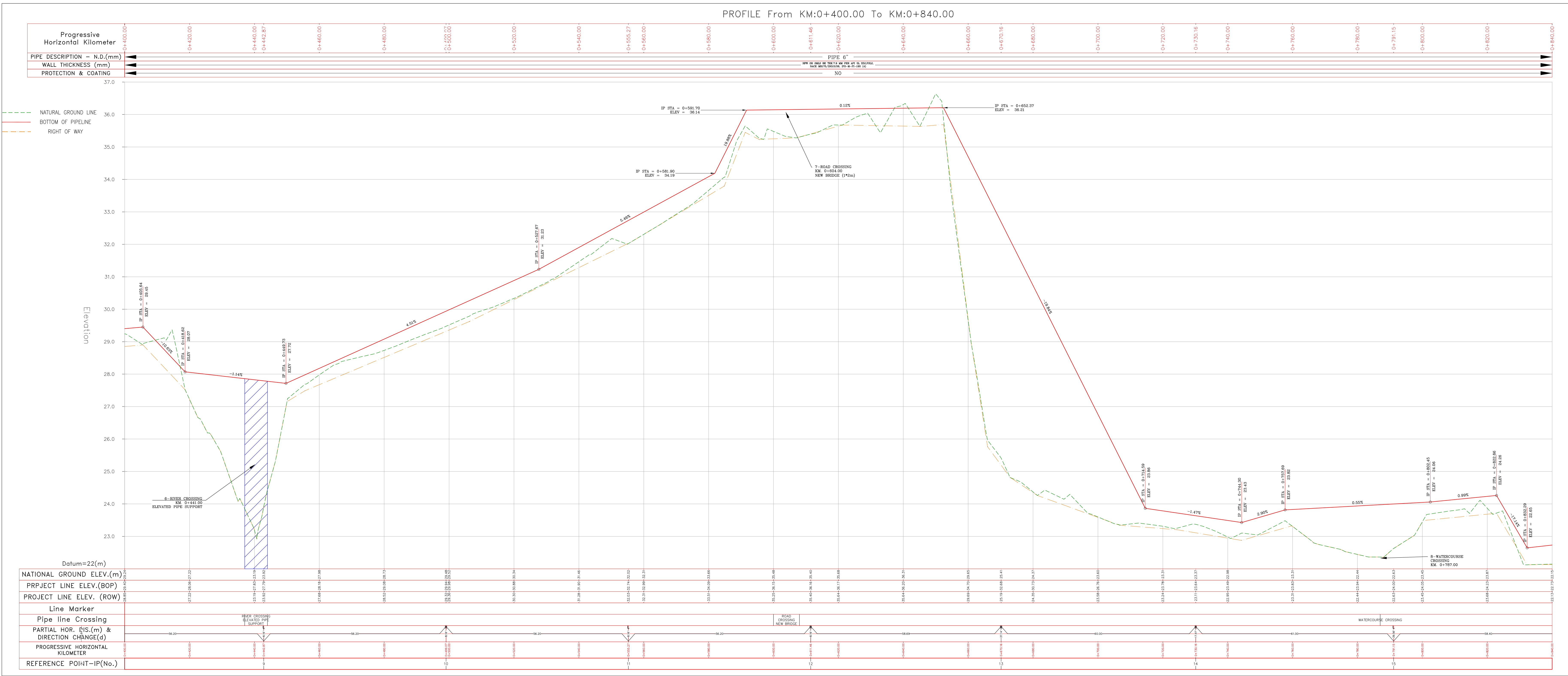
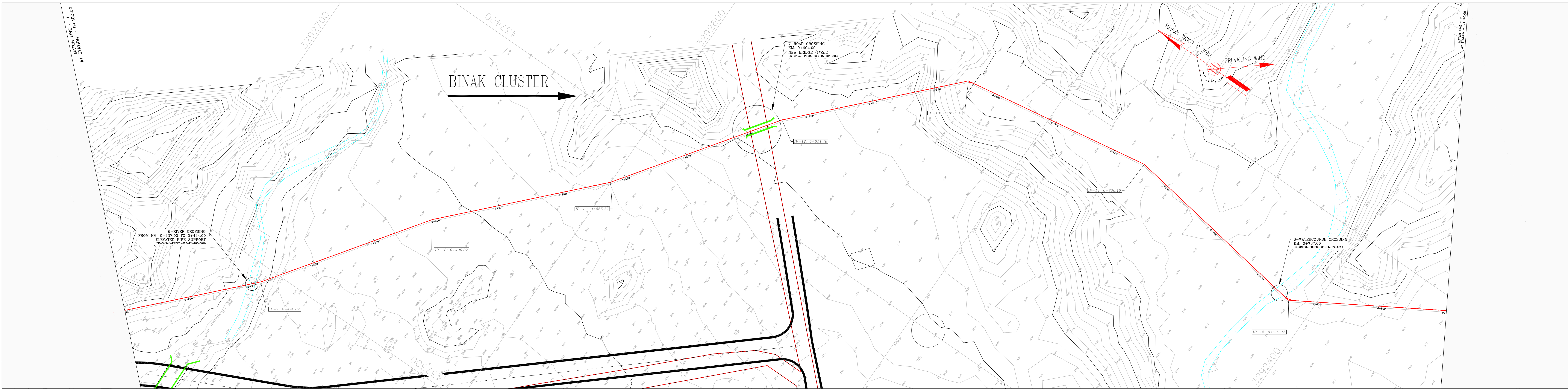




Crossing List						Coordinate of Bench Marks (UTM)				COORDINATES OF INTERSECTION POINTS (UTM)											
Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
6	RIVER CROSSING	0+437.00	0+444.00	BK-QNRAL-PEDCO-000-PL-DW-0010	ELEVATED PIPE SUPPORT	BM12	3292567.901	437294.141	35.395	IP9	0+442.87	3292671.23	437295.26	IP10	0+499.07	3292638.72	437341.09	IP11	0+555.37	3292600.03	437381.85
7	ROAD CROSSING	0+600.00	0+608.00	BK-QNRAL-PEDCO-000-CV-DW-0014	New Bridge 1*2m					IP12	0+611.46	3292567.51	437427.69	IP13	0+670.16	3292527.11	437470.25	IP14	0+730.16	3292467.90	437480.00
8	WATERCOURSE CROSSING	0+787.00		BK-QNRAL-PEDCO-000-PL-DW-0010						IP15	0+791.15	3292407.60	437470.85								
						Bill of Materials															
						1	PIPE LINE 6"		440 (m)												

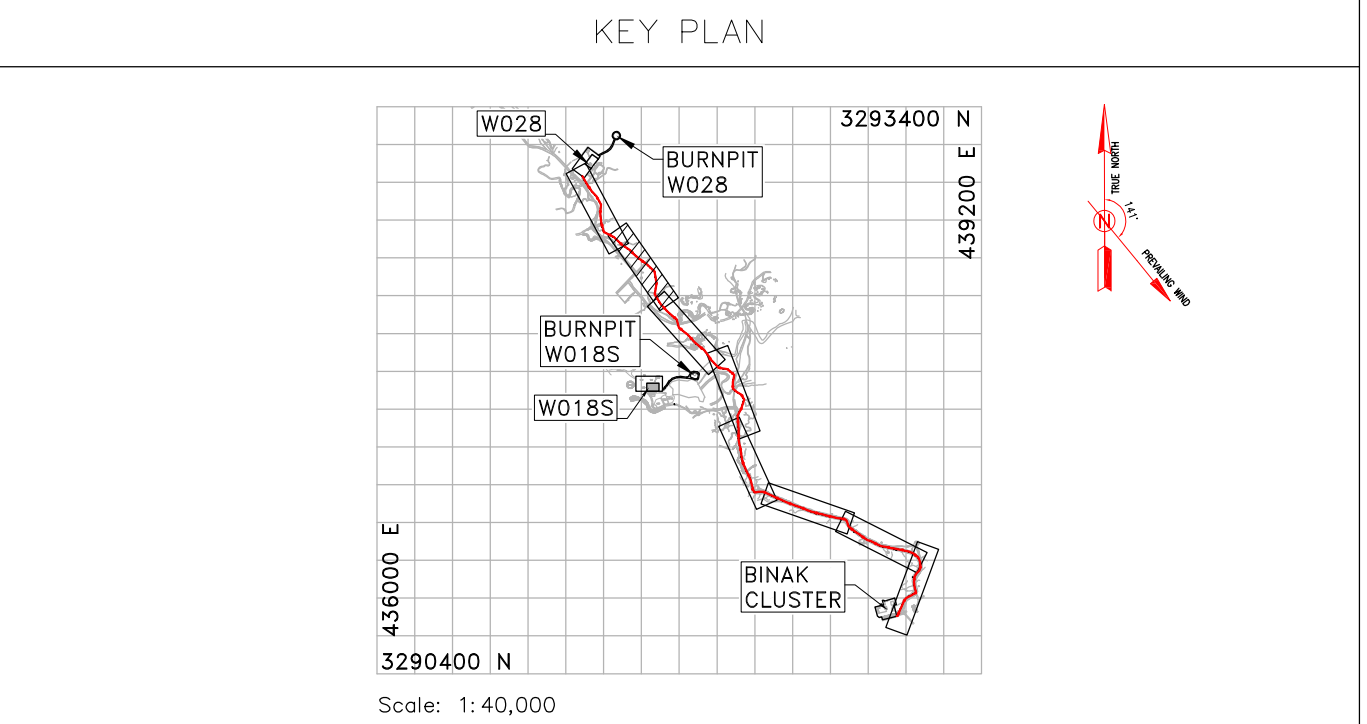
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MEAN SEA LEVEL
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 - 7- THE EXACT LOCATION AND NUMBER OF SUPPORT OF HILLSIDE ANCHORS SHALL BE ADJUSTED & CONFIRMED BY THE CLIENT REPRESENTATIVE AT SITE

WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
W028 (BANGESTAN)	296.38 / 295.655	API 3000	3407.35 m	6 inch

