

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 SPECIFIED 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: 260 m

W035 (BANGASTAN): 325.96 / 325.67 API 3000 3407.93 m 6 inch

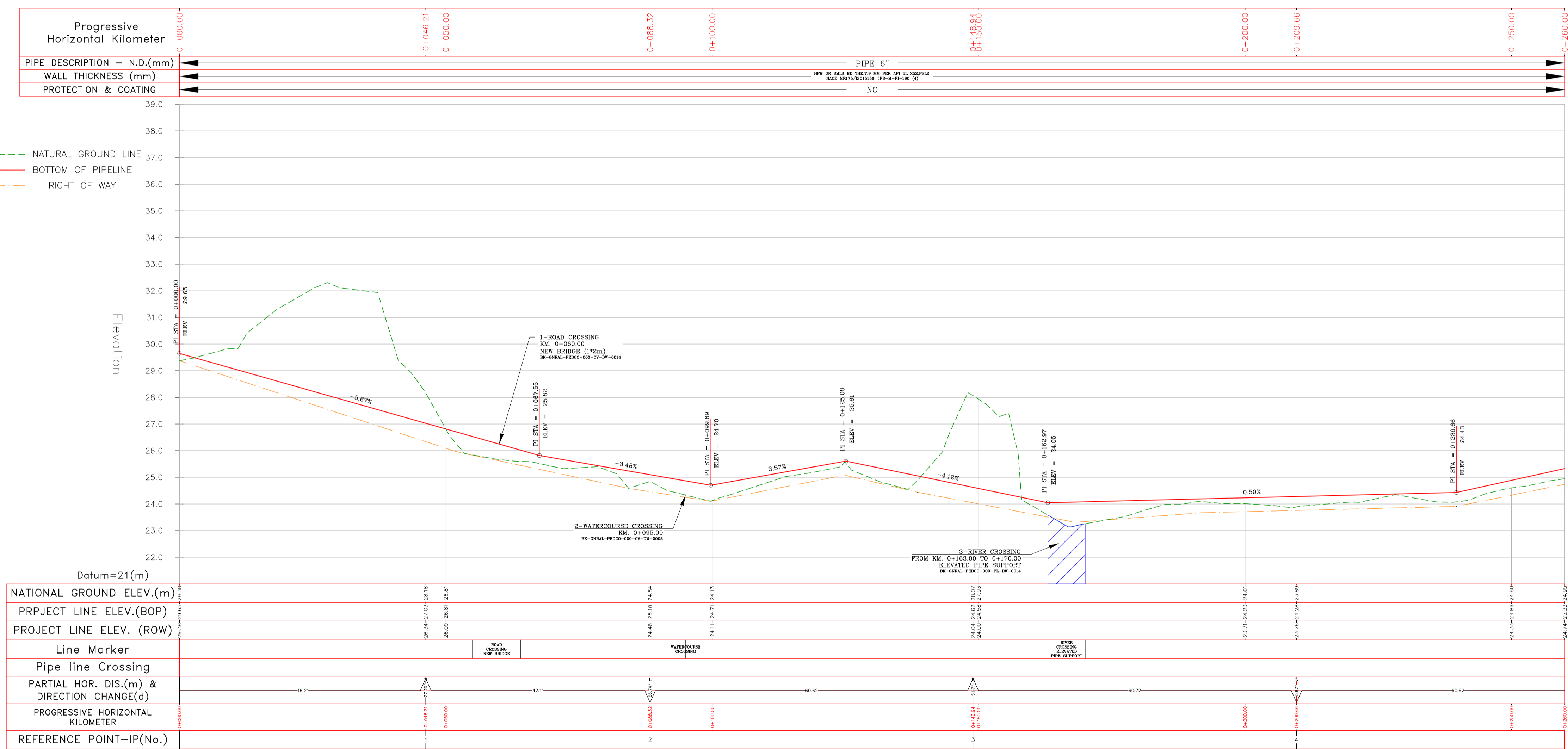
ABBREVIATIONS

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 Line PL=Pipe Line Corridor
 PC=Pipe Line Crossing PL=Pipe Line
 OF=Optical Fiber CH=Channel
 B.M.=Bench Mark

LEGEND

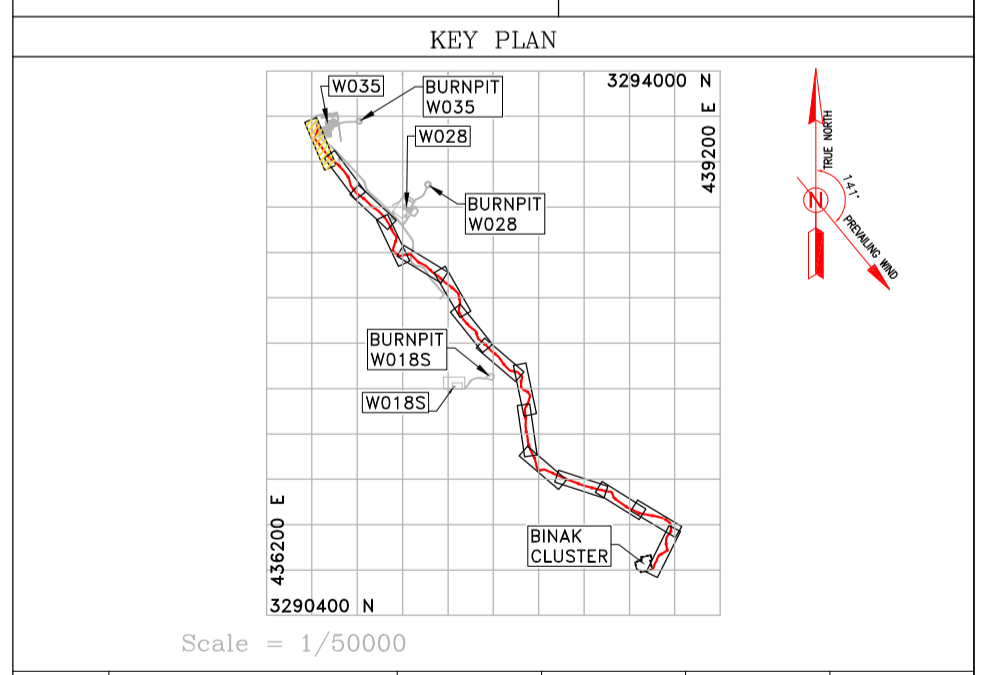
Existing GRAVEL ROAD	CHANNEL
New GRAVEL ROAD	RIVER
ASPHALT ROAD	WATER COURSE
STAIR	CONTOURS
TRENCH	SPOT HEIGHT
EMBANKMENT	TRIG POINT
FENCE	WATER LINE
BURNING PIT LINE	BUILDING
CONCRETE AREA	WELL LOCATION
SEPTIC	WELL
MANHOLE	SITE
POLE	CAMP SITE
HELIPAD	
Existing OIL Pipe Line	
New OIL Pipe Line	
GAS Pipe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

PROFILE From KM:0+000.00 To KM:0+260.00



REFERENCE DRAWING

General Civil Layout - W035	DRG. No.
Civil and Structural drawings - W035	BK-W035-PEDCO-110-CV-PY-0001
Plot Plan Drawing - W035	BK-W035-PEDCO-110-CV-PY-0002
Standard Drawing For A/G Pipeline Road Crossing	BK-GNRAL-PEDCO-000-PL-DW-0005
Standard Drawing For Existing Pipeline Crossing	BK-GNRAL-PEDCO-000-PL-DW-0006
Standard Drawing For Above Ground Pipeline Construction R&W	BK-GNRAL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Pipeline Standard Drawing For Cover Slabs And Set-On-Weight	BK-GNRAL-PEDCO-000-PL-DW-0013
Pipeline Standard Drawing For River Crossing	BK-GNRAL-PEDCO-000-PL-DW-0014
Pipeline Standard Drawing For Anchor Support	BK-GNRAL-PEDCO-000-PL-DW-0004
Pipeline Standard Drawing For H-Pipe Support	BK-GNRAL-PEDCO-000-PL-DW-0010
Specification For Pipeline Cold Bending	BK-GNRAL-PEDCO-000-PL-SP-0003
Standard Drawing For Concrete Continuous Weight	BK-GNRAL-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)
1	ROAD CROSSING	0+055.00	0+064.00	BK-GNRAL-PEDCO-000-CV-DW-0014	NEW BRIDGE 1*2m	GPS2	3293600.410	436458.652	34.616	IP0	0+000.00	3293636.49	436534.87	IP1	0+046.21	3293590.29	436535.74
2	WATERCOURSE CROSSING	0+095.00		BK-GNRAL-PEDCO-000-PL-DW-0008		GPS3	3293700.657	436396.517	28.476	IP2	0+098.32	3293552.47	436517.21	IP3	0+148.94	3293506.47	436556.68
3	RIVER CROSSING	0+163.00	0+170.00	BK-GNRAL-PEDCO-000-PL-DW-0014	ELEVATED PIPE SUPPORT	S39	3293637.729	436479.399	35.675	IP4	0+209.66	3293456.71	436591.47				
Bill of Materials						1	PIPE LINE 6"		260 (m)								

REV.	DESCRIPTION	BY	DATE	BY	DATE
000	*****	*****	*****	*****	*****
001					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

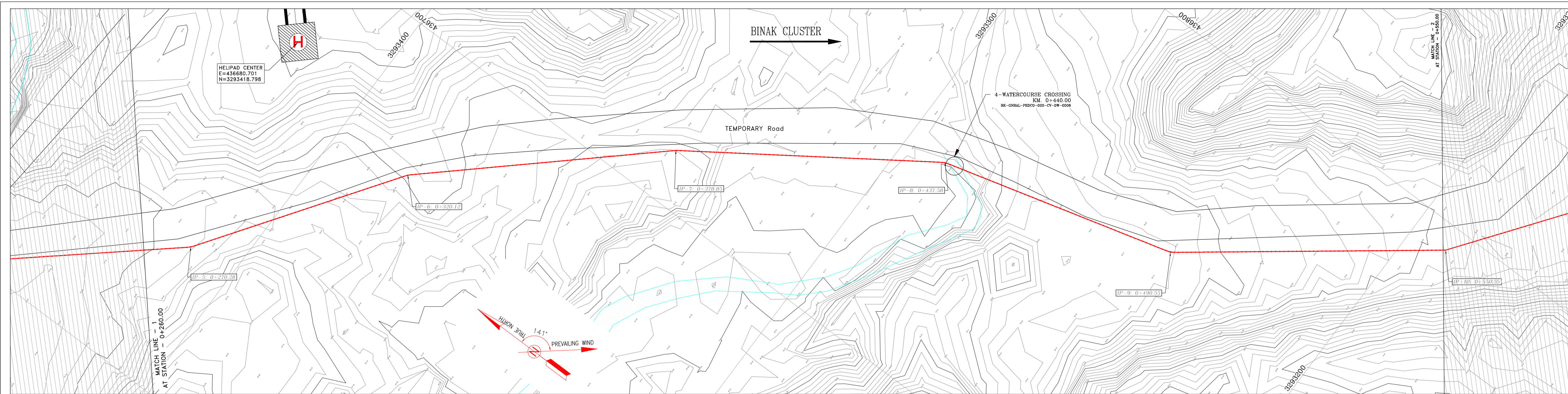
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: Flow line Plan & Profile Drawings - W035

