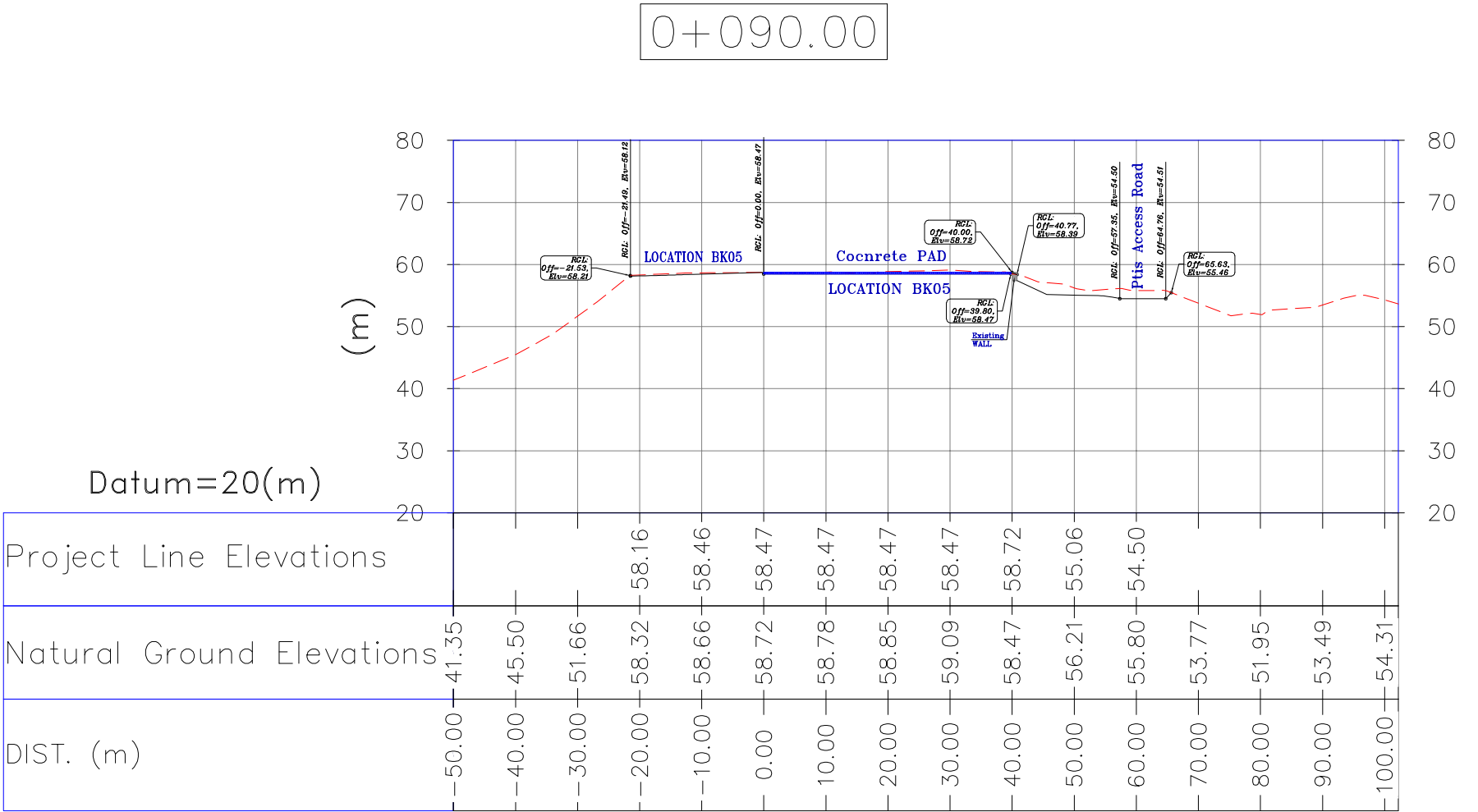
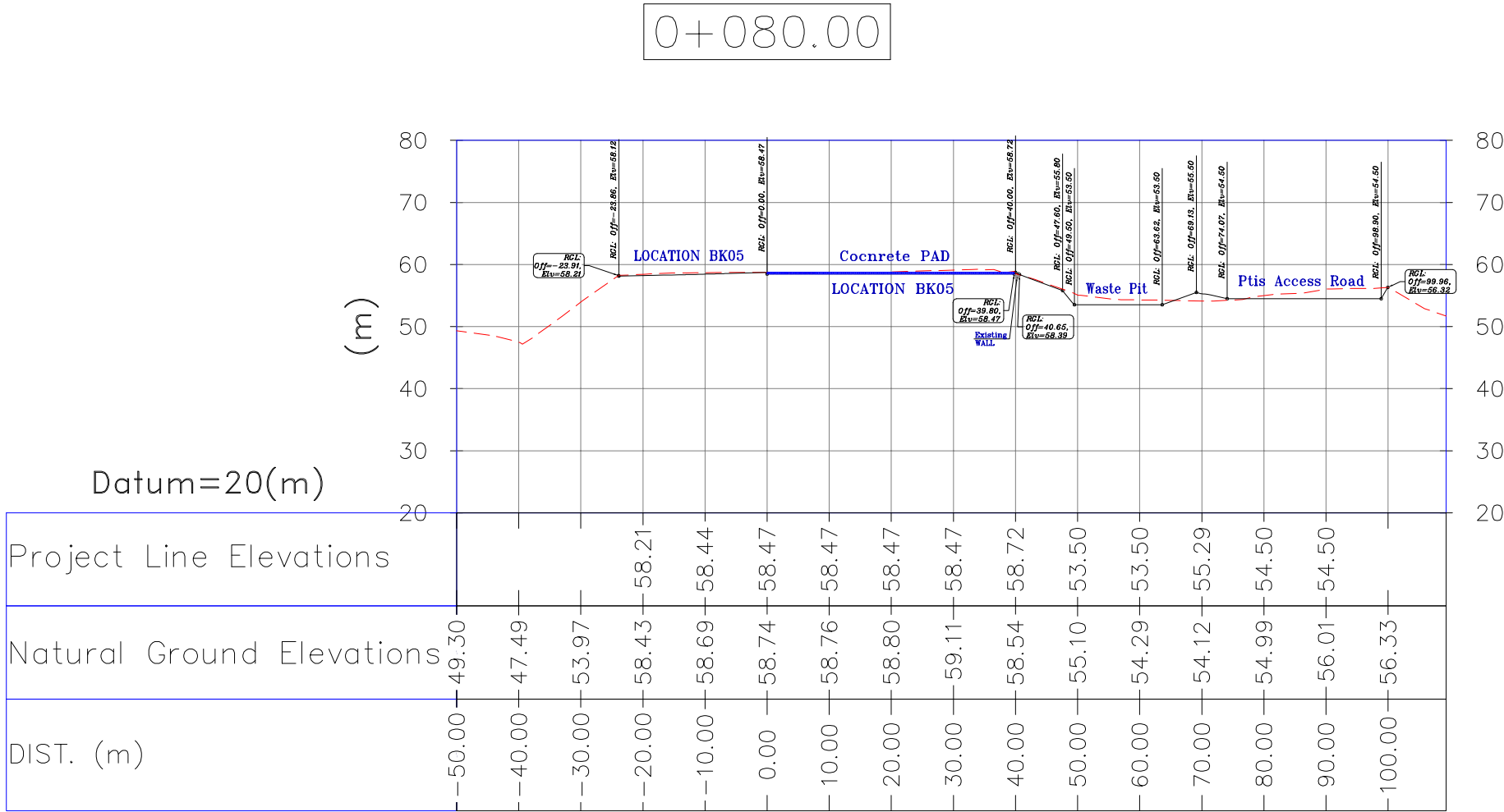