ABBREVIATIONS	
N.G.L.=Natural Ground Level	AR=Asphalt Road
B.O.P.L=Bottom of Pipe Level	GR=Gravel Road
R.O.W.L=Right of Way Level	PLC=Pipe Line Corridor
PC=Pipe Line Crossing	PL=Pipe Line
OF=Optical Fiber	CH=Channel
B.M.=Bench Mark	

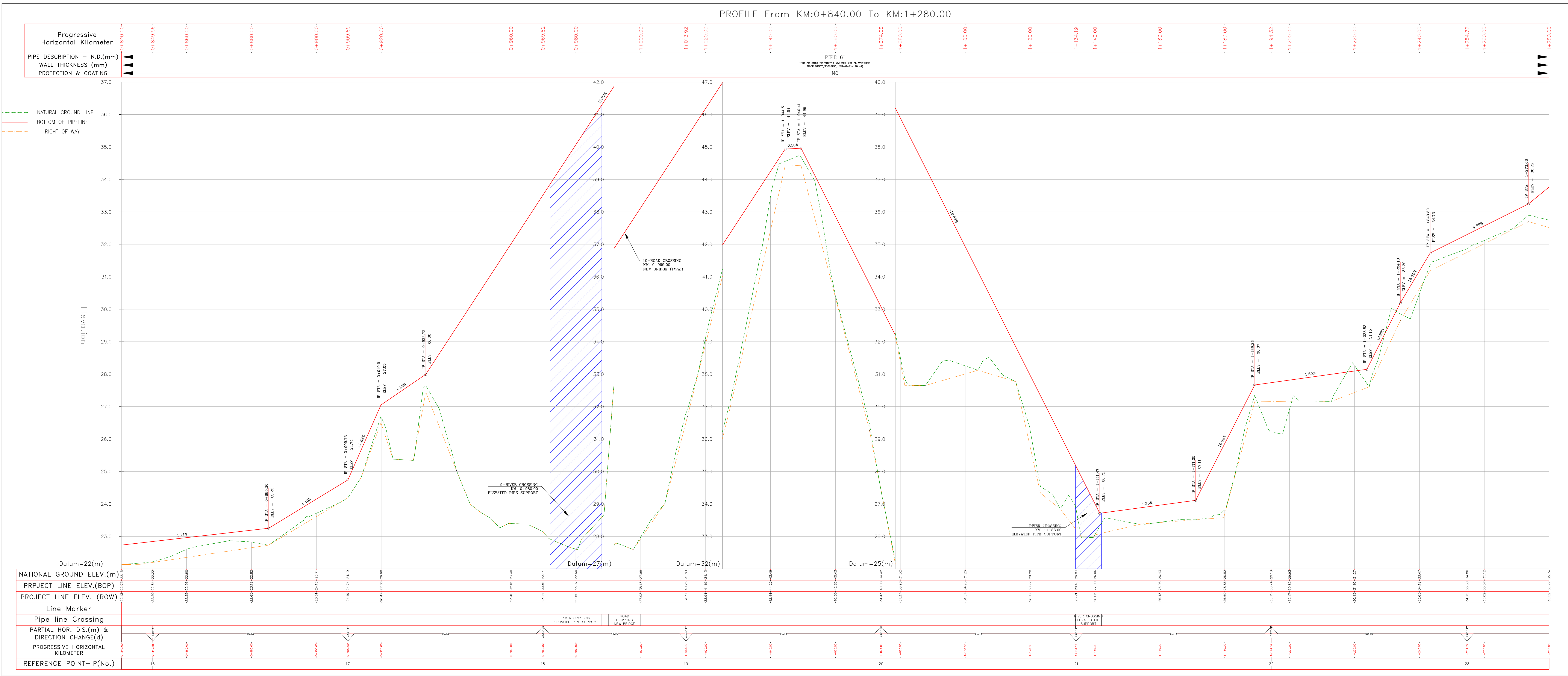
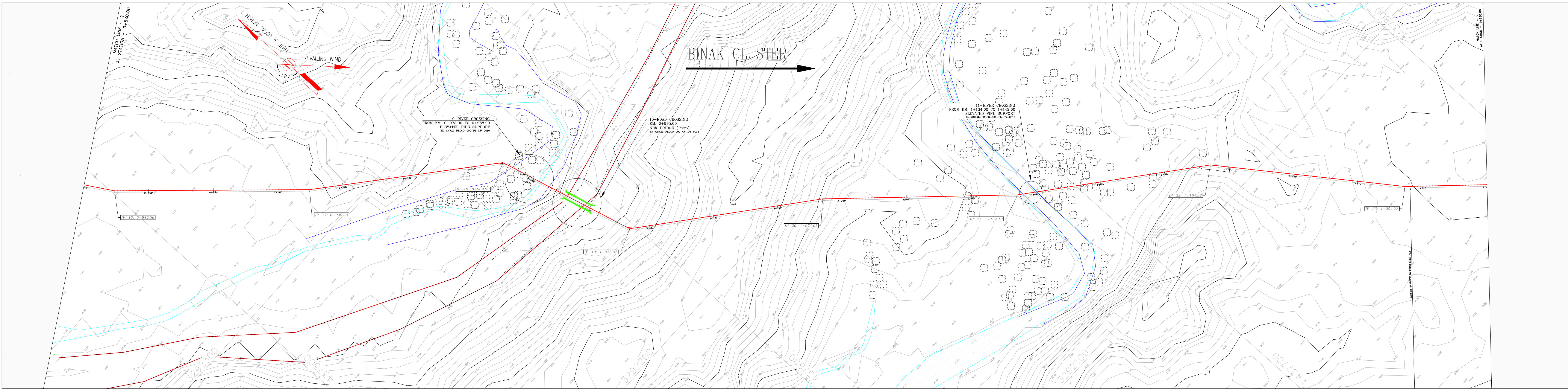
LEGEND	
Existing GRAVEL ROAD	CHANNEL
New GRAVEL ROAD	RIVER
ASPHALT ROAD	WATER COURSE
STAIR	CONTOURS
TRENCH	SPOT HEIGHT
EMBANKMENT	TRIG POINT
FENCE	CULVERT
BURNING PIT LINE	WELL LOCATION
WATER LINE	WELL
BUILDING	SITE
CONCRETE AREA	CAMP SITE
SEPTIC	
MANHOLE	
POLE	
HELIPAD	
Existing OIL Pipe Line	
New OIL Pipe Line	
GAS Pipe Line (UG)	

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Civil and Structural drawings -W028	BK-W028-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W028	BK-W028-PEDCO-110-PH-DW-0001
Piping Plan - W028	BK-W028-PEDCO-110-PH-DW-0002
Standard Drawing For A/G Pipeline Road Crossing	BK-QNRAL-PEDCO-000-PL-DW-0005
Standard Drawing For Existing Pipeline Crossing	BK-QNRAL-PEDCO-000-PL-DW-0006
Standard Drawing For Above Ground Pipeline Construction R.O.W	BK-QNRAL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-QNRAL-PEDCO-000-CV-DW-0004
Pipeline Standard Drawing For Cover Slabs And Set-On-Weight	BK-QNRAL-PEDCO-000-PL-DW-0013
Pipeline Standard Drawing For River Crossing	BK-QNRAL-PEDCO-000-PL-DW-0014
Pipeline Standard Drawing For Anchor Support	BK-QNRAL-PEDCO-000-PL-DW-0004
Pipeline Standard Drawing For H-Pipe Support	BK-QNRAL-PEDCO-000-PL-DW-0010
Specification For Pipeline Cold Bending	BK-QNRAL-PEDCO-000-SP-0003
Standard Drawing For Concrete Continues Weight	BK-QNRAL-PEDCO-000-CV-DW-0010



D01	MAR.2023	IFA	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
D00	AUG.2022	IFC	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES						
PROJECT NO.:			971020			
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: Flow line Plan & Profile Drawings – W028						
SCALE	SIZE	DRAWING NO.			SHEET NO.	RE
H=1:500 V=1:50	A0	BK-W028-PEDCO-110-SU-DW-0001			02 of 08	D01

***	*****	**	*****	**	*****
REV.	DESCRIPTION	BY	DATE	BY	DATE
CHECKED					
REV. APPR.					
اصل و کپیہ نسخہ این نقشہ و سنی الکتابی متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.					
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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
053-073-9184	F	4	A	707555	02
					D01



Crossing List						Coordinate of Bench Marks (UTM)				COORDINATES OF INTERSECTION POINTS (UTM)											
Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
9	RIVER CROSSING	0+972.00	0+988.00	BK-GNRL-PEDCO-000-PL-DW-0010	ELEVATED PIPE SUPPORT	BM7U	3291906.262	437563.762	41.733	IP16	0+849.56	3292357.50	437500.88								
										IP17	0+909.69	3292313.02	437541.55								
										IP18	0+969.82	3292274.30	437587.56								
										IP19	1+013.92	3292231.59	437598.32								
10	ROAD CROSSING	0+990.00	1+000.00	BK-GNRL-PEDCO-000-CV-DW-0014	New Bridge 1*2m					IP20	1+074.06	3292193.55	437644.89								
										IP21	1+134.19	3292149.66	437686.00								
										IP22	1+194.32	3292111.62	437735.97								
11	RIVER CROSSING	1+134.00	1+142.00	BK-GNRL-PEDCO-000-PL-DW-0010	ELEVATED PIPE SUPPORT					IP23	1+254.72	3292062.53	437767.76								

D01	MAR.2023	IFA	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
D00	AUG.2022	IFC	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HURGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: Flow line Plan & Profile Drawings – W028						
SCALE	SIZE	DRAWING NO.			SHEET NO.	RE
H=1:500 V=1:50	A0	BK–W028–PEDCO–110–SU–DW–0001			03 OF 08	D01