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001	1 OF 15	D00	053-073-9184	F	4	A	707785	1



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WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
W035 (BANGESTAN)	325.96/ 325.67	API 3000	3407.93 m	6 inch

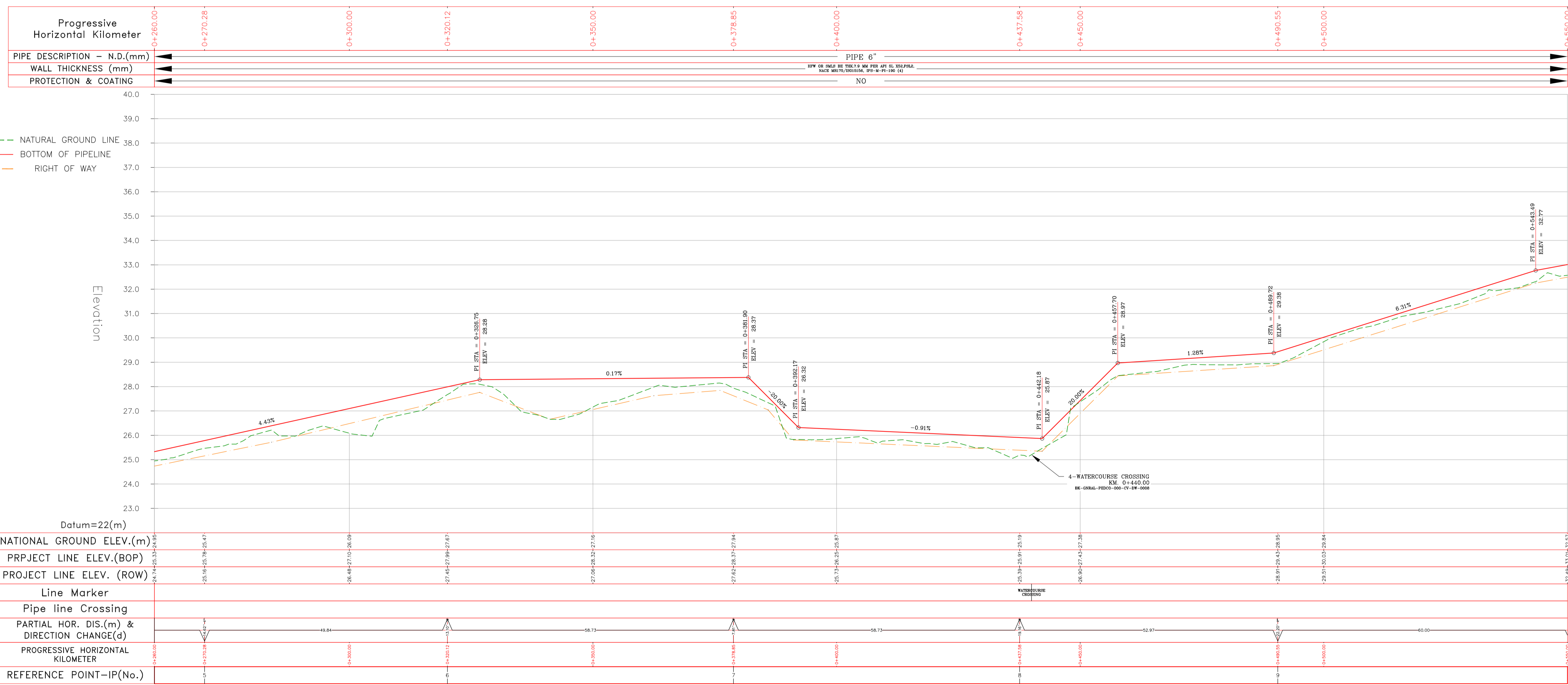
ABBREVIATIONS

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OF=Optical Fiber	CH=Channel
B.M.=Bench Mark	

LEGEND

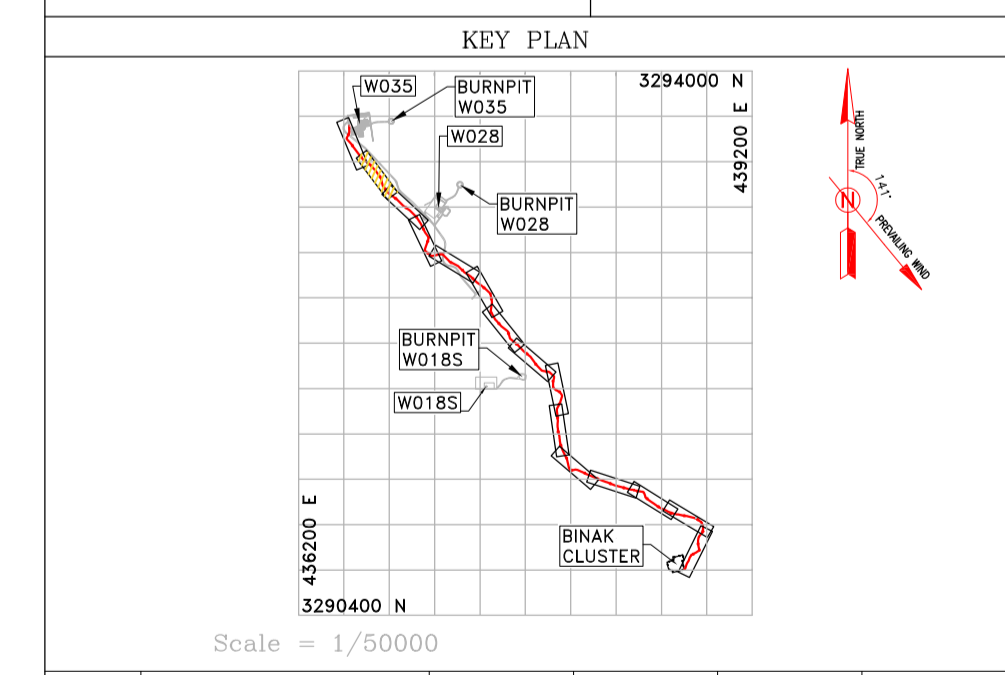
	Existing GRAVEL ROAD		CHANNEL
	New GRAVEL ROAD		RIVER
	ASPHALT ROAD		WATER LINE
	STAIR		CONTOURS
	TRENCH		SPOT HEIGHT
	EMBANKMENT		TRIG POINT
	FENCE		CULVERT
	BURNING PIT LINE		WELL LOCATION
	WATER LINE		WELL
	BUILDING		SITE
	CONCRETE AREA		CAMP SITE
	SEPTIC		Existing OIL Pipe Line
	MANHOLE		New OIL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

PROFILE From KM:0+260.00 To KM:0+550.00



REFERENCE DRAWING

General Civil Layout - W035	DRG. No.
Civil and Structural drawings - W035	BK-W035-PEDCO-110-CV-PY-0001
Plot Plan Drawing - W035	BK-W035-PEDCO-110-CV-PY-0002
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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 Continuous 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	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
4	WATERCOURSE CROSSING	0+260.00	0+440.00	BK-GNRL-PEDCO-000-PL-DW-0008	S35	3293246.697	436834.486	45.665	IP5	0+270.28	3293410.70	436630.95				
									IP6	0+320.12	3293382.29	436671.90				
									IP7	0+378.85	3293338.75	436711.32				
									IP8	0+437.58	3293290.26	436744.45				
									IP9	0+490.55	3293239.14	436758.32				

Bill of Materials		
1	PIPE LINE 6"	290 (m)

DOO	JAN 2023	IFC	R.BERLAUHE	M.FAKHARIAN	M.MEHRSHAD	**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
DRAWING TITLE: Flow line Plan & Profile Drawings - W035						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	BUDGET REF.
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001		2 OF 15	DOO	053-073-9184
APPROVED FOR CONSTRUCTION			BY:		DATE:	
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION	
053-073-9184	F	4	A	707785	2	DOO

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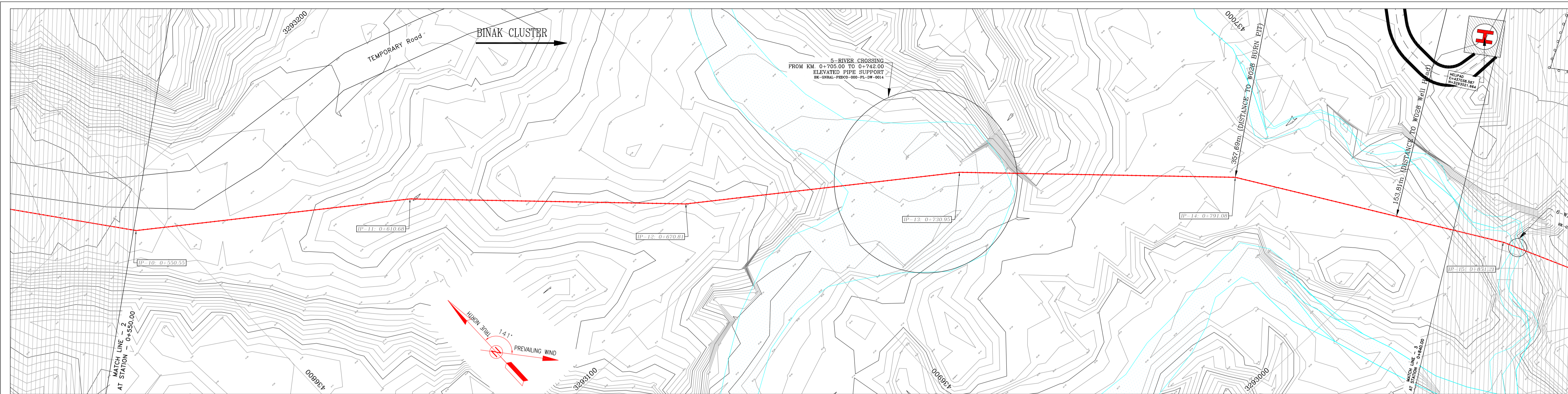
REV. DESCRIPTION BY DATE BY DATE