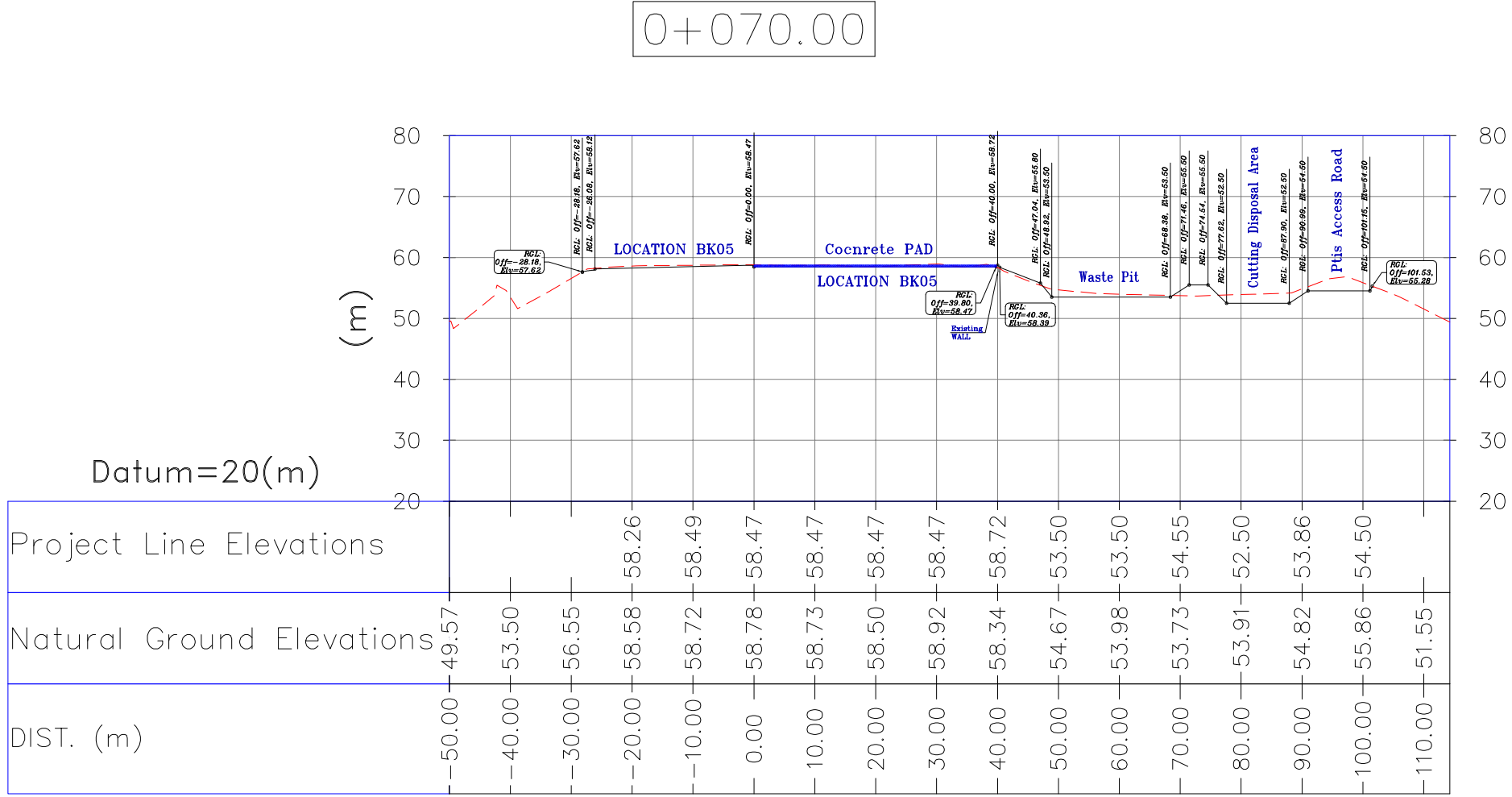
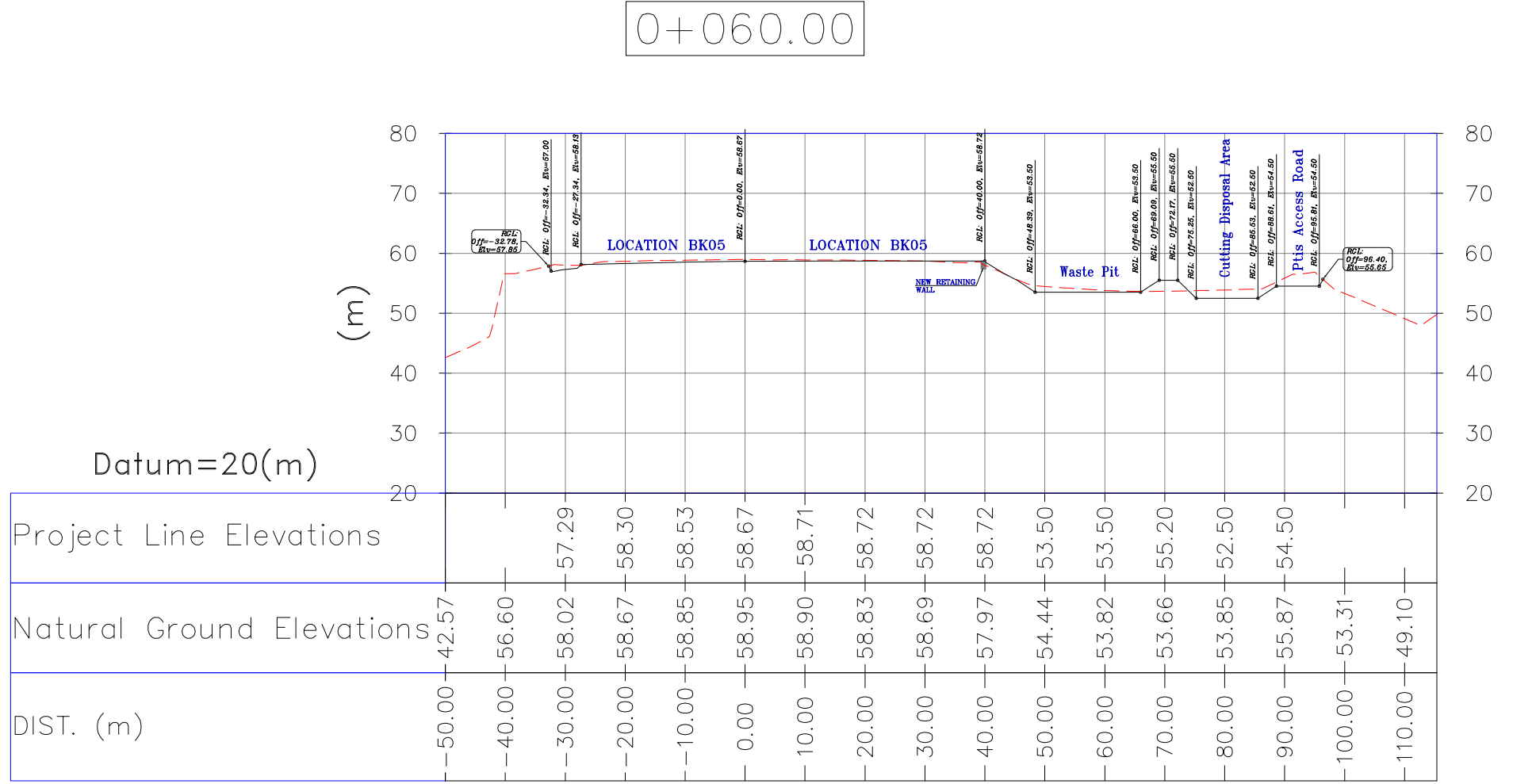