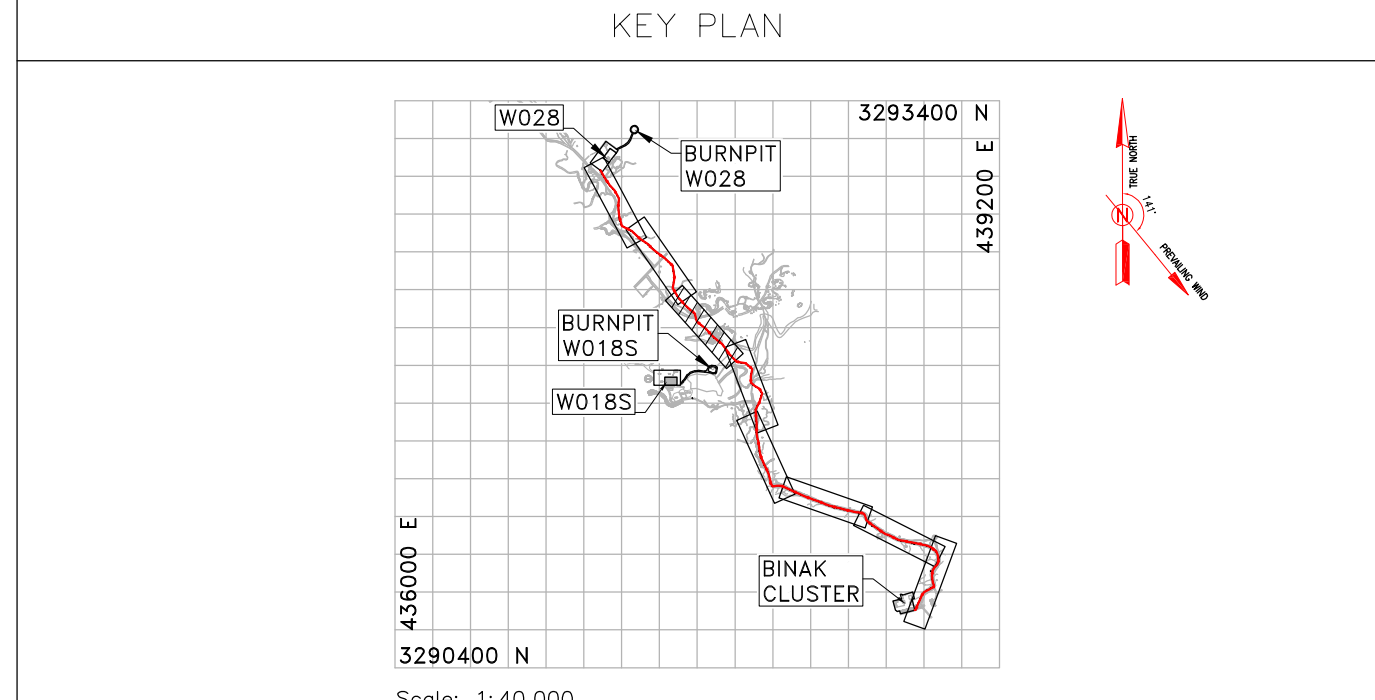
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VERTICAL DATUM: MEAN SEA LEVEL
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WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
W028 (BANGESTAN)	296.38 / 295.655	API 3000	3407.35 m	6 inch

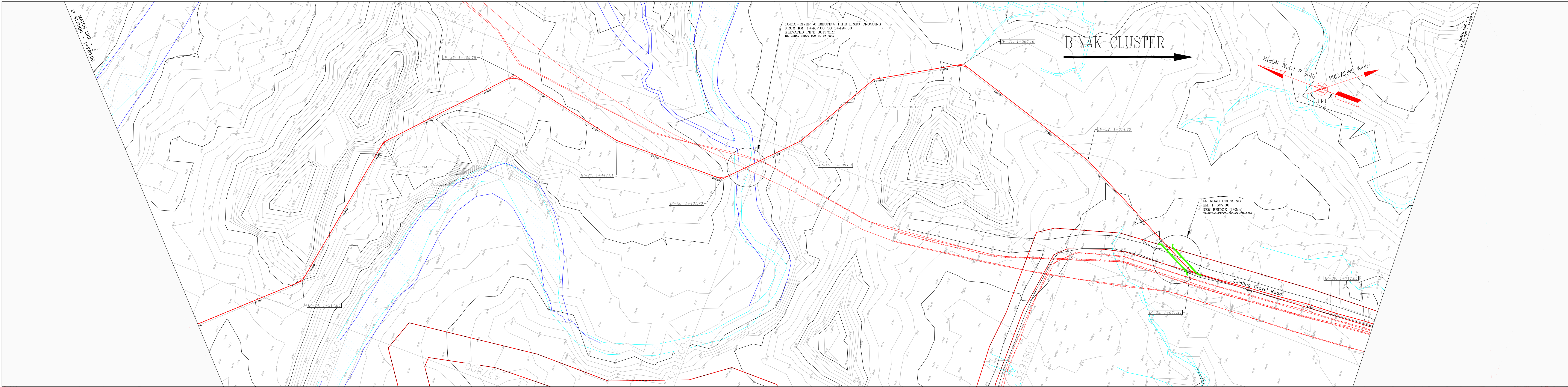
ABBREVIATIONS	
N.G.L.=Natural Ground Level	AR=Asphalt Road
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LEGEND	
Existing GRAVEL ROAD	CHANNEL
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CONCRETE AREA	CAMP SITE
SEPTIC	
MANHOLE	
POLE	
HELIPAD	
Existing Oil Pipe Line	
New Oil Pipe Line	
GAS Pipe Line (UG)	

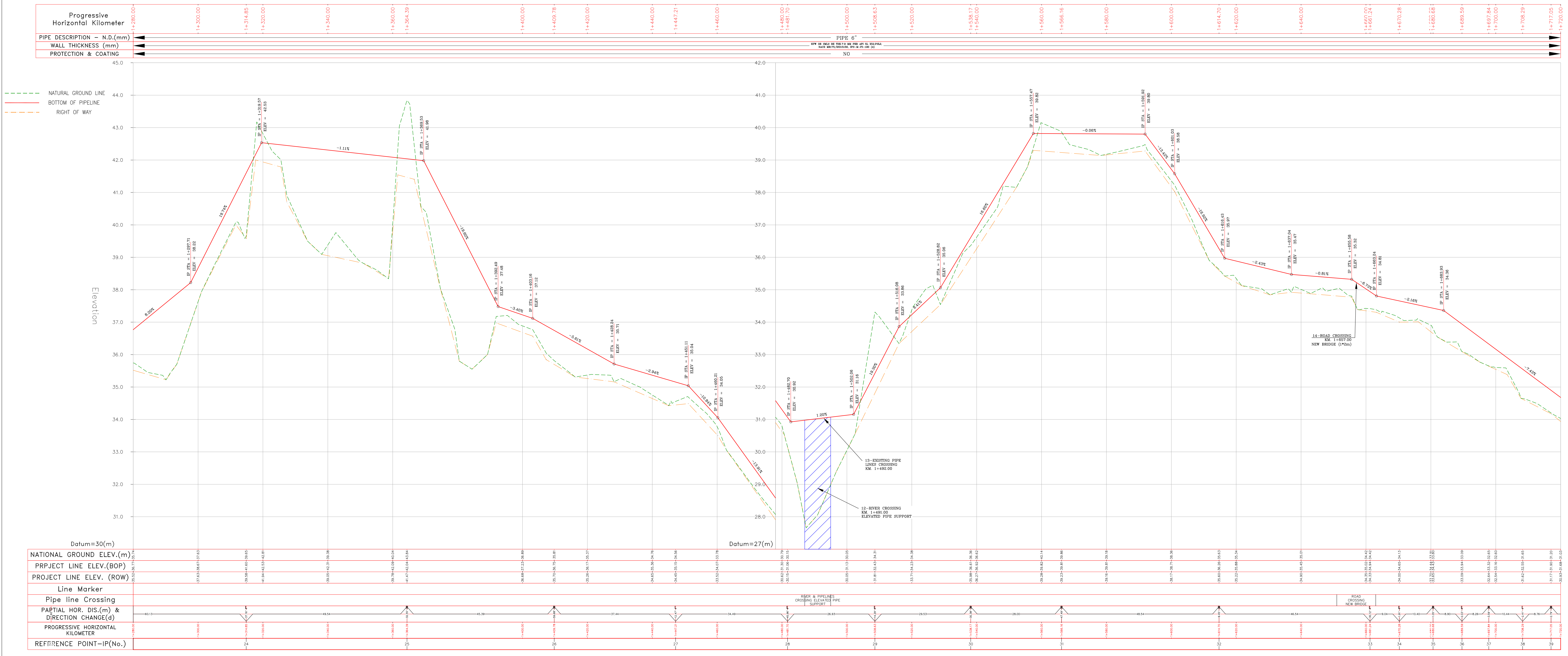
REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Civil and Structural drawings -W028	BK-W028-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W028	BK-W028-PEDCO-110-PH-DW-0001
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Specification For Pipeline Cold Bending	BK-GNRL-PEDCO-000-PL-SP-0003
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***	*****	**	*****	**	*****
REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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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
053-073-9184	F	4	A	707555	03
					D01



PROFILE From KM:1+280.00 To KM:1+720.00



Crossing List						Coordinate of Bench Marks (UTM)				COORDINATES OF INTERSECTION POINTS (UTM)											
Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
12	RIVER CROSSING	1+487.00	1+495.00	BK-GNRL-PEDCO-000-PL-DW-0010	ELEVATED PIPE SUPPORT	BM6	3291773.255	437781.248	42.141	IP24	1+314.85	3292018.72	437808.95								
										IP25	1+364.39	3292010.45	437857.79								
										IP26	1+409.78	3291979.99	437891.43								
										IP27	1+447.21	3291943.35	437883.75								
										IP28	1+481.70	3291908.86	437884.12								
										IP29	1+508.63	3291890.35	437903.69								
13	EXISTING PIPELINES CROSSING	1+489.00	1+495.00							IP30	1+538.17	3291875.97	437929.49								
										IP31	1+566.16	3291851.85	437943.69								
										IP32	1+614.70	3291805.44	437929.50								
14	ROAD CROSSING	1+651.00	1+663.00	BK-GNRL-PEDCO-000-CV-DW-0014	New Bridge 1+2m					IP33	1+661.24	3291763.77	437909.76								
										IP34	1+670.28	3291754.75	437909.34								
										IP35	1+680.68	3291744.40	437910.35								
										IP36	1+689.59	3291735.52	437911.05								
										IP37	1+697.84	3291727.32	437911.99								
										IP38	1+708.29	3291716.89	437912.53								
										IP39	1+717.05	3291706.16	437913.54								