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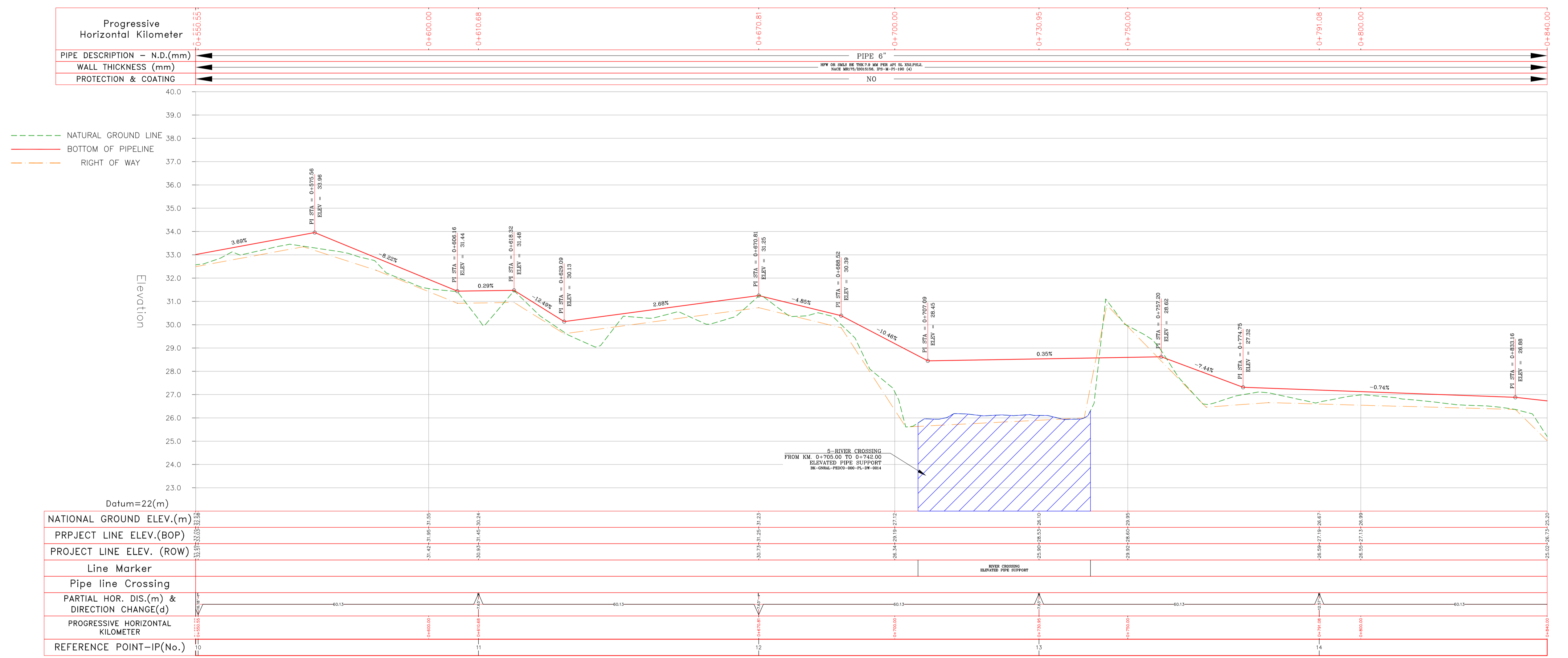
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES

APPROVED FOR CONSTRUCTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED



PROFILE From KM:0+550.00 To KM:0+840.00



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VERTICAL DATUM: MEAN SEA LEVEL
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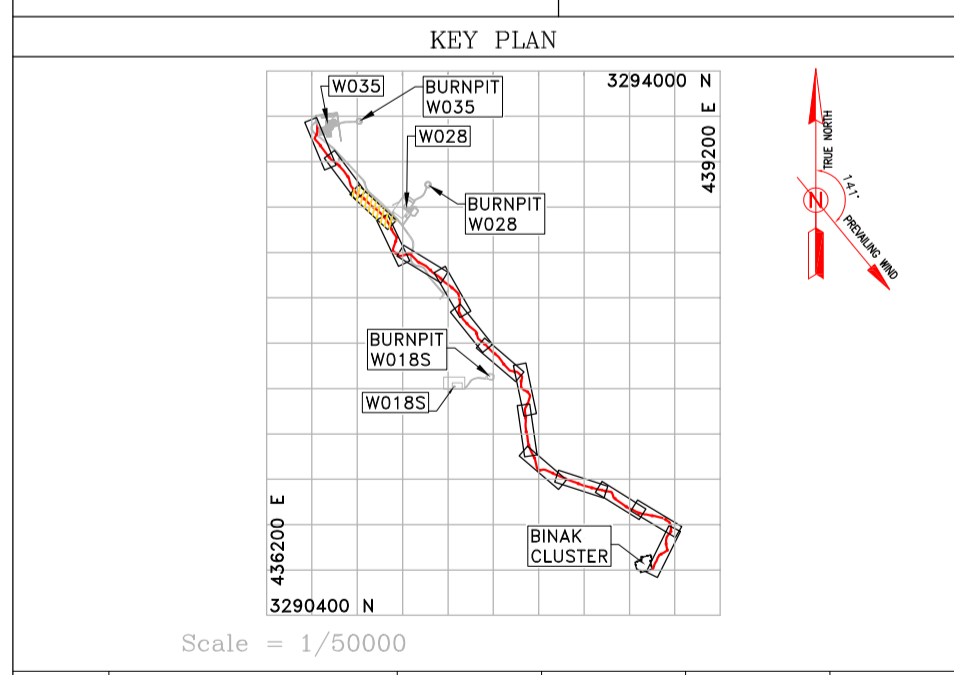
WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
W035 (BANGASTAN)	325.96 / 325.67	API 3000	3407.93 m	6 inch

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 - OF=Optical Fiber
 - B.M.=Bench Mark
 - AR=Asphalt Road
 - GR=Gravel Road
 - PLC=Pipe Line Corridor
 - PL=Pipe Line
 - CH=Channel

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

REFERENCE DRAWING

General	DRG. No.
General Civil Layout - W035	BK-W035-PEDCO-110-CV-PY-0001
Civil and Structural drawings - W035	BK-W035-PEDCO-110-CV-PY-0002
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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
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Crossing List					Coordinate of Bench Marks (UTM)			COORDINATES OF INTERSECTION POINTS (UTM)								
Item	Description	Start (KM)	End (KM)	Reference Sheet	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
5	RIVER CROSSING	0+705.00	0+742.00	BK-GNRL-PEDCO-000-PL-DW-0014	BM16	3293160.118	436964.749	37.566	IP10	0+550.55	3293191.46	436794.74	IP11	0+610.69	3293155.74	436843.12
									IP12	0+670.81	3293113.52	436866.32	IP13	0+730.95	3293078.20	436934.70
									IP14	0+791.08	3293036.38	436977.90				

Bill of Materials		
1	PIPE LINE 6"	290 (m)

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: Flow line Plan & Profile Drawings - W035