BENCH MARK COORDINATE LIST				
Points	Name	Easting	Northing	Elevation
	BM41	441669.351	3286578.783	62.854
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	GPS1-BK5	441751.134	3286418.338	64.407
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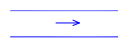

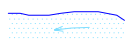



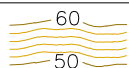




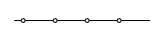







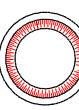










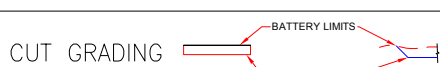

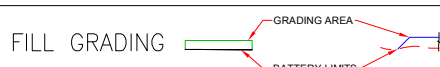
D00	JUN 2023	IPC	R.BERLOUE	M.FAKHARIAN	A.M.MOHSINI	***			
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT			
PROJECT NAME: BINAK OILFIELD DEVELOPMENT /SUB- SURFACE WORK PACKAGES BK05 WHF MODIFICATION									
PROJECT NO.:			971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):						
  HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY						
DRAWING TITLE: Rough Grading Plans –BK05 (CROSS SECTIONS)									
SCALE	SIZE	DRAWING NO.				SHEET NO.		REV.	
1:1000	A1	BK–BK05–PEDCO–110–CV–PY–0003				3 of 5		D00	

NOTES					
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4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES: <ul style="list-style-type: none"> - 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. 					
5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARL,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.					
6-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.					
7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSORL-PEDCO-110-PI-DW-0001					
8-THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009					
9-THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.					
10-THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009					
LEGEND					
		Existing GRAVEL ROAD			CHANNEL
		New GRAVEL ROAD			RIVER
		ASPHALT ROAD			WATER COURSE
		STAIR			CONTOURS
		TRENCH	99,27		SPOT HEIGHT
		EMBANKMENT			BENCH MARK
		OIL LINE			CULVERT
		BURNING PIT LINE			WELL LOCATION
		NEW BURN PIT LINE			
		POWER LINE			WELL
		WATER LINE			BURNPIT
		BUILDING			SITE (LOCATION)
		CONCRETE AREA			
		SEPTIC			DRILLING CONEX AREA
		MANHOLE	+0.21 X		FILL THICKNESS
		POLE	-0.08 X		CUT THICKNESS
		HELIPAD	CUT GRADING		
		EARTH WORK	FILL GRADING		
REFERENCE DRAWING			DRG. No.		
GENERAL CIVIL LAYOUT - BK05			BK-BK05-PEDCO-110-CV-PY-0001		
CIVIL AND STRUCTURAL DRAWINGS - BK05			BK-BK05-PEDCO-110-CV-DW-0001		
Plot Plan Drawing - BK05			BK-BK05-PEDCO-110-PI-PY-0001		
Over Head Line Plan and Profile - BK05			BK-BK05-PEDCO-110-RU-DW-0001		
Geotechnical Investigation Report - BK05			BK-BK05-PEDCO-110-GT-RT-0001		
Specification For Earth Work			BK-GNRL-PEDCO-000-CV-SP-0004		
Standard Drawing For Slope Protection Details			BK-GNRL-PEDCO-000-CV-DW-0002		
Specification For Road & Paving			BK-GNRL-PEDCO-000-CV-SP-0005		
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES			BK-GNRL-PEDCO-000-ST-DW-0012		
Standard Drawing For Fence & Gate Details			BK-GNRL-PEDCO-000-CV-DW-0009		
ABBREVIATIONS					
R.G.L. = ROUGH GRADING LEVEL		F.T. = FUEL TANK		S.R. = SECURITY ROOM	
N.G.L. = NATURAL GROUND LEVEL		S.G. = SWITCH GEAR		W.T. = WATER TANK	
F.G.L. = FINISH GRADING LEVEL		D.G. = DIESEL GENERATOR SHELTER		F.F. = FIRE FIGHTING SHELTER	
KEY PLAN					
SCALE=1:32,000					
<div style="display: flex; justify-content: space-between;"> <div>***</div> <div>*****</div> <div>***</div> <div>*****</div> <div>***</div> <div>*****</div> </div>					
REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
<p>اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.</p> <p>THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF</p> <p style="text-align: center;">N.I.S.O.C./ FIELDS</p>					
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK05 WHF MODIFICATION					
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
053-073-9184	F	4	S	708461	D00