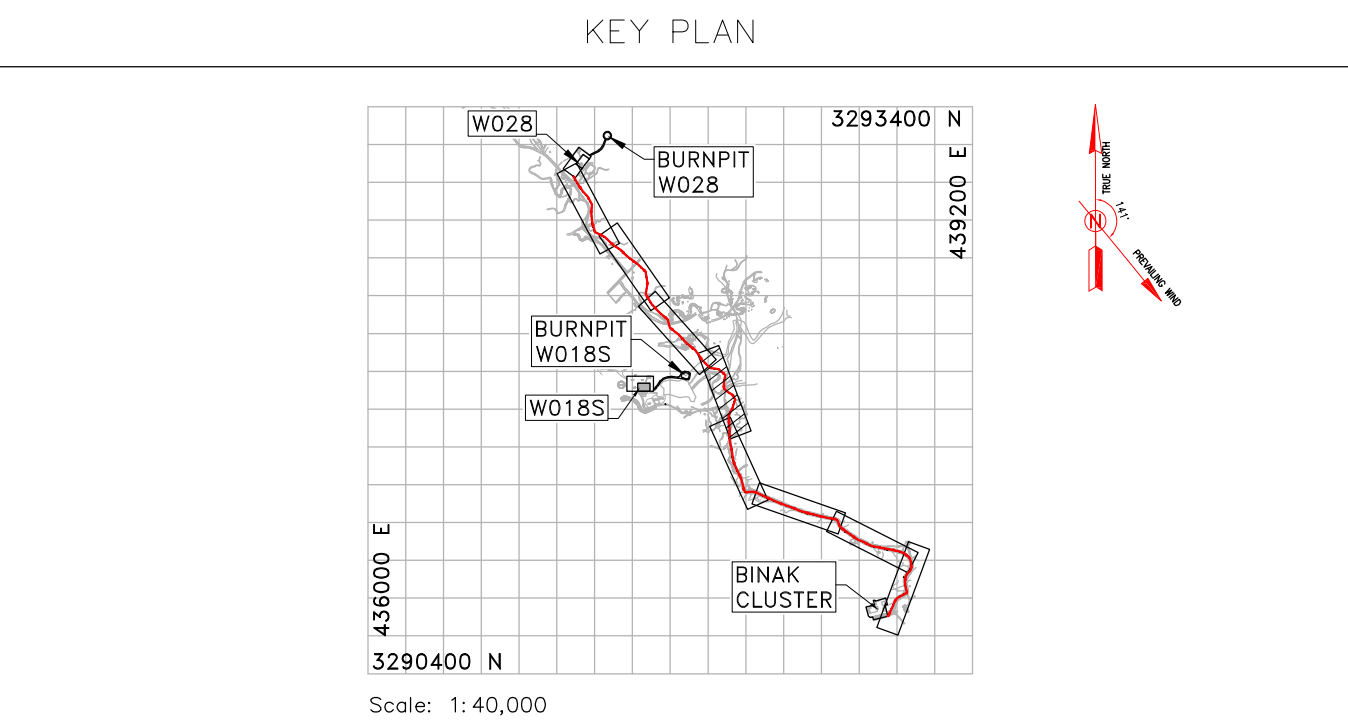
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WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
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ABBREVIATIONS	
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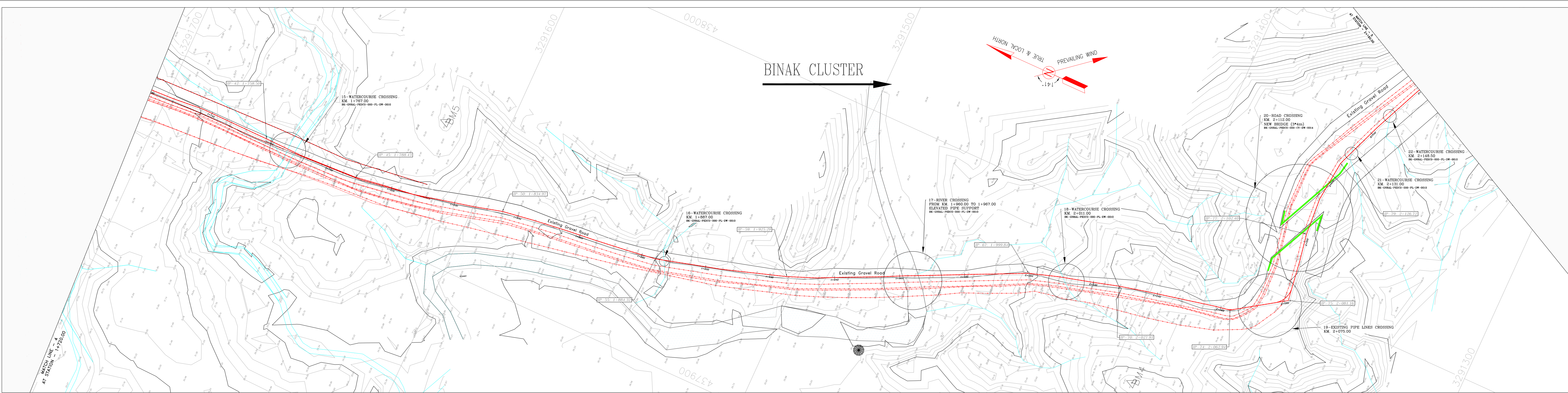
LEGEND	
Existing GRAVEL ROAD	CHANNEL
New GRAVEL ROAD	RIVER
ASPHALT ROAD	WATER COURSE
STAIR	CONTOURS
TRENCH	SPOT HEIGHT
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MANHOLE	
POLE	
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Existing Oil Pipe Line	
New Oil Pipe Line	
GAS Pipe Line (UG)	

REFERENCE DRAWING	DRG. No.
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Specification For Pipeline Cold Bending	BK-GNRL-PEDCO-000-PL-SP-0003
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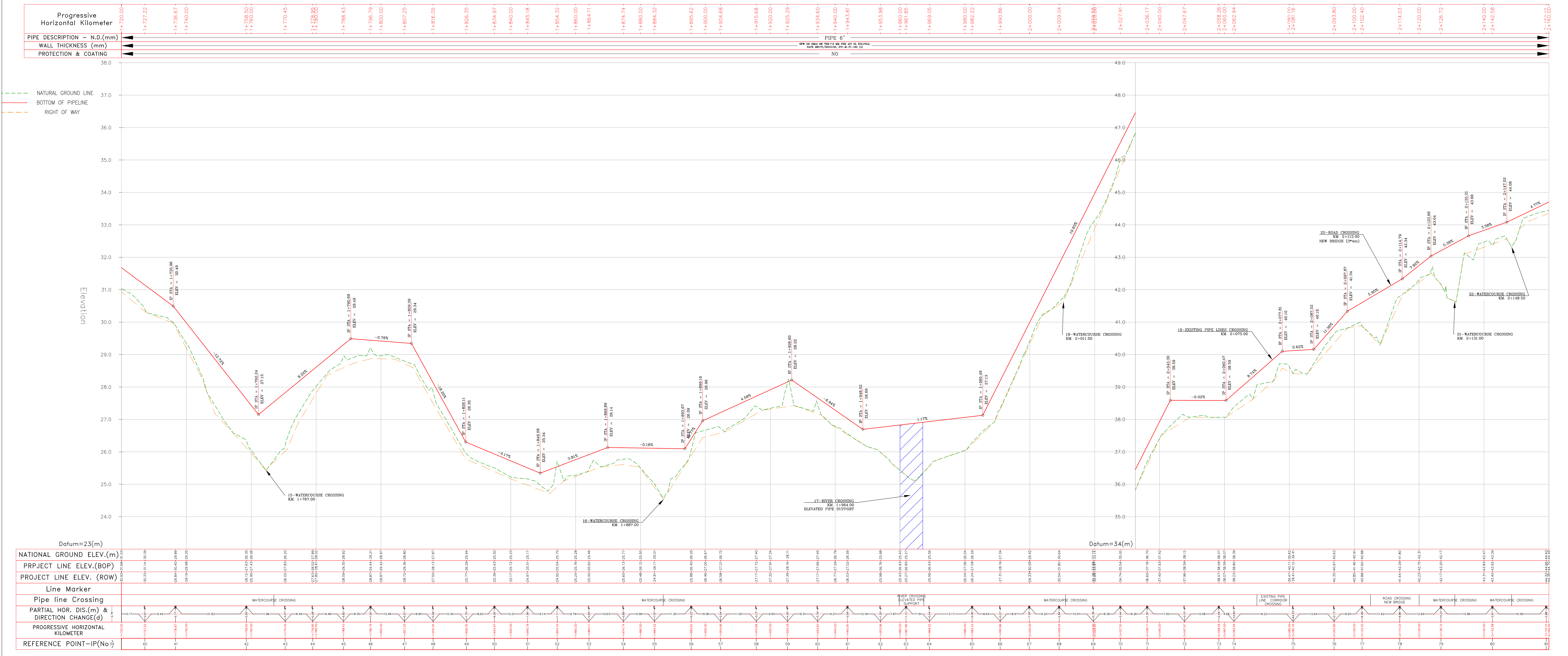


D01	MAR.2023	IFA	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
D00	AUG.2022	IFC	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HURGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: Flow line Plan & Profile Drawings – W028						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
H=1:500 V=1:50	A0	BK-W028-PEDCO-110-SU-DW-0001			04 OF 08	D01