SCALE: H=1:500, V=1:100

DRAWING NO.: BK-W035-PEDCO-110-SU-DW-0001

SHEET NO.: 3 OF 15

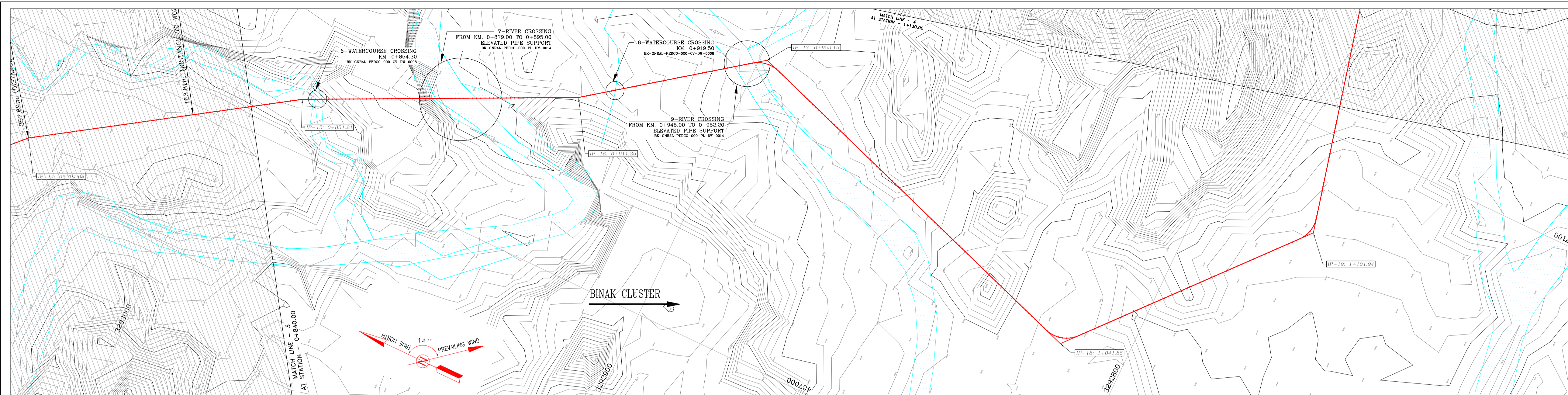
REV. DATE: 053-073-9184

REV.	DESCRIPTION	BY	DATE	BY	DATE
000	*****	*****	*****	*****	*****

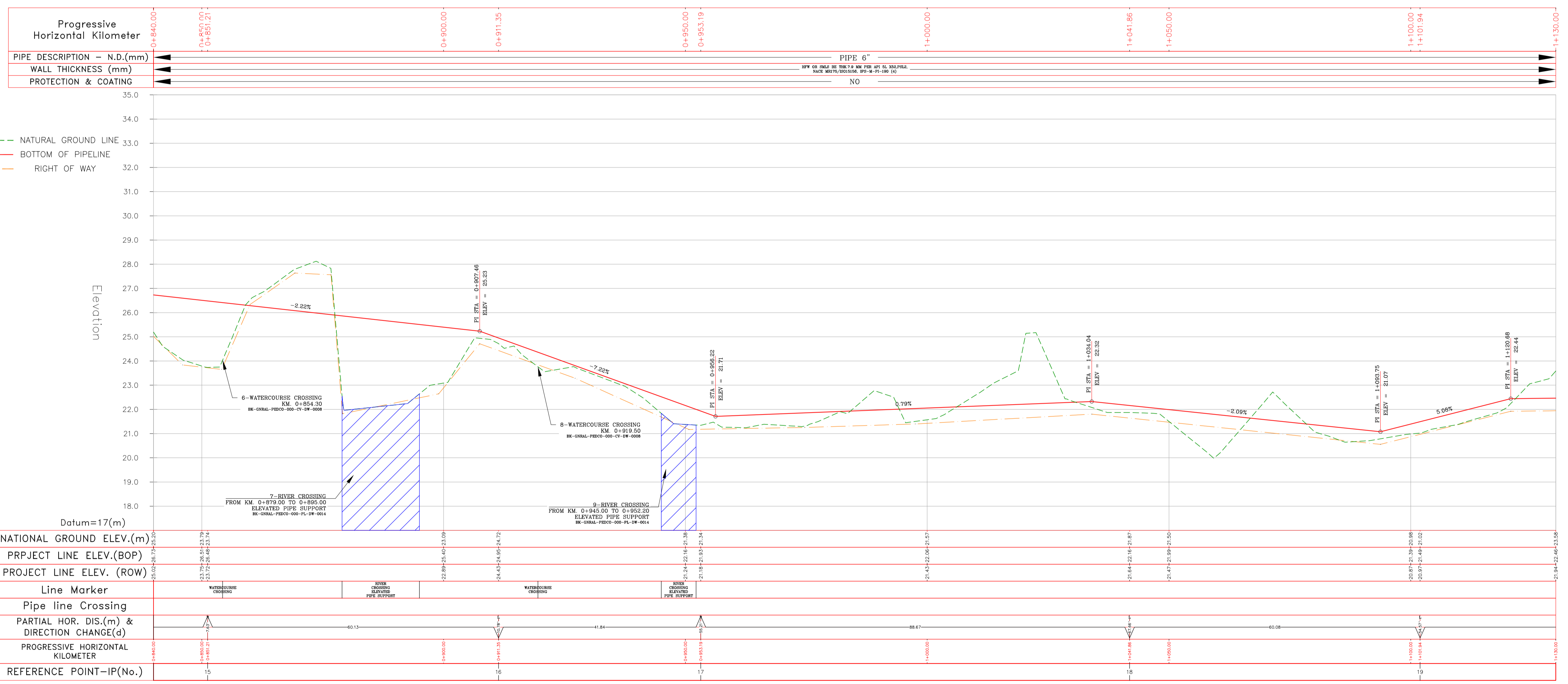
APPROVED FOR CONSTRUCTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	A	707785	3



PROFILE From KM:0+840.00 To KM:1+130.00



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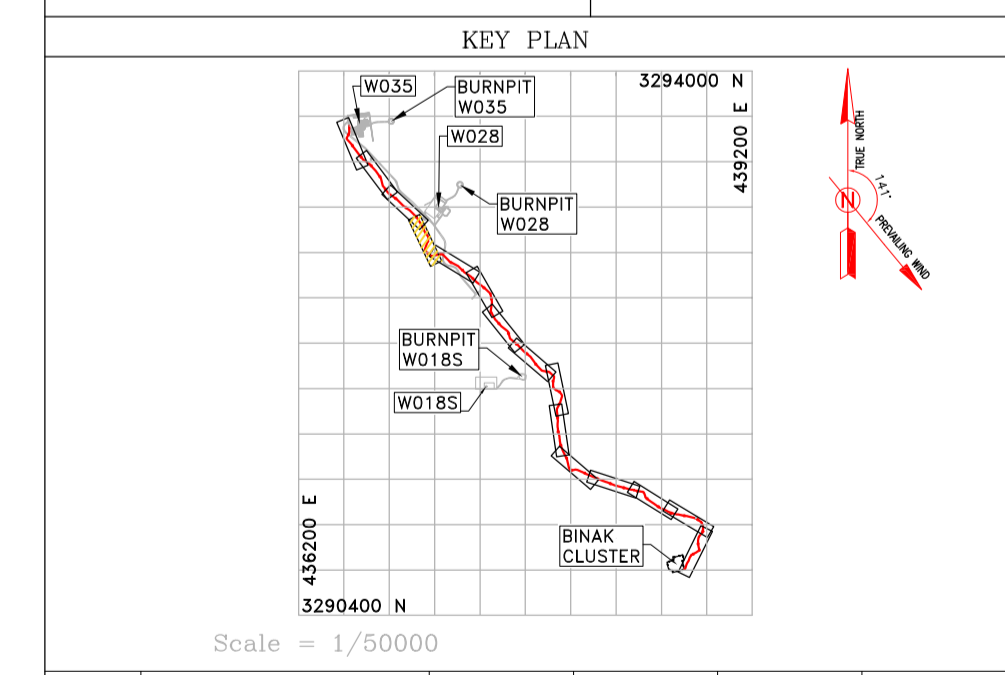
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LEGEND

	Existing GRAVEL ROAD		CHANNEL
	New GRAVEL ROAD		RIVER
	ASPHALT ROAD		WATER LINE
	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)		

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6	WATERCOURSE CROSSING	0+854.30		BK-GNRL-PEDCO-000-PL-DW-0008		BM14	3292998.852	437204.521	38.676	IP15	0+851.21	3292986.15	437010.97	IP16	0+911.35	3292931.98	437037.08	IP17	0+953.19	3292898.36	437061.98	IP18	1+041.86	3292814.36	437033.56	IP19	1+101.94	3292774.92	437078.89
7	RIVER CROSSING	0+879.00	0+895.00	BK-GNRL-PEDCO-000-PL-DW-0014	ELEVATED PIPE SUPPORT																								
8	WATERCOURSE CROSSING	0+919.50		BK-GNRL-PEDCO-000-PL-DW-0008																									
9	RIVER CROSSING	0+945.00	0+952.20	BK-GNRL-PEDCO-000-PL-DW-0014	ELEVATED PIPE SUPPORT																								
Bill of Materials						1	PIPE LINE 6"	290 (m)																					

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PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: Flow line Plan & Profile Drawings - W035

SCALE: H=1:500, V=1:100

DRAWING NO.: BK-W035-PEDCO-110-SU-DW-0001

SHEET NO.: 4 OF 15

REV.: D00

BUDGET REF. LOCATION: 053-073-9184

SIZE CLASS: F

SERIAL NO.: 4

CLASS: A

707785

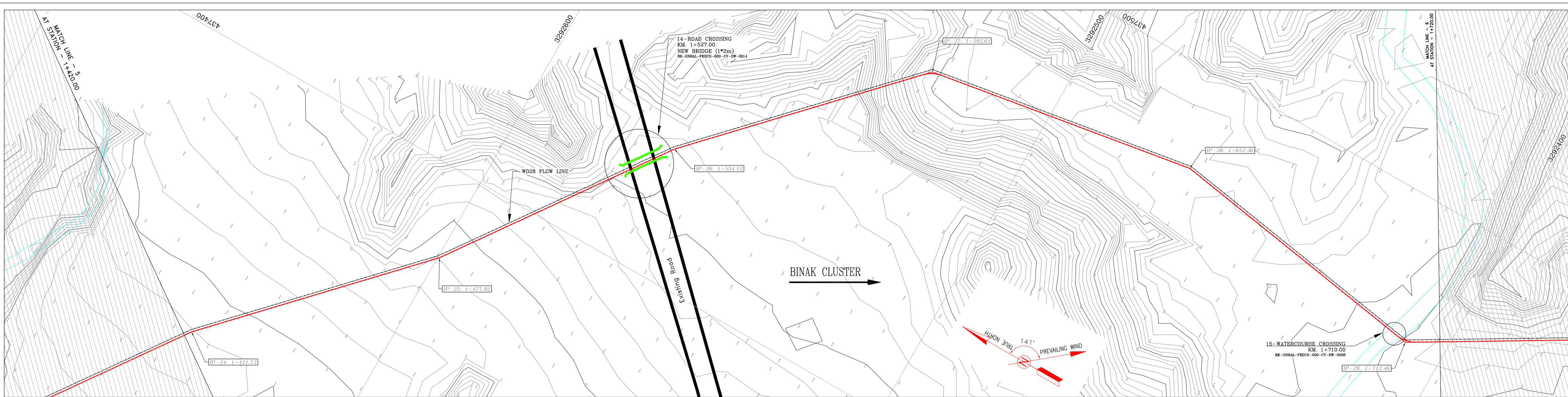
SHEET REVISION: 4 D00

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

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: _____ DATE: _____

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NOTES

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- 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 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
W035	325.96 / 325.67	API 3000	3407.93 m	6 inch
(BANGESTAN)				