BENCH MARK COORDINATE LIST			
Points Name	Easting	Northing	Elevation
BM41	441669.351	3286578.783	62.854
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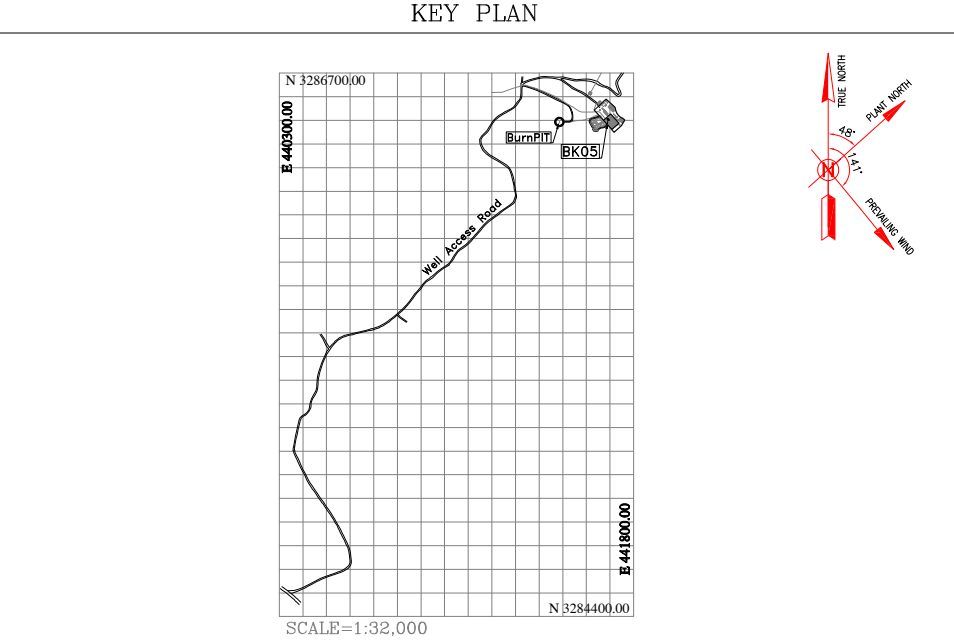


- NOTES**
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LEGEND			
	Existing GRAVEL ROAD		CHANNEL
	New GRAVEL ROAD		RIVER
	ASPHALT ROAD		WATER COURSE
	STAIR		CONTOURS
	TRENCH		SPOT HEIGHT
	EMBANKMENT		BENCH MARK
	OIL LINE		CULVERT
	BURNING PIT LINE		WELL LOCATION
	NEW BURN PIT LINE		
	POWER LINE		WELL
	WATER LINE		BURNPIT
	BUILDING		
	CONCRETE AREA		SITE (LOCATION)
	SEPTIC		DRILLING CONEX AREA
	MANHOLE		FILL THICKNESS
	POLE		CUT THICKNESS
	HELIPAD		CUT GRADING
	EARTH WORK		FILL GRADING