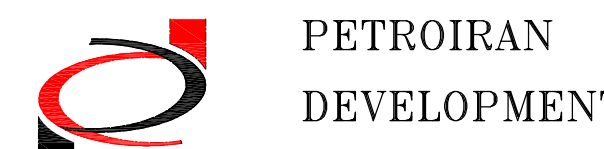
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REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET
053-073-9184	F	4	A	707555	04
					D01



PROFILE From KM:1+720.00 To KM:2+160.00



Crossing List					Coordinate of Bench Marks (UTM)				COORDINATES OF INTERSECTION POINTS (UTM)												
Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
15	WATERCOURSE CROSSING	1+767.00		BK-QNRL-PEDCO-000-PL-DW-0010		BM4	3291392.787	437956.401	41.867	IP40	1+727.22	3291698.00	437913.80	IP67	1+999.84	3291435.70	437973.96				
16	WATERCOURSE CROSSING	1+887.00		BK-QNRL-PEDCO-000-PL-DW-0010		BM5	3291618.584	437942.082	33.354	IP41	1+736.67	3291688.59	437914.65	IP68	2+009.04	3291426.95	437976.81				
17	RIVER CROSSING	1+960.00	1+967.00	BK-QNRL-PEDCO-000-PL-DW-0010	ELEVATED PIPE SUPPORT					IP42	1+750.50	3291666.77	437914.43	IP69	2+019.55	3291416.81	437979.57				
18	WATERCOURSE CROSSING	2+011.00		BK-QNRL-PEDCO-000-PL-DW-0010						IP43	1+770.45	3291654.81	437914.19	IP70	2+027.91	3291408.77	437981.87				
19	EXISTING PIPE LINE CORRIDOR CROSSING	2+070.00	2+080.00							IP44	1+778.95	3291646.33	437914.55	IP71	2+036.17	3291400.74	437983.81				
20	ROAD CROSSING	2+105.00	2+120.00	BK-QNRL-PEDCO-000-CV-DW-0014	New Bridge 34m					IP45	1+788.43	3291636.85	437915.00	IP72	2+047.67	3291389.50	437986.25				
21	WATERCOURSE CROSSING	2+131.00		BK-QNRL-PEDCO-000-PL-DW-0010						IP46	1+796.79	3291628.59	437915.24	IP73	2+058.26	3291379.16	437988.52				
22	WATERCOURSE CROSSING	2+148.50		BK-QNRL-PEDCO-000-PL-DW-0010						IP47	1+807.25	3291618.22	437917.81	IP74	2+062.94	3291374.55	437989.33				
Bill of Materials										IP48	1+816.05	3291609.64	437919.60	IP75	2+081.16	3291359.40	437999.45				
										IP49	1+826.35	3291599.61	437921.94	IP76	2+093.80	3291341.22	438011.86				
										IP50	1+834.97	3291591.28	437924.15	IP77	2+102.40	3291362.78	438020.42				
										IP51	1+845.18	3291581.19	437926.68	IP78	2+114.03	3291363.57	438032.02				
										IP52	1+854.32	3291572.12	437926.81	IP79	2+126.72	3291362.26	438044.65				
										IP53	1+864.11	3291562.38	437927.83	IP80	2+142.58	3291356.53	438059.44				
										IP54	1+874.74	3291551.82	437929.08	IP81	2+159.16	3291349.85	438074.61				
										IP55	1+884.32	3291542.33	437930.37								
										IP56	1+895.62	3291531.45	437933.41								
										IP57	1+904.68	3291522.71	437935.81								
										IP58	1+915.68	3291512.24	437939.19								
										IP59	1+925.59	3291503.11	437942.17								
										IP60	1+934.60	3291494.48	437945.67								
										IP61	1+943.81	3291486.19	437949.68								
										IP62	1+953.98	3291476.99	437954.02								
										IP63	1+961.85	3291469.95	437957.54								
										IP64	1+969.05	3291463.45	437960.63								
										IP65	1+982.22	3291451.60	437966.37								
										IP66	1+990.86	3291443.79	437970.08								

D01	MAR.2023	IFA	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
D00	AUG.2022	IFC	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES						
PROJECT NO.:			971020			
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HURGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: Flow line Plan & Profile Drawings – W028						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
H=1:500 V=1:50	A0	BK-W028-PEDCO-110-SU-DW-0001			05 of 08	D01
BUDGET REF.		LOCATION	SIZE	CLASS	SERIAL NO.	SHEET
053-073-9184		F	4	A	707555	05
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED		APPROVED FOR CONSTRUCTION				
BY:		DATE:		REVISION		

- 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 PIPELINE MINOR CROSSINGS INCLUDING TRACK, UNSURFACED, SECONDARY ASPHALT ROADS, WATER COURSES, FLOODWAYS, EXISTING UNDERGROUND PIPES/CABLES AND ETC.TO BE EXECUTED AS PER THE PROJECT PIPELINE TYPICAL DRAWINGS.
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WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
W028 (BANGESTAN)	296.38 / 295.655	API 3000	3407.35 m	6 inch

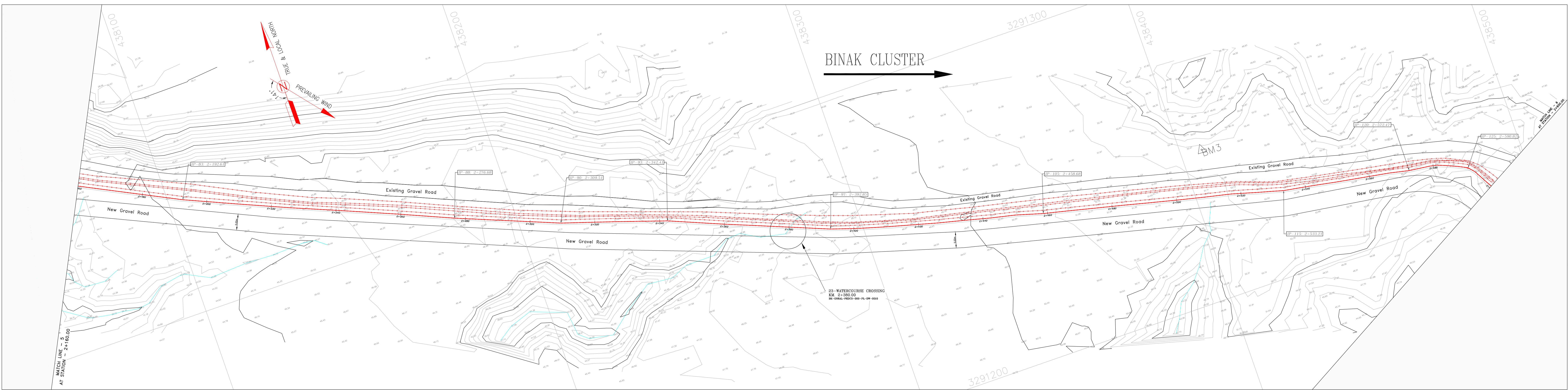
ABBREVIATIONS	
N.G.L.=Natural Ground Level	AR=Asphalt Road
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PC=Pipe Line Crossing	PL=Pipe Line
OF=Optical Fiber	CH=Channel
B.M.=Bench Mark	

LEGEND	
Existing GRAVEL ROAD	CHANNEL
New GRAVEL ROAD	RIVER
ASPHALT ROAD	WATER COURSE
STAIR	CONTOURS
TRENCH	SPOT HEIGHT
EMBANKMENT	TRIG POINT
FENCE	
BURNING PIT LINE	
WATER LINE	
BUILDING	CULVERT
CONCRETE AREA	
SEPTIC	WELL LOCATION
MANHOLE	WELL
POLE	SITE
HELIPAD	CAMP SITE
Existing Oil Pipe Line	
New Oil Pipe Line	
GAS Pipe Line (UG)	

REFERENCE DRAWING	DRG. No.
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Plot Plan Drawing - W028	BK-W028-PEDCO-110-PH-DW-0001
Piping Plan - W028	BK-W028-PEDCO-110-PH-DW-0002
Standard Drawing For A/G Pipeline Road Crossing	BK-QNRL-PEDCO-000-PL-DW-0005
Standard Drawing For Existing Pipeline Crossing	BK-QNRL-PEDCO-000-PL-DW-0006
Standard Drawing For Above Ground Pipeline Construction R.O.W	BK-QNRL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-QNRL-PEDCO-000-CV-DW-0004
Pipeline Standard Drawing For Cover Slabs And Set-Down	BK-QNRL-PEDCO-000-PL-DW-0013
Pipeline Standard Drawing For River Crossing	BK-QNRL-PEDCO-000-PL-DW-0014
Pipeline Standard Drawing For Anchor Support	BK-QNRL-PEDCO-000-PL-DW-0004
Pipeline Standard Drawing For H-Pipe Support	BK-QNRL-PEDCO-000-PL-DW-0010
Specification For Pipeline Cold Bending	BK-QNRL-PEDCO-000-PL-SP-0003
Standard Drawing For Concrete Containers Weight	BK-QNRL-PEDCO-000-CV-DW-0010



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REV.	DESCRIPTION	BY	DATE	BY	DATE
			CHECKED	REV. APPR.	
اصل و کپی نهی این نقشه و جزی اقباس مشتق به فرمت های حاکماتی می باشد. عزیز جناب میدان.					
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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
053-073-9184	F	4	A	707555	05
REVISION					