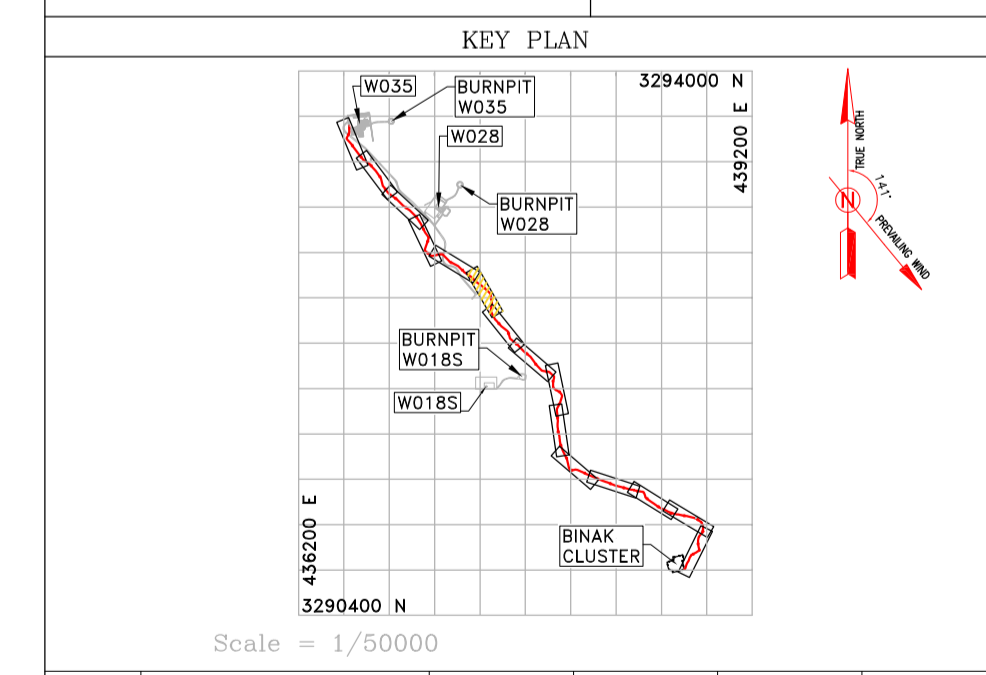
ABBREVIATIONS

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

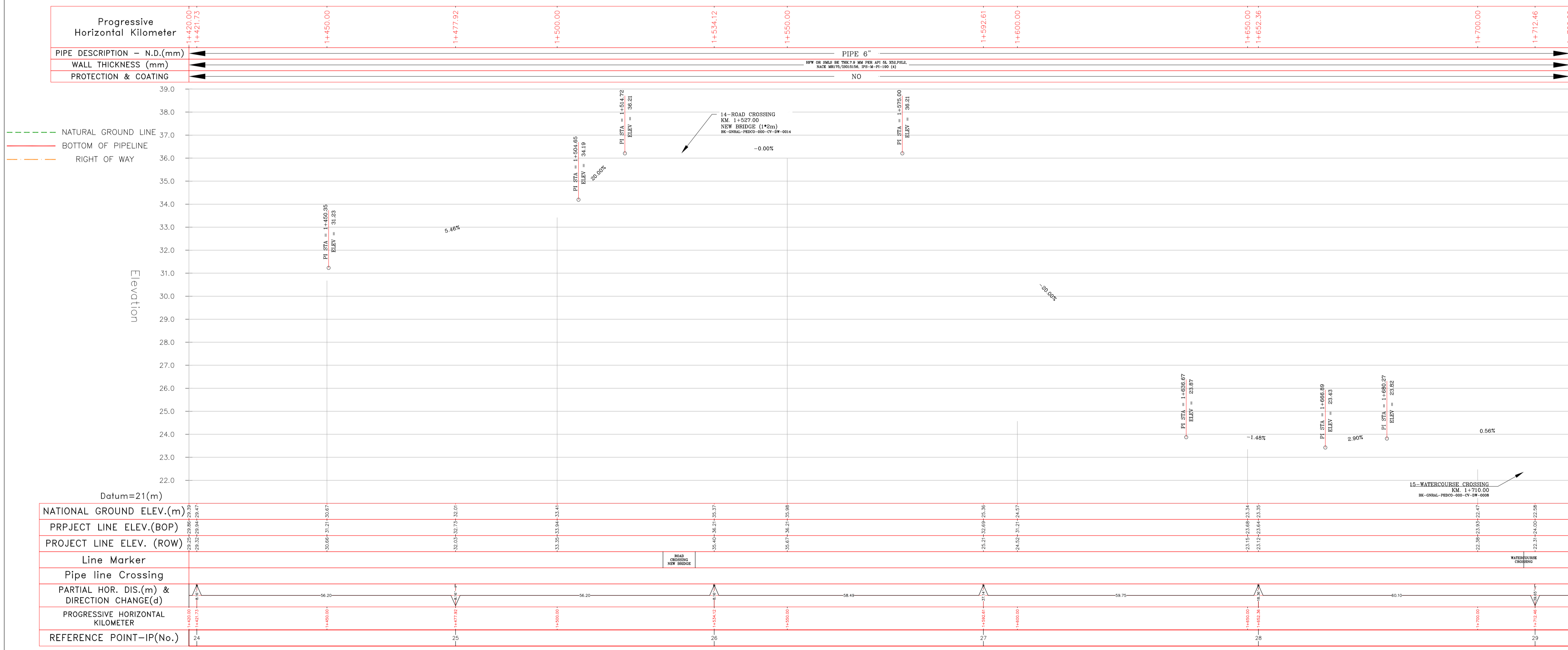
LEGEND

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

REFERENCE DRAWING	DRG. No.
General Civil Layout - W035	BK-W035-PEDCO-110-CV-PY-0001
Civil and Structural drawings - W035	BK-W035-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W035	BK-W035-PEDCO-110-PI-DW-0001
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&W	BK-GNRL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-GNRL-PEDCO-000-CV-DW-0014
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 Continuous Weight	BK-GNRL-PEDCO-000-CV-DW-0010



PROFILE From KM:1+420.00 To KM:1+720.00



Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Coordinate of Bench Marks (UTM)			COORDINATES OF INTERSECTION POINTS (UTM)															
						Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)							
14	ROAD CROSSING	1+523.00	1+530.00	BK-GNRL-PEDCO-000-CV-DW-0014	NEW BRIDGE 1*2m	BM12	3292567.901	437294.141	35.395	IP24	1+421.73	3292638.33	437340.77											
15	WATERCOURSE CROSSING	1+710.00		BK-GNRL-PEDCO-000-PL-DW-0008						IP25	1+477.92	3292599.64	437381.53											
										IP26	1+534.12	3292677.13	437427.97											
										IP27	1+592.61	3292526.86	437469.79											
										IP28	1+652.36	3292467.90	437479.49											
										IP29	1+712.46	3292408.55	437470.07											

Bill of Materials

Quantity	Description	Unit
1	PIPE LINE 6"	300 (m)

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PEDCO

CLIENT: PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: Flow line Plan & Profile Drawings - W035

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001	6 OF 15	D00

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

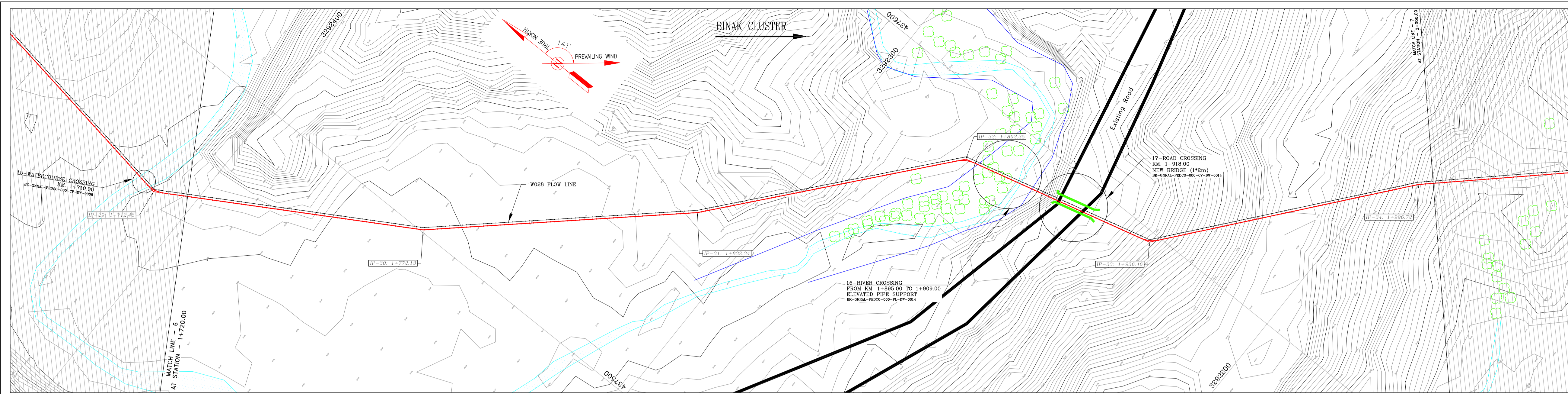
APPROVED FOR CONSTRUCTION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

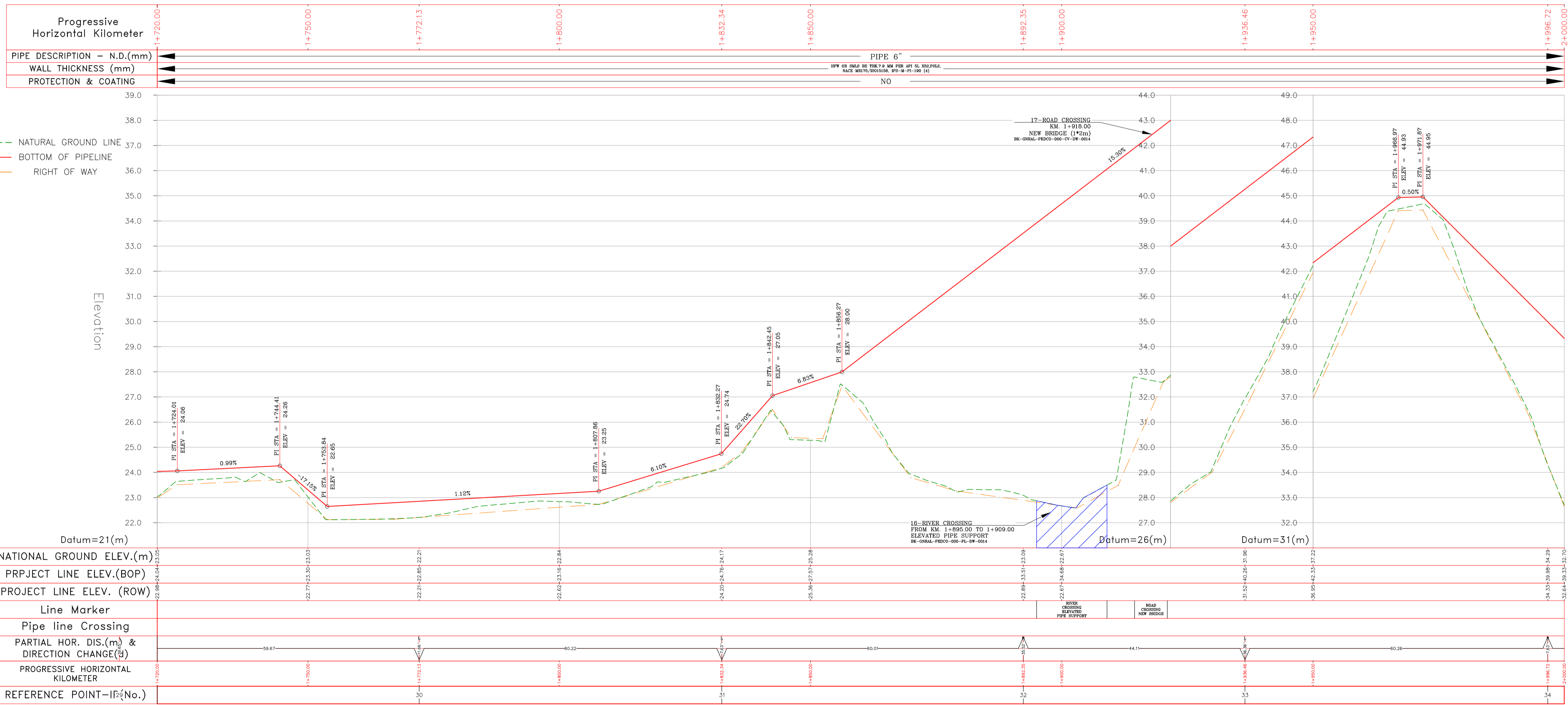
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	A	707785	6	D00