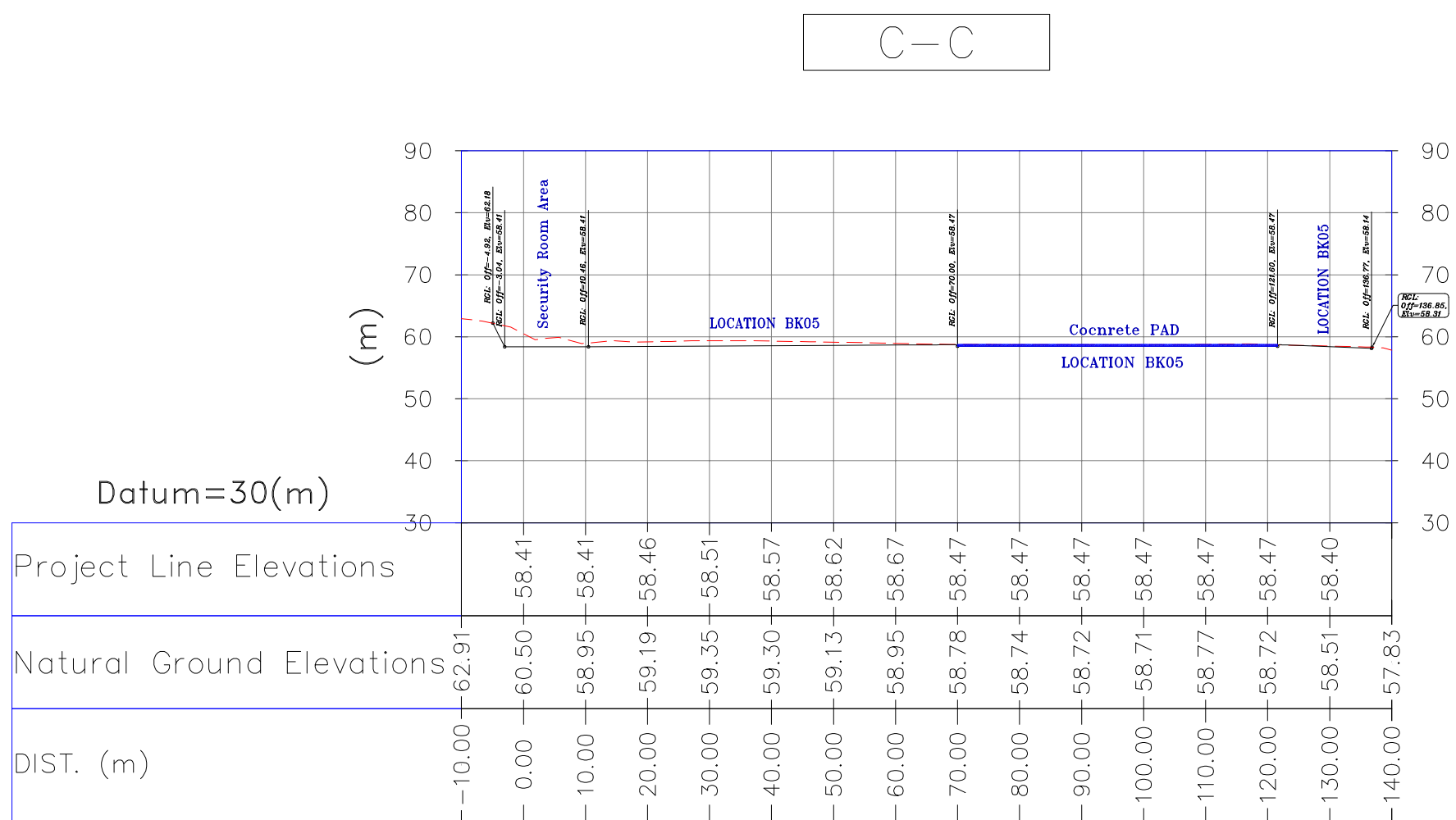
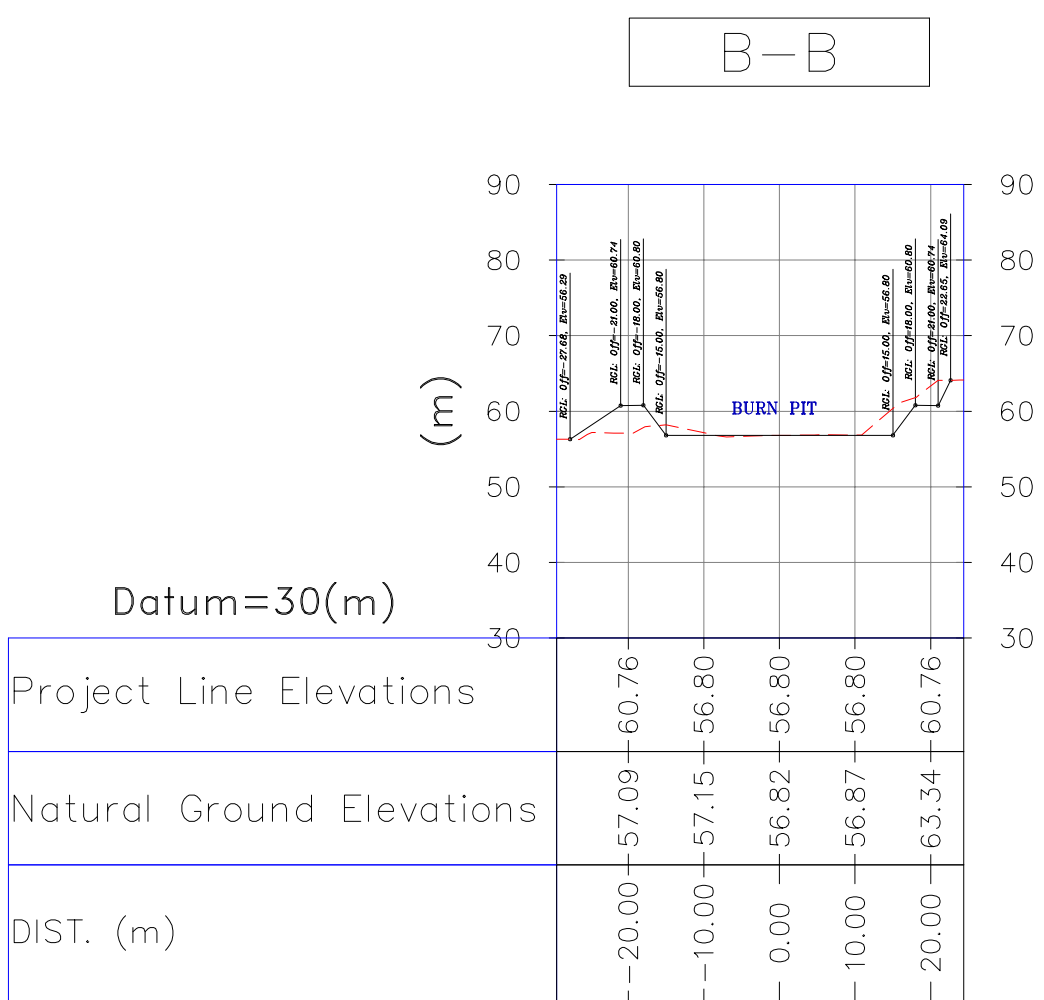
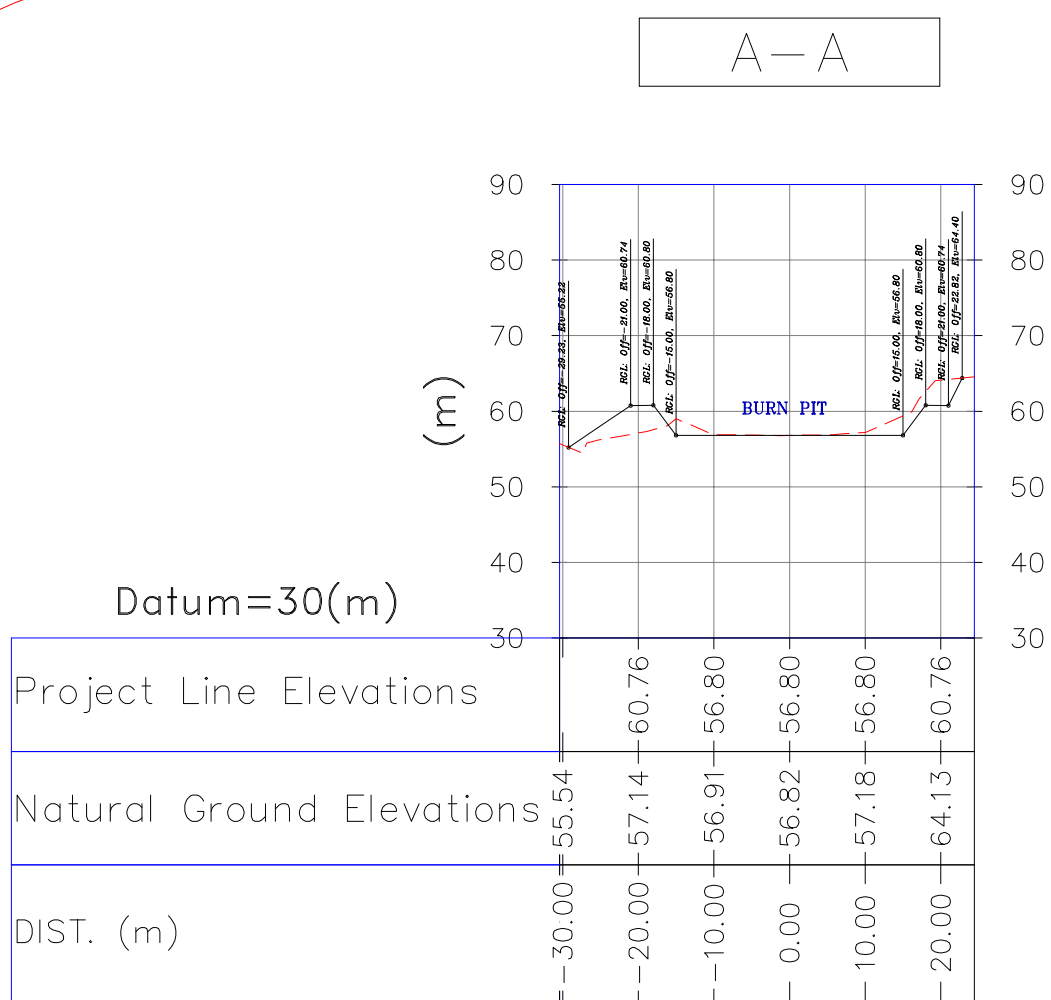
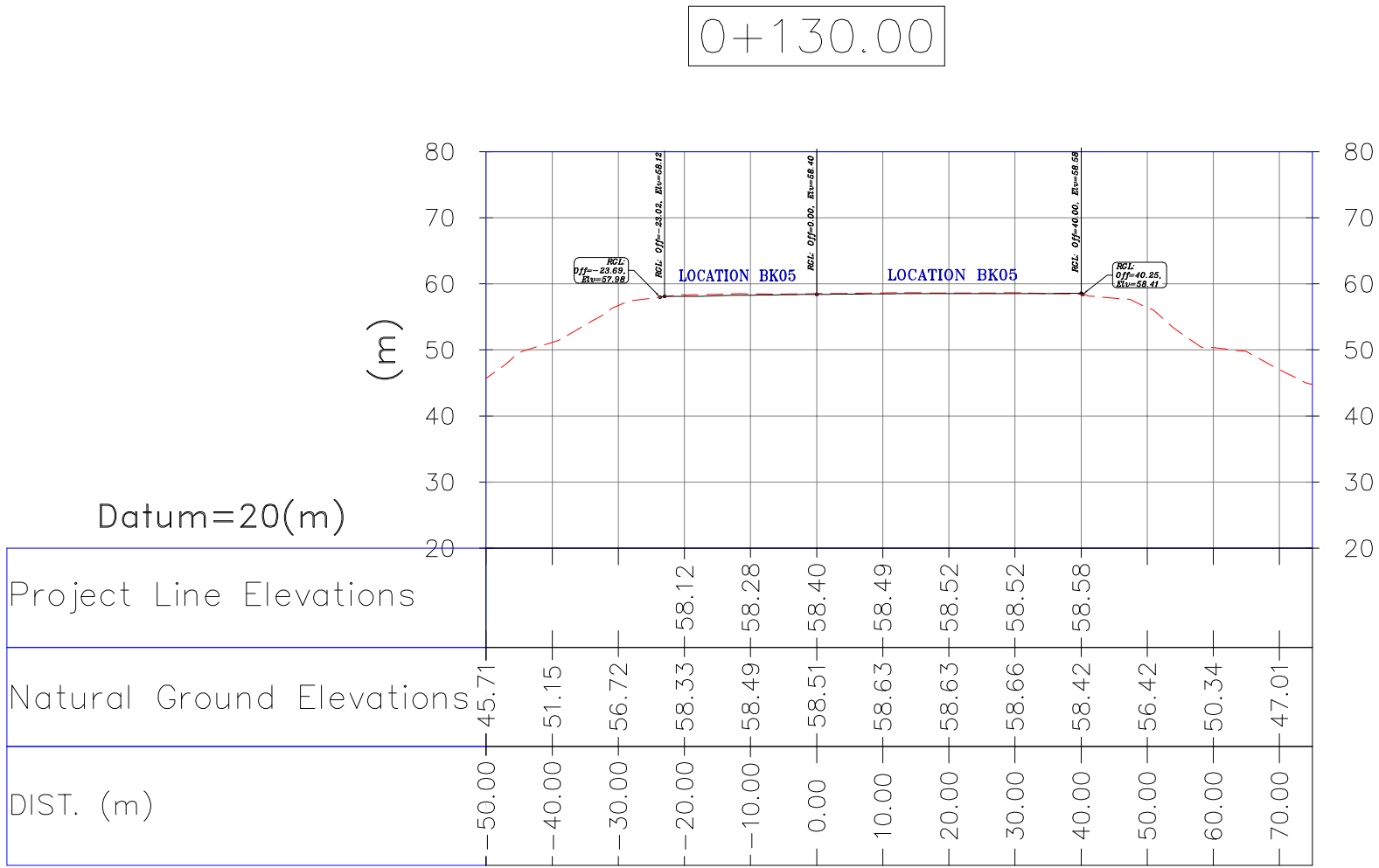
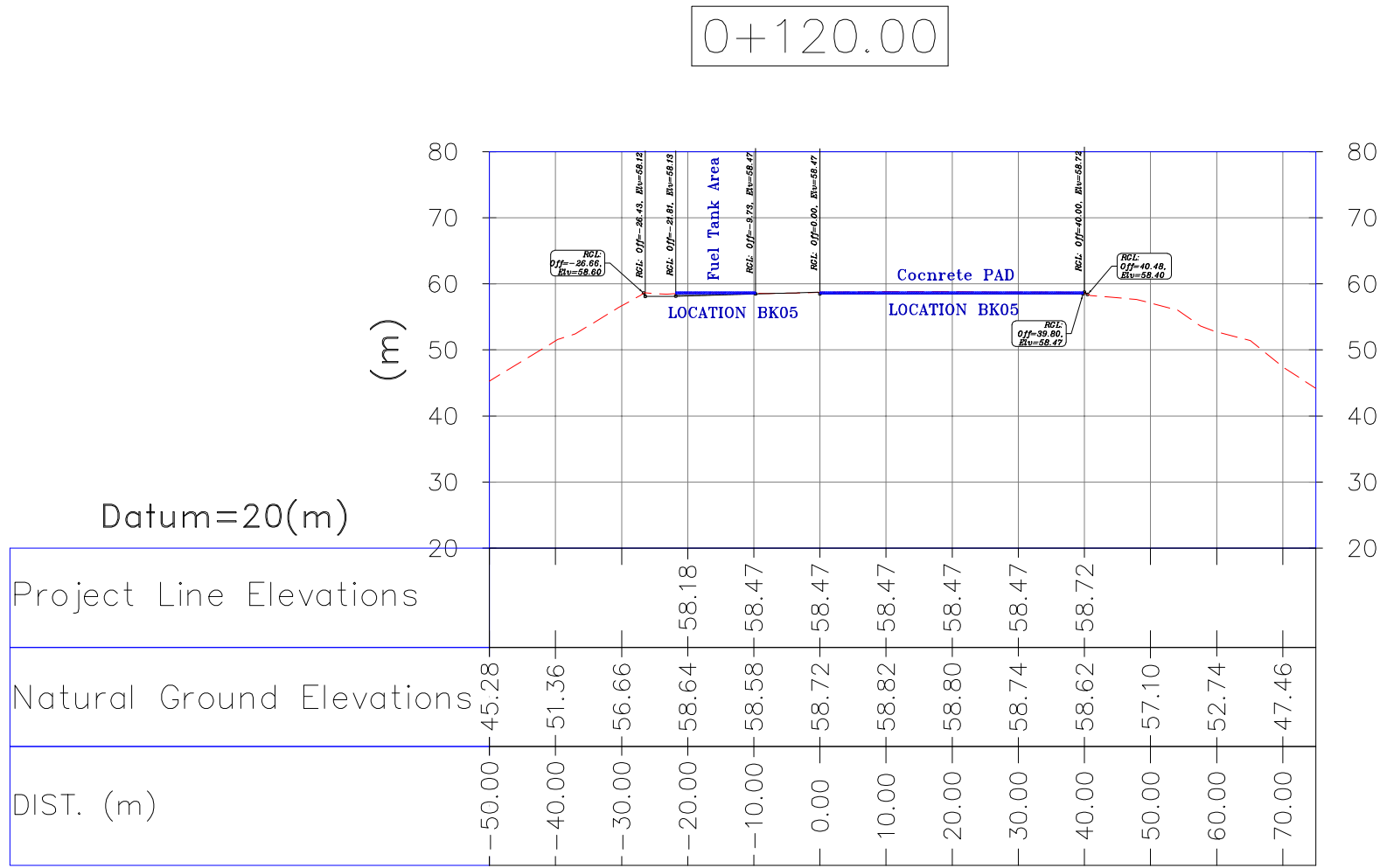
REFERENCE DRAWING	DRG. No.
GENERAL CIVIL LAYOUT -BK05	BK-BK05-PEDCO-110-CV-PY-0001
CIVIL AND STRUCTURAL DRAWINGS -BK05	BK-BK05-PEDCO-110-CV-DW-0001
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Over Head Line Plan and Profile - BK05	BK-BK05-PEDCO-110-SU-DW-0001
Geotechnical Investigation Report - BK05	BK-BK05-PEDCO-110-GT-RP-0001
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0003
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0001
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D00	JUN 2023	IPC	R.BERLOUE	M.FAKHARIAN	A.M.MOHSENI	***	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES 							