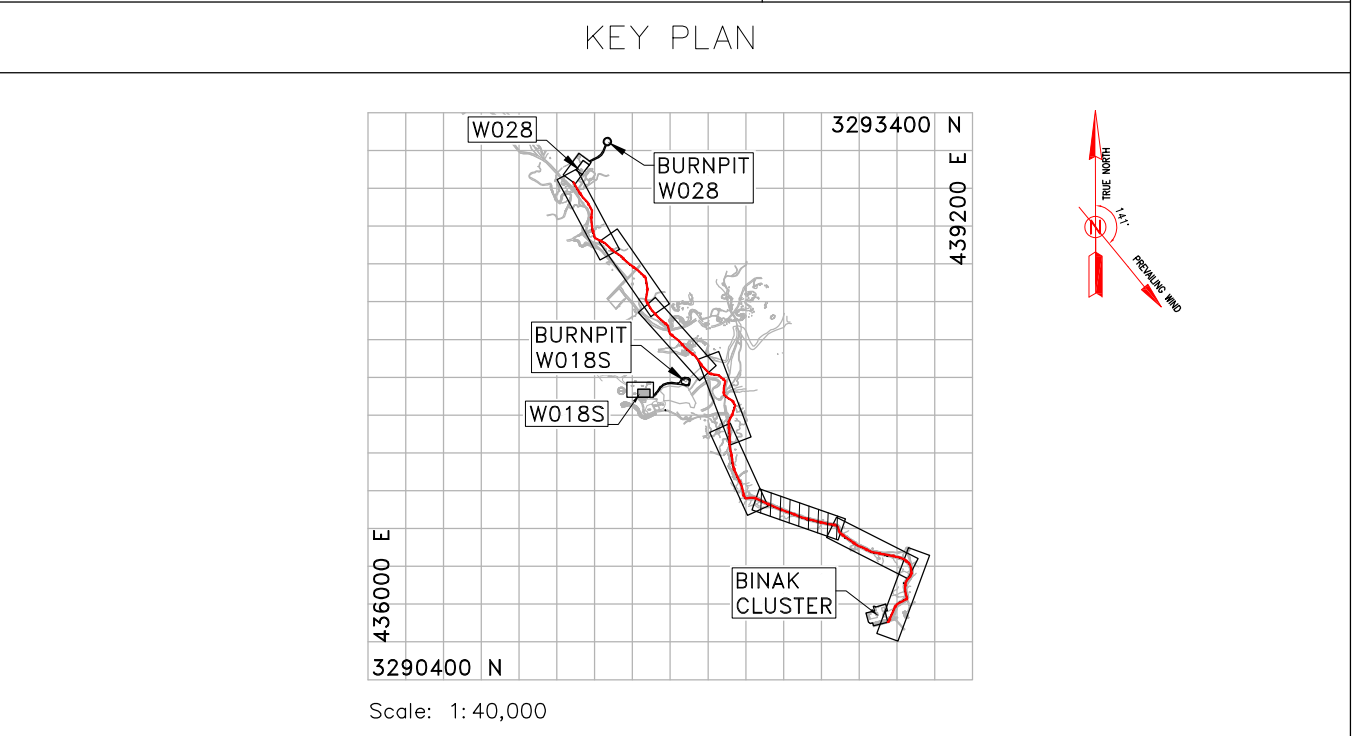
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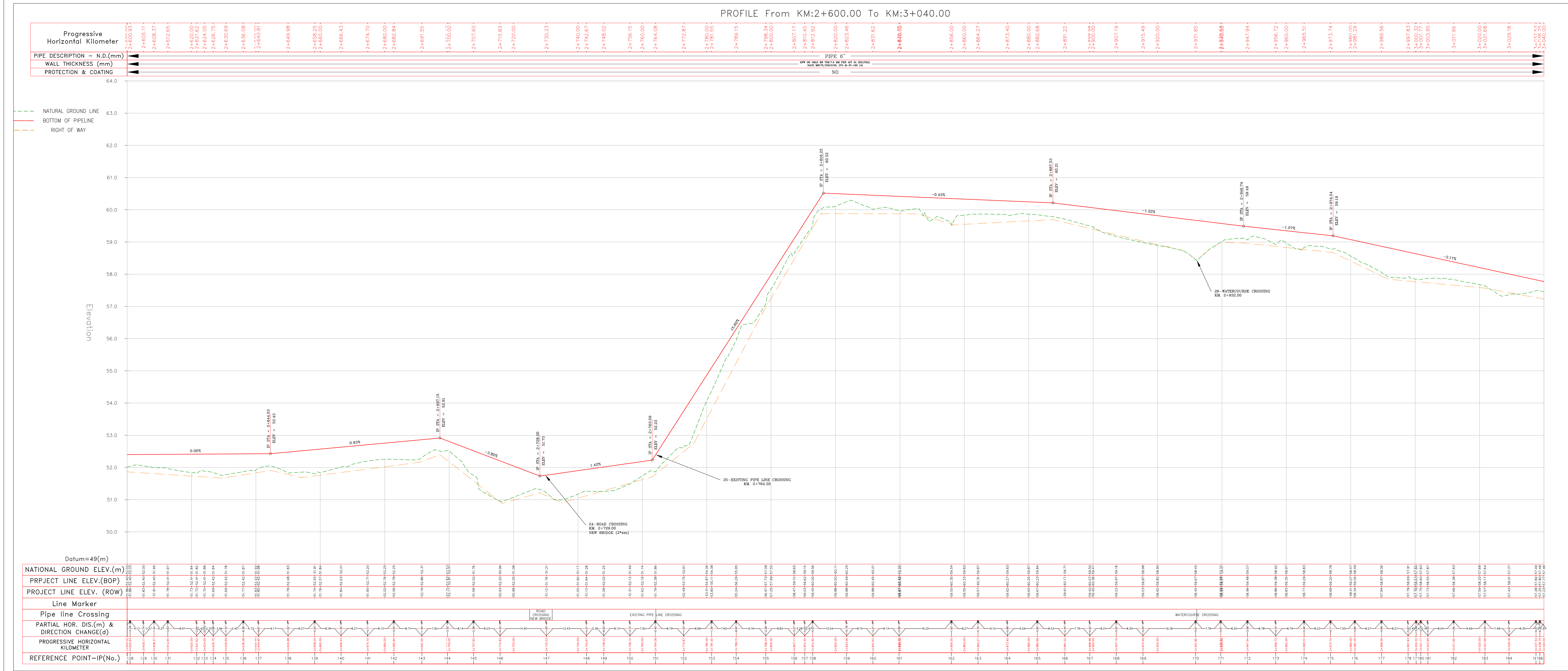
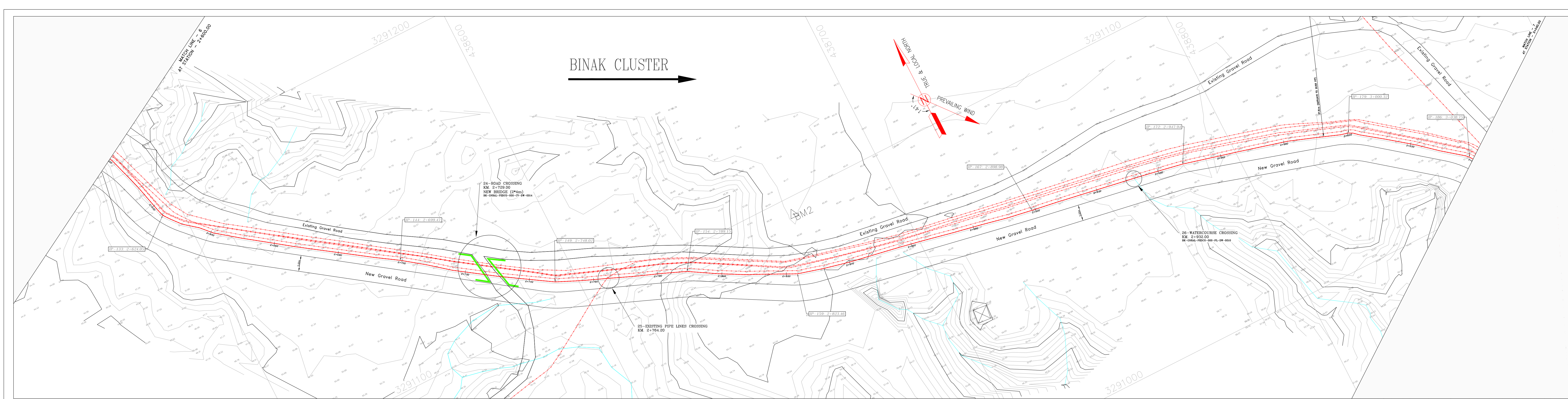
WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
W028 (BANGESTAN)	296.38 / 295.655	API 3000	3407.35 m	6 inch

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LEGEND	
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ASPHALT ROAD	WATER COURSE
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TRENCH	SPOT HEIGHT
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BURNING PIT LINE	WELL LOCATION
WATER LINE	WELL
BUILDING	SITE
CONCRETE AREA	CAMP SITE
SEPTIC	
MANHOLE	
POLE	
HELIPAD	
Existing OIL Pipe Line	
New OIL Pipe Line	
GAS Pipe Line (UG)	

REFERENCE DRAWING	DRG. No.
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Pipeline Standard Drawing For River Crossing	BK-GNRL-PEDCO-000-PL-DW-0014
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Specification For Pipeline Cold Bending	BK-GNRL-PEDCO-000-PL-SP-0003
Standard Drawing For Concrete Continues Weight	BK-GNRL-PEDCO-000-CV-DW-0010