PROFILE From KM:1+720.00 To KM:2+000.00



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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
W035	325.96 / 325.67	API 3000	3407.93 m	6 inch
(BANGESTAN)				

ABBREVIATIONS

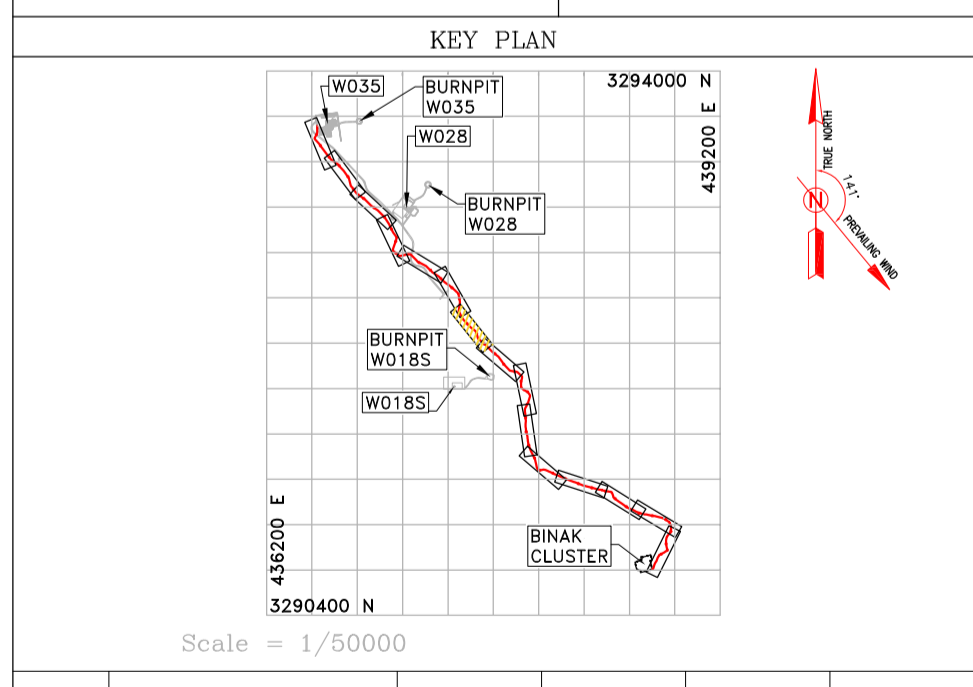
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B.O.P.L=Bottom of Pipe Level	GR=Gravel Road
R.O.W.L=Right of Way Level	PLC=Pipe Line Corridor
PC=Pipe Line Crossing	PL=Pipe Line
OF=Optical Fiber	CH=Channel
B.M.=Bench Mark	

LEGEND

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

REFERENCE DRAWING

General Civil Layout - W035	DRG. No.
Civil and Structural drawings - W035	BK-W035-PEDCO-110-CV-PY-0001
Plot Plan Drawing - W035	BK-W035-PEDCO-110-CV-PY-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&W	BK-GNRL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-GNRL-PEDCO-000-CV-DW-0014
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 Continuous Weight	BK-GNRL-PEDCO-000-CV-DW-0010



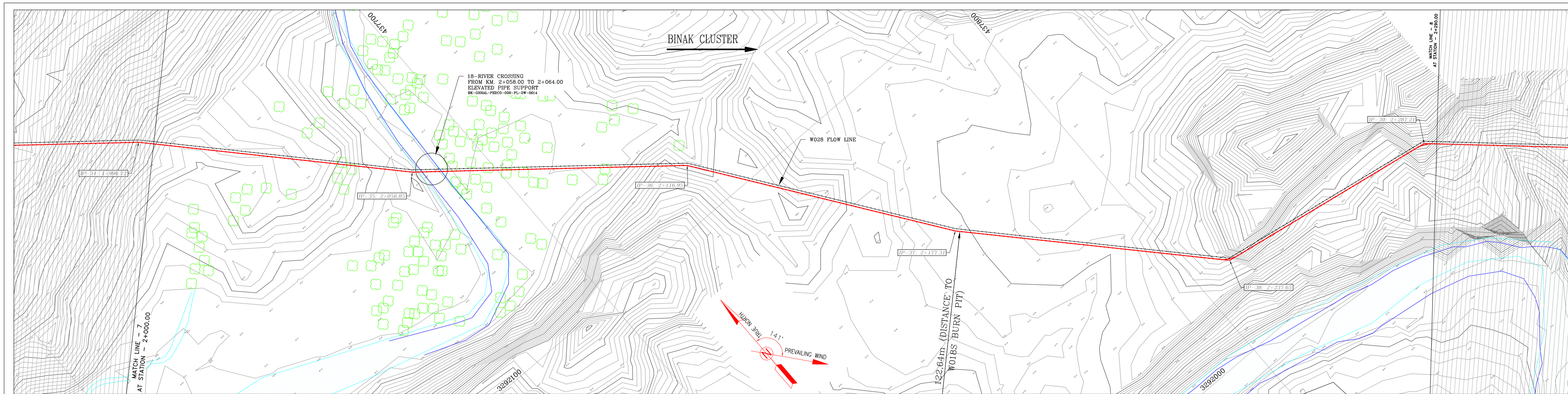
Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Coordinate of Bench Marks (UTM)			COORDINATES OF INTERSECTION POINTS (UTM)								
						Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
16	RIVER CROSSING	1+985.00	1+909.00	BK-GNRL-PEDCO-000-PL-DW-0014	ELEVATED PIPE SUPPORT					IP30	1+772.13	3292357.21	437500.48				
17	ROAD CROSSING	1+914.50	1+921.00	BK-GNRL-PEDCO-000-CV-DW-0014	NEW BRIDGE 1*2m					IP31	1+832.34	3292312.66	437541.00				
										IP32	1+892.35	3292274.02	437596.91				
										IP33	1+936.46	3292231.30	437597.88				
										IP34	1+996.72	3292193.18	437644.55				
						Bill of Materials											
						1	PIPE LINE 6"	280 (m)									

DOO	JAN 2023	IPC	R.BERLAUHE	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
DRAWING TITLE: Flow line Plan & Profile Drawings - W035						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	
H=1:500	A1	BK-W035-PEDCO-110-SU-DW-0001		7 OF 15	DOO	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	A	707785	7	DOO

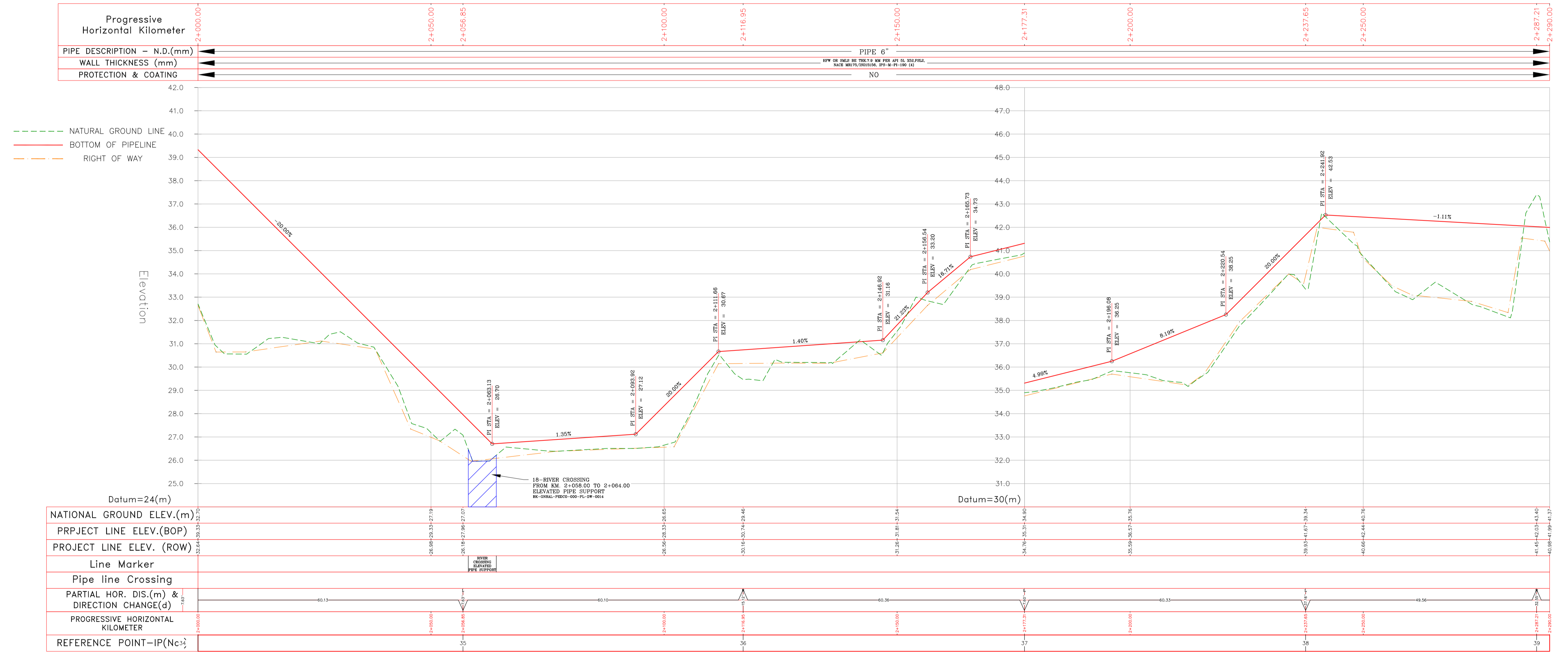
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APPROVED FOR CONSTRUCTION BY: DATE:



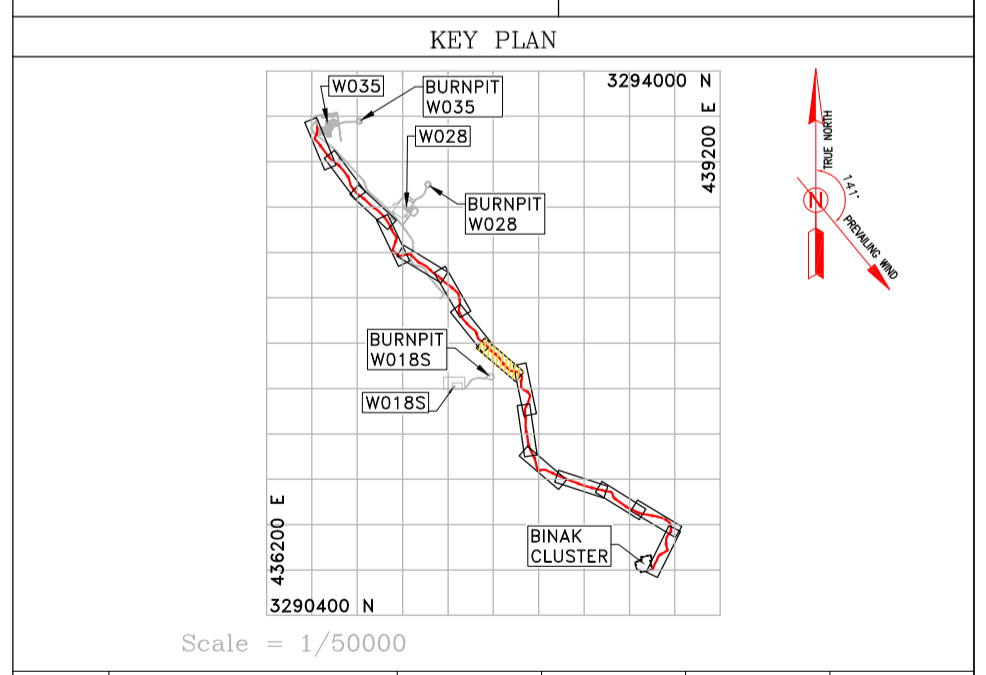
PROFILE From KM:2+000.00 To KM:2+290.00



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- WELL NAME: PRESSURE (SUM/WIN) (PSIG) PIPING DESIGN RATING TOTAL LENGTH SIZE
 W035 325.96 / 325.67 API 3000 3407.93 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
 - New GRAVEL ROAD
 - ASPHALT ROAD
 - STAIR
 - TRENCH
 - EMBANKMENT
 - FENCE
 - BURNING PIT LINE
 - WATER LINE
 - BUILDING
 - CONCRETE AREA
 - SEPTIC
 - MANHOLE
 - POLE
 - HELIPAD
 - CHANNEL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - TRIG POINT
 - CULVERT
 - WELL LOCATION
 - WELL
 - SITE
 - CAMP SITE
 - Existing Oil Pipe Line
 - New Oil Pipe Line
 - GAS Pipe Line (UG)

REFERENCE DRAWING	DRG. No.
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Standard Drawing For Existing Pipeline Crossing	BK-GNRL-PEDCO-000-PL-DW-0006
Standard Drawing For Above Ground Pipeline Construction R&W	BK-GNRL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-GNRL-PEDCO-000-CV-DW-0014
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 Continuous 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	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
18	RIVER CROSSING	2+058.00	2+064.00	BK-GNRL-PEDCO-000-PL-DW-0014	BM7U	3291906.262	437563.762	41.733	IP35	2+056.85	3292149.29	437685.66	IP36	2+116.95	3292111.27	437732.21
									IP37	2+177.31	3292002.21	437767.37	IP38	2+237.65	3292018.25	437808.70
									IP39	2+287.21	3292009.98	437857.56				

Bill of Materials			
1	PIPE LINE 6"	290 (m)	

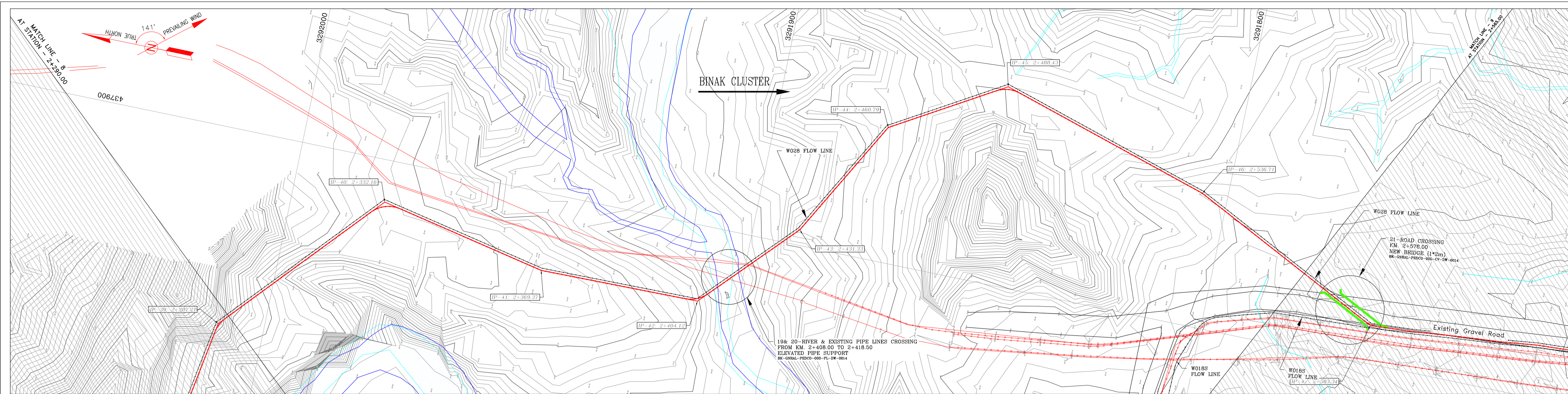
REV.	DESCRIPTION	BY	DATE	BY	DATE
000	*****	***	*****	***	*****
001	JAN 2023	IFC	R.BERLAUJE	M.FAKHARIAN	M.MEHRSHAD
002	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES					
PROJECT NO.: 971020					
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):		
DRAWING TITLE: Flow line Plan & Profile Drawings - W035					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001	8 OF 15	D00	053-073-9184 F 4 A 707785 8 D00

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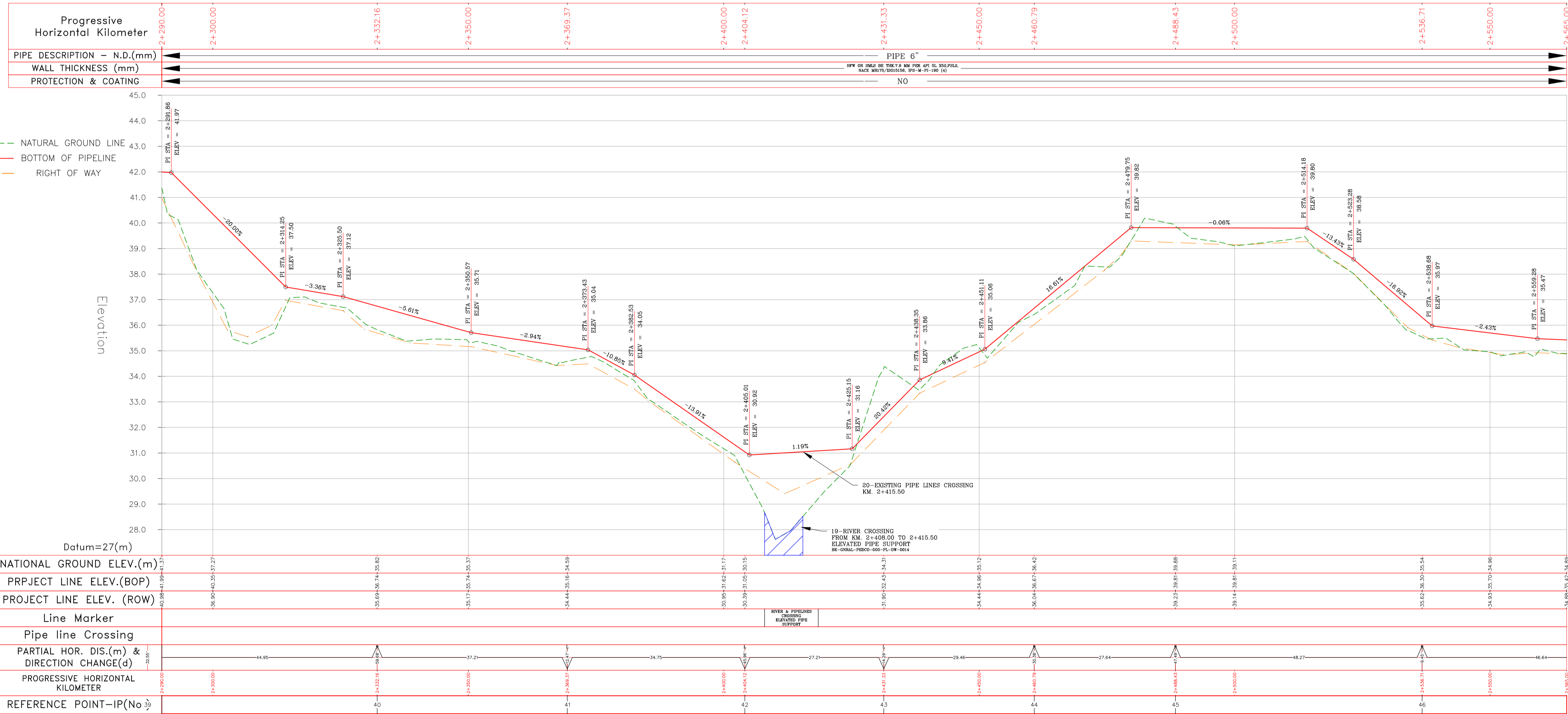
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