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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY:	DATE:	
BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
653-073-9184	F	4	S	708461	4
					D00



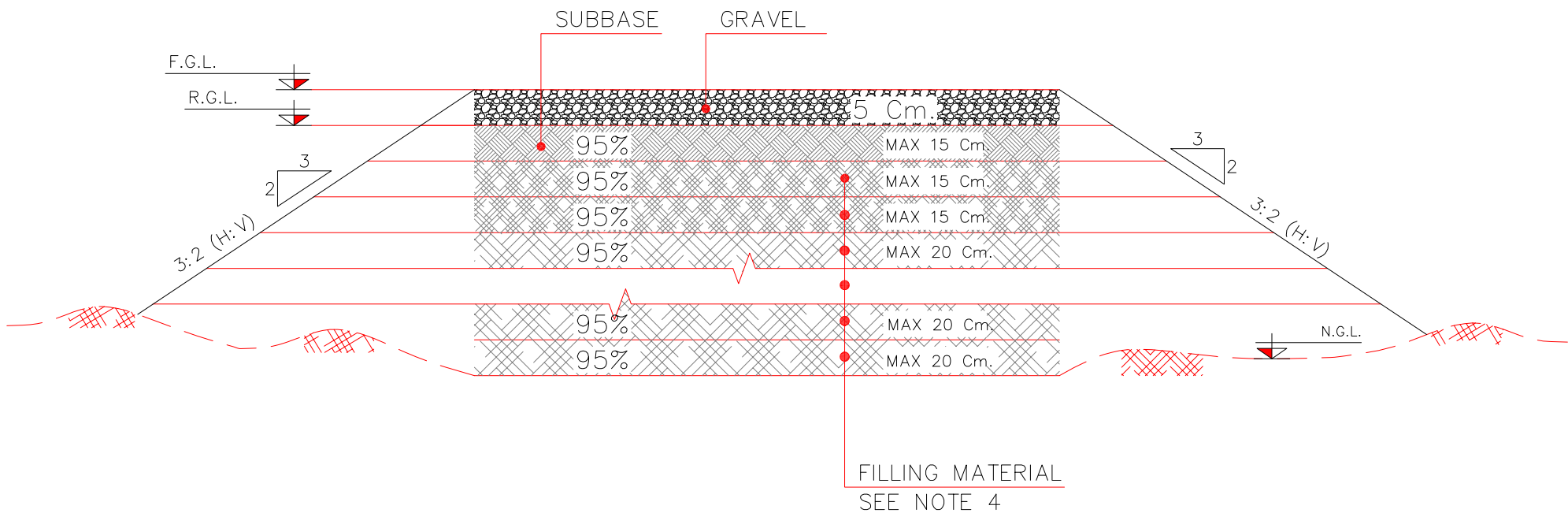
Burn Pit Sections

Cut/Fill Summary				
Name	Cut Factor	Fill Factor	Cut	Fill
ROUGH GRADING (Location, Waste PIT, Cutting Disposal Area & Burn PIT -BK05)	1.000	1.000	7608.08 Cu.M.	2508.34 Cu.M.
			TOTAL=10116.42 Cu.M.	

Cut and Fill Volume Table

Station	Northing	Easting
0+000	441655.87	3286578.69
0+010	441662.55	3286571.25
0+020	441649.19	3286586.13
0+030	441669.23	3286563.81
0+040	441682.59	3286548.93
0+050	441689.28	3286541.49
0+060	441695.96	3286534.04
0+070	441702.64	3286526.60
0+080	441709.32	3286519.16
0+090	441716.00	3286511.72
0+100	441722.68	3286504.28
0+110	441729.36	3286496.84
0+120	441736.04	3286489.40
0+130	441742.72	3286481.96
0+140	441749.41	3286474.52

Center Line Coordinates (UTM)






ROUGH GRADING FILL TYPICAL SECTION (LOCATION)

Sc. N.T.S

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: MEAN SEA LEVEL	
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-GNRL-PEDCO-000-CV-SP-0004". - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.	
5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.	
6-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.	
7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001	
8-THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009	
9-THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.	
10-THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009	
LEGEND	
Existing GRAVEL ROAD	CHANNEL
New GRAVEL ROAD	RIVER
ASPHALT ROAD	WATER COURSE
STAIR	CONTOURS
TRENCH	SPOT HEIGHT
EMBANKMENT	BENCH MARK
OIL LINE	CULVERT
BURNING PIT LINE	WELL LOCATION
NEW BURN PIT LINE	WELL
POWER LINE	BURNPIT
WATER LINE	
BUILDING	SITE (LOCATION)
CONCRETE AREA	DRILLING CONEX AREA
SEPTIC	
MANHOLE	FILL THICKNESS
POLE	CUT THICKNESS
HELIPAD	CUT GRADING
EARTH WORK	FILL GRADING

REFERENCE DRAWING		DRG. No.
GENERAL CIVIL LAYOUT -BK05		BK-BK05-PEDCO-110-CV-PY-0001
CIVIL AND STRUCTURAL DRAWINGS -BK05		BK-BK05-PEDCO-110-CV-DW-0001
Plot Plan Drawing - BK05		BK-BK05-PEDCO-110-PI-PY-0001
Over Head Line Plan and Profile - BK05		BK-BK05-PEDCO-110-SU-DW-0001
Geotechnical Investigation Report - BK05		BK-BK05-PEDCO-110-GT-RP-0001
Specification For Earth Work		BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details		BK-GNRL-PEDCO-000-CV-DW-0002
Specification For Road & Paving		BK-GNRL-PEDCO-000-CV-SP-0002
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES		BK-GNRL-PEDCO-000-ST-DW-0002
Standard Drawing For Fence & Gate Details		BK-GNRL-PEDCO-000-CV-DW-0009
ABBREVIATIONS		
R.G.L. = ROUGH GRADING LEVEL	F.T. = FUEL TANK	
N.G.L. = NATURAL GROUND LEVEL	S.R. = SECURITY ROOM	
F.G.L. = FINISH GRADING LEVEL	S.G. = SWITCH GEAR	
	W.T. = WATER TANK	
	D.G. = DIESEL GENERATOR SHELTER	
	F.P. = FIRE FIGHTING SHELTER	
KEY PLAN		

BENCH MARK COORDINATE LIST			
Points Name	Easting	Northing	Elevation
BM41	441669.351	3286578.783	62.854
GPS7	441342.220	3286602.041	75.411
GPS1-BK5	441751.134	3286418.338	64.407
GPS6-BK5	441552.844	3286457.422	63.624

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D00	JUN 2023	IPC	R.BERLOUE	M.FAKHARIAN	A.M.MOHSENI	***	REV.	DESCRIPTION	BY	DATE	BY	DATE			
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.			CHECKED		REV.	APPR.			
PROJECT NAME:							امحل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.								
BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK05 WHF MODIFICATION							 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS								
PROJECT NO.: 971020															
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):				BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK05 WHF MODIFICATION								
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY												
DRAWING TITLE:							DATE		SCALE		DRAWING BY		CHECKED BY	PROJECT ENG.	
Rough Grading Plans –BK05 (CROSS 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		
1:1000	A1	BK-BK05-PEDCO-110-CV-PY-0003			5 OF 5	D00	053-073-9184	F	4	S	708461	5	D00		