Crossing List						Coordinate of Bench Marks (UTM)				COORDINATES OF INTERSECTION POINTS (UTM)												
Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)	
24	ROAD CROSSING	2+725.00	2+732.00	BK-GNRL-PEDCO-000-CV-DW-0014	New Bridge 24m	BM2	3291094.731	438668.962	61.149	IP128	2+600.93	3291205.29	438487.74	IP155	2+798.34	3291089.09	438639.23	IP182	3+011.99	3291032.39	438843.36	
25	EXISTING PIPELINE CROSSING	2+764.00								IP129	2+605.11	3291201.31	438488.97	IP156	2+807.17	3291084.83	438646.95	IP183	3+021.68	3291026.50	438851.05	
26	WATERCOURSE CROSSING	2+932.00		BK-GNRL-PEDCO-000-PL-DW-0010						IP130	2+608.37	3291186.20	438489.98	IP157	2+810.45	3291083.40	438649.91	IP184	3+025.18	3291021.59	438856.71	
											IP131	2+612.65	3291184.10	438491.19	IP158	2+812.92	3291085.10	438651.21	IP185	3+037.53	3291016.45	438853.30
											IP132	2+621.62	3291185.39	438493.34	IP159	2+823.46	3291077.68	438661.60	IP186	3+038.75	3291015.56	438864.13
											IP133	2+624.05	3291183.06	438494.03	IP160	2+831.62	3291075.52	438669.46				
											IP134	2+626.75	3291180.90	438495.66	IP161	2+839.75	3291073.66	438677.38				
											IP135	2+630.09	3291177.88	438498.18	IP162	2+846.00	3291070.76	438687.37				
											IP136	2+636.08	3291174.51	438502.39	IP163	2+864.27	3291069.14	438701.48				
											IP137	2+640.81	3291171.05	438505.62	IP164	2+873.40	3291067.23	438710.40				
											IP138	2+649.08	3291165.49	438512.91	IP165	2+882.68	3291065.42	438718.75				
											IP139	2+658.25	3291160.65	438519.62	IP166	2+891.22	3291063.63	438727.85				
											IP140	2+666.43	3291155.84	438526.23	IP167	2+898.98	3291062.32	438735.51				
											IP141	2+674.70	3291151.12	438533.03	IP168	2+907.19	3291061.06	438743.62				
											IP142	2+682.04	3291146.51	438539.73	IP169	2+915.49	3291059.86	438751.80				
											IP143	2+691.55	3291141.56	438546.88	IP170	2+931.85	3291056.92	438767.93				
											IP144	2+699.47	3291137.22	438553.52	IP171	2+939.64	3291055.53	438775.59				
											IP145	2+707.60	3291132.38	438560.06	IP172	2+947.94	3291053.97	438783.74				
											IP146	2+715.83	3291127.21	438566.46	IP173	2+956.72	3291051.78	438792.25				
											IP147	2+730.23	3291119.06	438578.35	IP174	2+965.51	3291049.60	438800.77				
											IP148	2+742.67	3291111.36	438586.81	IP175	2+973.74	3291047.49	438809.72				
											IP149	2+748.02	3291109.50	438593.34	IP176	2+981.29	3291045.55	438816.02				
											IP150	2+756.15	3291106.17	438600.77	IP177	2+989.56	3291042.78	438823.81				
											IP151	2+764.08	3291103.20	438608.10	IP178	2+997.83	3291039.91	438831.56				
											IP152	2+772.87	3291099.84	438616.22	IP179	3+000.32	3291038.30	438839.87				
											IP153	2+781.55	3291096.74	438624.33	IP180	3+001.77	3291038.61	438845.25				
											IP154	2+789.15	3291093.86	438631.56	IP181	3+003.95	3291037.17	438856.89				

D01	MAR.2023	IFA	R.BERLOUE	M.FAKHRIAN	M.MEHRSHAD	...
D00	AUG.2022	IFC	R.BERLOUE	M.FAKHRIAN	M.MEHRSHAD	...
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELHEAD FACILITIES						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
						
HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			PEDCO COMPANY			
DRAWING TITLE: Flow line Plan & Profile Drawings – W028						
SCALE	SIZE	DRAWING NO.		SHEET NO.		RE
H=1:500 V=1:50	A0	BK-W028-PEDCO-110-SU-DW-0001		07 OF 08		DC

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LEGEND

Existing GRAVEL ROAD	CHANNEL
New GRAVEL ROAD	RIVER
ASPHALT ROAD	WATER COURSE
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TRENCH	SPOT HEIGHT
EMBANKMENT	TRIG POINT
FENCE	CULVERT
BURNING PIT LINE	WELL LOCATION
WATER LINE	WELL
BUILDING	SITE
CONCRETE AREA	CAMP SITE
SEPTIC	
MANHOLE	
POLE	
HELIPAD	

Existing Oil Pipe Line
New Oil Pipe Line
GAS Pipe Line (UG)

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KEY PLAN

Scale: 1:40,000

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

اسم و کجه نیل این نقشه و متن الهامی مشتق به فرمت ملی مطابق ملی جنوب می باشد.

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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
053-073-9184	F	4	A	707555	07	D01

D01 MAR.2023 IFA R.BERLOUIE M.FAKHARIAN M.MEHRSHAD **

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

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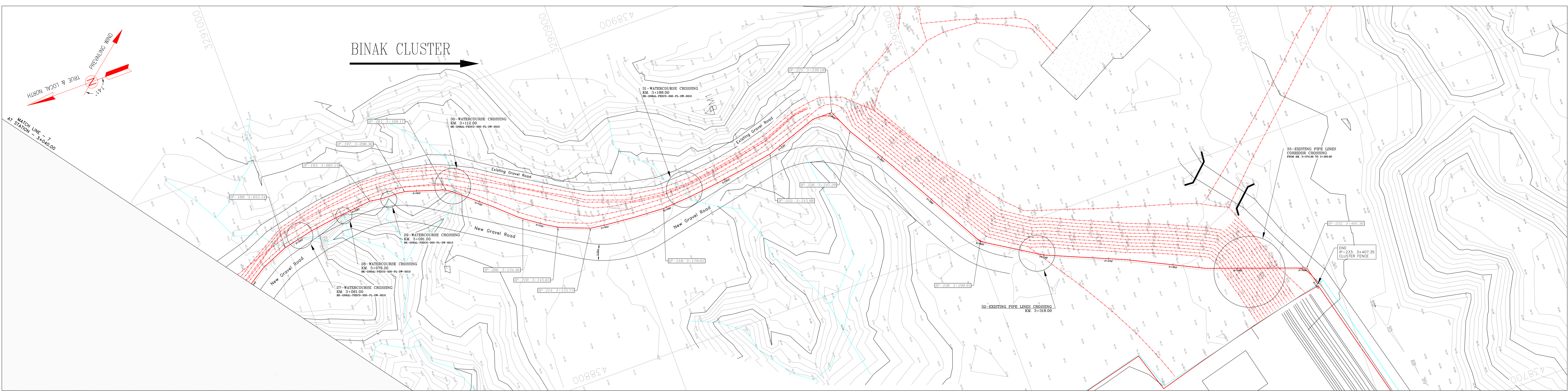
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DRAWING TITLE: Flow line Plan & Profile Drawings - W028

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

H=1:500 V=1:50 A0 BK-W028-PEDCO-110-SU-DW-0001 07 OF 08 D01 053-073-9184 F 4 A 707555 07 D01



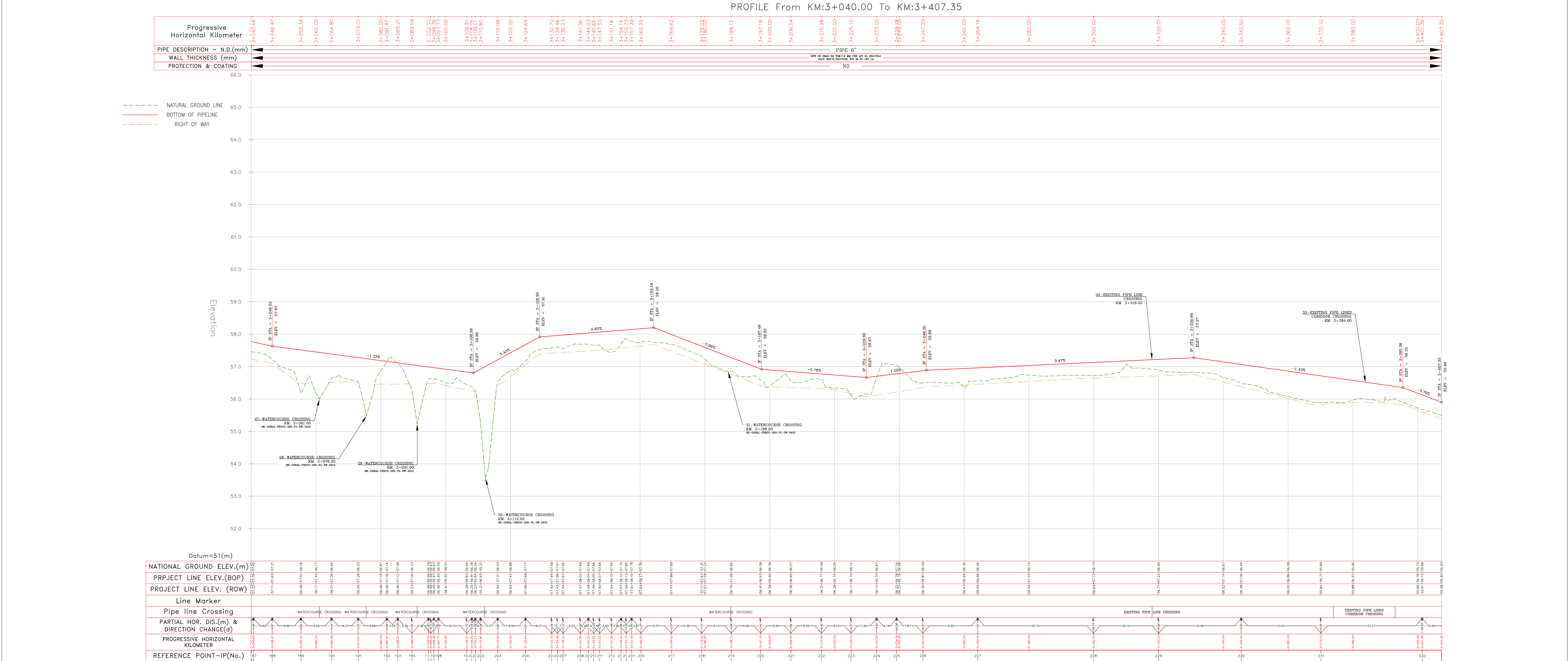
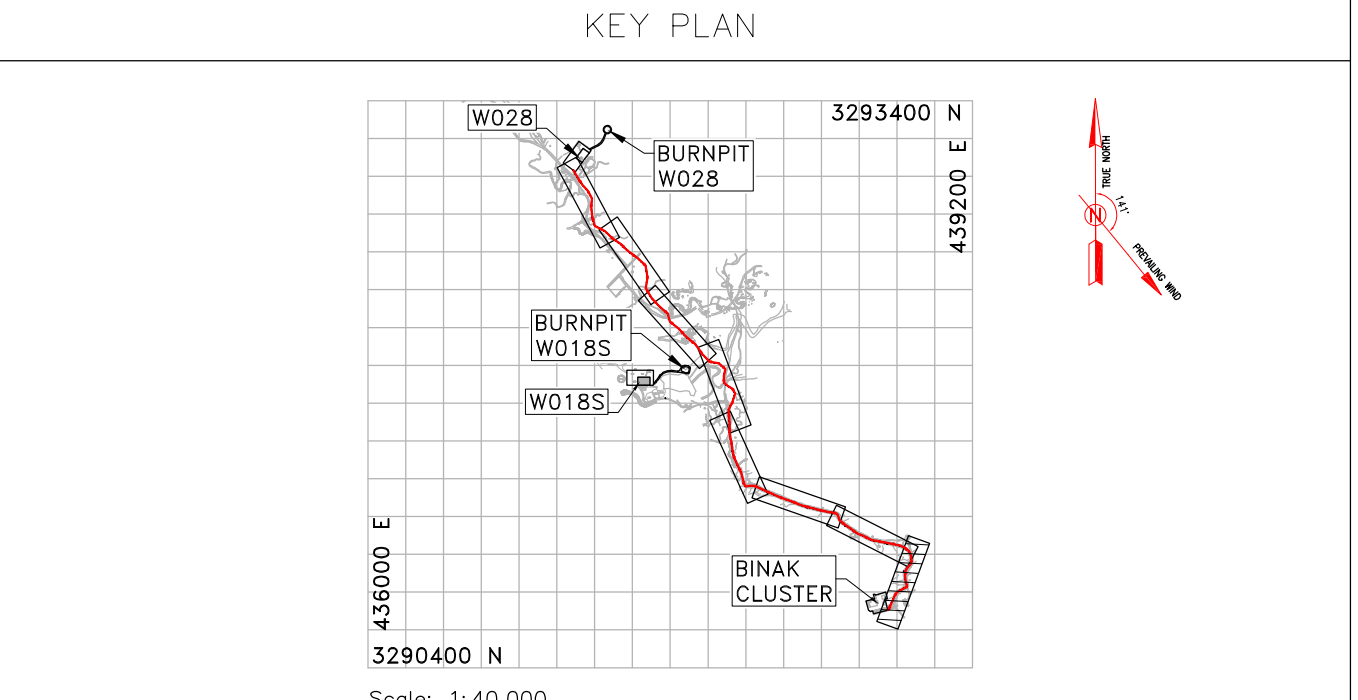
- NOTES
- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MEAN SEA LEVEL
 - 4- THE PIPELINE MINOR CROSSINGS INCLUDING TRACK, UNSURFACED, SECONDARY ASPHALT ROADS, WATER COURSES, FLOODWAYS, EXISTING UNDERGROUND PIPES/CABLES AND ETC.TO BE EXECUTED AS PER THE PROJECT PIPELINE TYPICAL DRAWINGS.
 - 5- THE PIPELINE MAJOR CROSSINGS INCLUDING RIVERS AND MAIN ASPHALT ROADS SHALL BE EXECUTED ACCORDING TO THE RELATED SPECIFIC DETAILED DRAWINGS.
 - 6- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - 7- THE EXACT LOCATION AND NUMBER OF SUPPORT OF HILLSIDE ANCHORS SHALL BE ADJUSTED & CONFIRMED BY THE CLIENT REPRESENTATIVE AT SITE

WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
W028 (BANGESTAN)	296.38 / 295.655	API 3000	3407.35 m	6 inch

ABBREVIATIONS	
N.G.L.=Natural Ground Level	AR=Asphalt Road
B.O.P.L.=Bottom of Pipe Level	GR=Gravel Road
R.O.W.L.=Right of Way Level	PLC=Pipe Line Corridor
PC=Pipe Line Crossing	PL=Pipe Line
OF=Optical Fiber	CH=Channel
B.M.=Bench Mark	

LEGEND	
Existing GRAVEL ROAD	CHANNEL
New GRAVEL ROAD	RIVER
ASPHALT ROAD	
STAIR	WATER COURSE
TRENCH	CONTOURS
EMBANKMENT	SPOT HEIGHT
FENCE	TRIG POINT
BURNING PIT LINE	
WATER LINE	
BUILDING	CULVERT
CONCRETE AREA	
SEPTIC	WELL LOCATION
MANHOLE	WELL
POLE	SITE
HELIPAD	CAMP SITE
Existing Oil Pipe Line	
New Oil Pipe Line	
GAS Pipe Line (UG)	

REFERENCE DRAWING	DRG. No.
General Civil Layout -W028	BK-W028-PEDCO-110-CV-PY-0001
Civil and Structural drawings -W028	BK-W028-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W028	BK-W028-PEDCO-110-PH-DW-0001
Piping Plan - W028	BK-W028-PEDCO-110-PH-DW-0002
Standard Drawing For A/G Pipeline Road Crossing	BK-GNRL-PEDCO-000-PL-DW-0005
Standard Drawing For Existing Pipeline Crossing	BK-GNRL-PEDCO-000-PL-DW-0006
Standard Drawing For Above Ground Pipeline Construction R.O.W	BK-GNRL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-GNRL-PEDCO-000-CV-DW-0004
Pipeline Standard Drawing For Cover Slabs And Set-On-Weight	BK-GNRL-PEDCO-000-PL-DW-0013
Pipeline Standard Drawing For River Crossing	BK-GNRL-PEDCO-000-PL-DW-0014
Pipeline Standard Drawing For Anchor Support	BK-GNRL-PEDCO-000-PL-DW-0004
Pipeline Standard Drawing For H-Pipe Support	BK-GNRL-PEDCO-000-PL-DW-0010
Specification For Pipeline Cold Bending	BK-GNRL-PEDCO-000-PL-SP-0003
Standard Drawing For Concrete Structures Weight	BK-GNRL-PEDCO-000-CV-DW-0010



Crossing List						Coordinate of Bench Marks (UTM)				COORDINATES OF INTERSECTION POINTS (UTM)											
Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Points	Northing (m)	Eastng (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Eastng (m)	No.	KILOMETER	Northing (m)	Eastng (m)	No.	KILOMETER	Northing (m)	Eastng (m)
27	WATERCOURSE CROSSING	3+061.00		BK-GNRL-PEDCO-000-PL-DW-0010		BM1	3290863.132	438865.839	69.495	IP187	3+040.66	3291014.02	438865.26	IP214	3+155.73	3290910.33	438844.79				
28	WATERCOURSE CROSSING	3+076.26		BK-GNRL-PEDCO-000-PL-DW-0010						IP188	3+046.47	3291009.10	438868.35	IP215	3+157.39	3290908.69	438844.58				
29	WATERCOURSE CROSSING	3+091.00		BK-GNRL-PEDCO-000-PL-DW-0010						IP189	3+053.34	3291000.90	438871.73	IP216	3+160.25	3290905.95	438844.18				
30	WATERCOURSE CROSSING	3+112.00		BK-GNRL-PEDCO-000-PL-DW-0010						IP190	3+064.80	3290991.67	438873.78	IP217	3+169.62	3290896.53	438843.28				
31	WATERCOURSE CROSSING	3+188.00		BK-GNRL-PEDCO-000-PL-DW-0010						IP191	3+073.01	3290983.54	438874.94	IP218	3+179.02	3290887.15	438842.72				
32	EXISTING PIPELINE CROSSING	3+318.00								IP192	3+081.87	3290974.72	438875.88	IP219	3+186.12	3290878.07	438843.31				
33	EXISTING PIPELINES CORRIDOR CROSSING	3+374.00	3+393.00							IP193	3+085.21	3290971.59	438876.18	IP220	3+192.18	3290869.07	438844.31				
Bill of Materials										IP194	3+089.59	3290967.06	438875.56	IP221	3+206.54	3290859.79	438845.58				
										IP195	3+094.66	3290961.99	438875.47	IP222	3+215.98	3290850.48	438847.17				
										IP196	3+095.42	3290961.25	438875.30	IP223	3+225.10	3290841.84	438850.08				
										IP197	3+096.36	3290960.32	438875.24	IP224	3+233.00	3290834.57	438852.64				
										IP198	3+097.77	3290958.96	438874.67	IP225	3+239.18	3290828.19	438852.59				
										IP199	3+106.51	3290950.65	438872.14	IP226	3+247.29	3290824.88	438845.18				
										IP200	3+108.05	3290949.17	438871.71	IP227	3+264.19	3290816.28	438830.63				
										IP201	3+109.17	3290948.16	438871.23	IP228	3+299.91	3290798.97	438799.38				
										IP202	3+110.80	3290946.82	438870.31	IP229	3+320.01	3290781.97	438788.65				
										IP203	3+116.08	3290942.75	438866.94	IP230	3+345.50	3290758.60	438778.50				
										IP204	3+124.64	3290936.24	438861.89	IP231	3+370.10	3290756.58	438767.53				
										IP205	3+132.70	3290930.34	438855.85	IP232	3+401.36	3290707.20	438756.83				
										IP206	3+134.46	3290928.97	438854.79	IP233	3+407.35	3290705.75	438751.02				
										IP207	3+136.13	3290927.52	438853.77								
										IP208	3+141.56	3290923.17	438850.69								
										IP209	3+144.03	3290921.05	438849.41								
										IP210	3+145.65	3290919.70	438848.53								
										IP211	3+147.53	3290917.96	438847.80								
										IP212	3+151.18	3290914.57	438846.44								
										IP213	3+154.14	3290911.81	438845.38								

D01	MAR.2023	IFA	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
D00	AUG.2022	IFC	R.BERLOUIE	M.FAKHARIAN	M.MEHRSHAD	** **
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES 						

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REV.	DESCRIPTION	BY	DATE	BY	DATE
CHECKED			REV. APPR.		
اصل و کپی نه این نقشه و سنی الهیاتی مشتق به حرکت ملی مناطق نفت خیز جنوب می باشد.					
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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	A	707555	08 D01