PROFILE From KM:2+290.00 To KM:2+565.00



Datum=27(m)		NATIONAL GROUND ELEV.(m)	PRPJECT LINE ELEV.(BOP)	PROJECT LINE ELEV. (ROW)
Line Marker	Pipe line Crossing	PARTIAL HOR. DIS.(m) & DIRECTION CHANGE(d)	PROGRESSIVE HORIZONTAL KILOMETER	REFERENCE POINT-IP(No)

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 VERTICAL DATUM: MEAN SEA LEVEL
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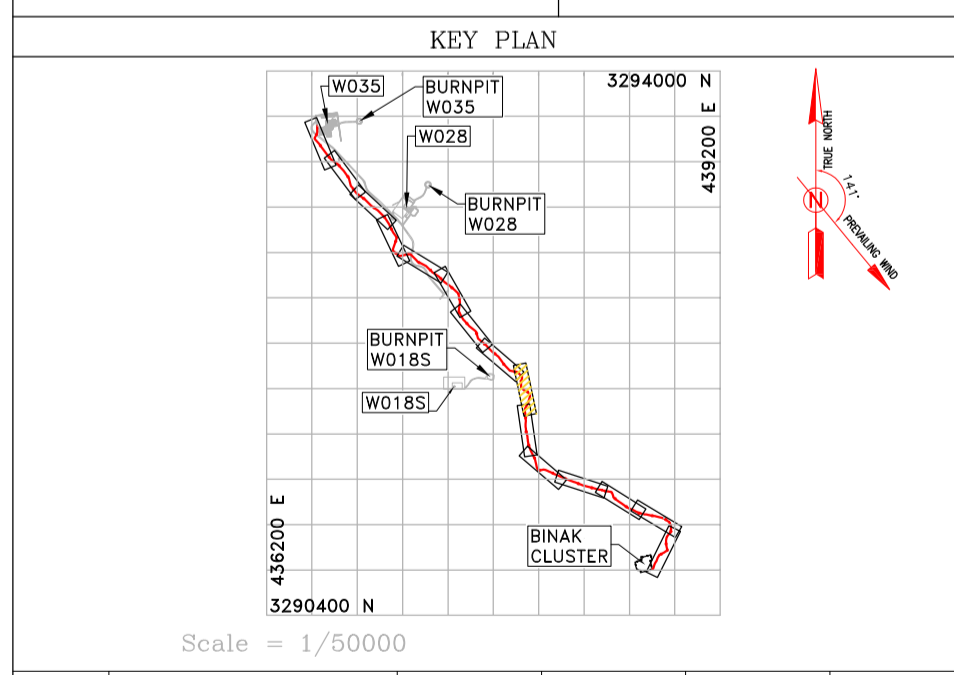
WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH	SIZE
W035 (BANGSTAN)	325.96/ 325.67	API 3000	3407.93 m	6 inch

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- LEGEND**
- Existing GRAVEL ROAD
 - New GRAVEL ROAD
 - ASPHALT ROAD
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 - BURNING PIT LINE
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 - CHANNEL
 - RIVER
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 - CONTOURS
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 - WELL LOCATION
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 - CAMP SITE
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 - GAS Pipe Line (UG)

REFERENCE DRAWING

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Plot Plan Drawing - W035	BK-W035-PEDCO-110-CV-PY-0002
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Standard Drawing For Existing Pipeline Crossing	BK-GNRL-PEDCO-000-PL-DW-0006
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Standard Drawing For Culvert & Details	BK-GNRL-PEDCO-000-CV-DW-0014
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 Continuous Key	BK-GNRL-PEDCO-000-CV-DW-0010

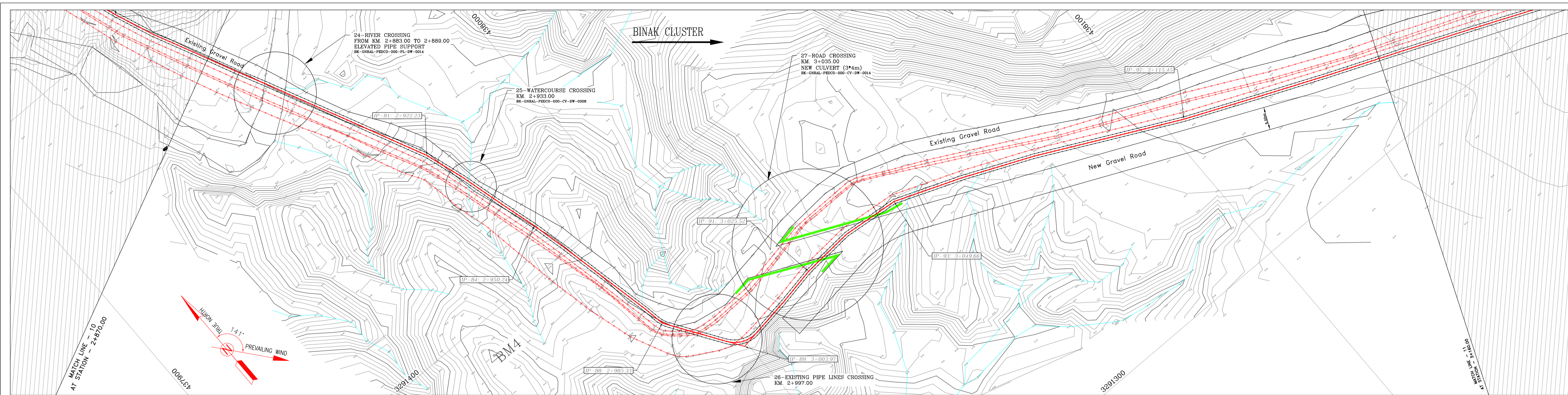


Crossing List					Coordinate of Bench Marks (UTM)			COORDINATES OF INTERSECTION POINTS (UTM)									
Item	Description	Start (KM)	End (KM)	Reference Sheet	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)	
19	RIVER CROSSING	2+408.00	2+415.50	BK-GNRL-PEDCO-000-PL-DW-0014	ELEVATED PIPE SUPPORT	BM6	3291773.355	437781.148	42.141	IP40	2+332.16	3291979.81	437890.89	IP41	2+369.37	3291943.40	437883.25
20	EXISTING PIPELINES CROSSING	2+412.50	2+418.50							IP42	2+404.12	3291908.64	437883.63	IP43	2+431.33	3291889.94	437903.39
										IP44	2+460.79	3291875.60	437929.13	IP45	2+488.43	3291851.79	437943.15
										IP46	2+536.71	3291805.62	437829.03				

Bill of Materials		
1	PIPE LINE 6"	275 (m)

DOO	JAN 2023	IFC	R.BERLAUHE	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES						
PROJECT NO.: 971020			EPD/EPC CONTRACTOR (GC):			
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: Flow line Plan & Profile Drawings - W035						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	BUDGET REF. LOCATION
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001		9 OF 15	DOO	053-073-9184

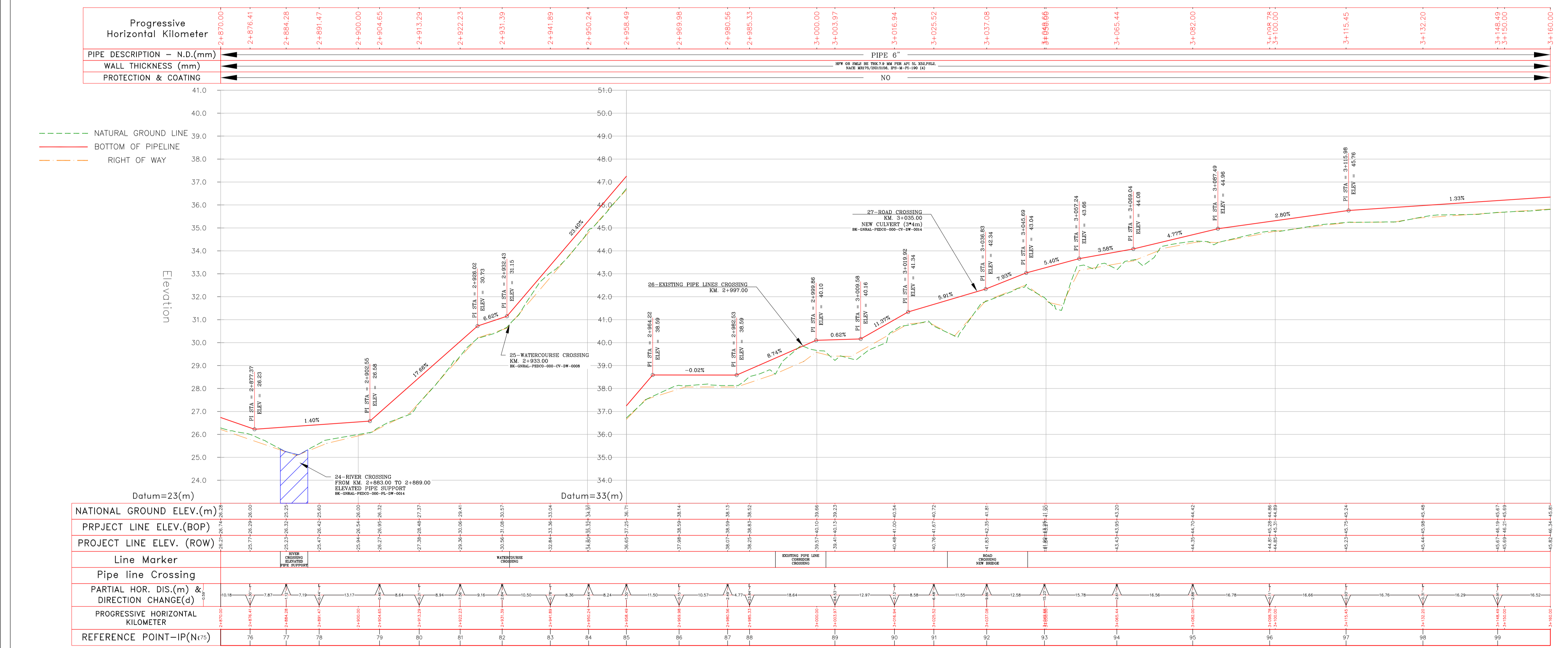
REV.	DESCRIPTION	BY	DATE	BY	DATE	
***	*****	***	*****	***	*****	
CHECKED						
REV. APPR.						
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS						
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES						
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	707785	9	DOO



- 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
W035 | 325.96 / 325.67 | API 3000 | 3407.93 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

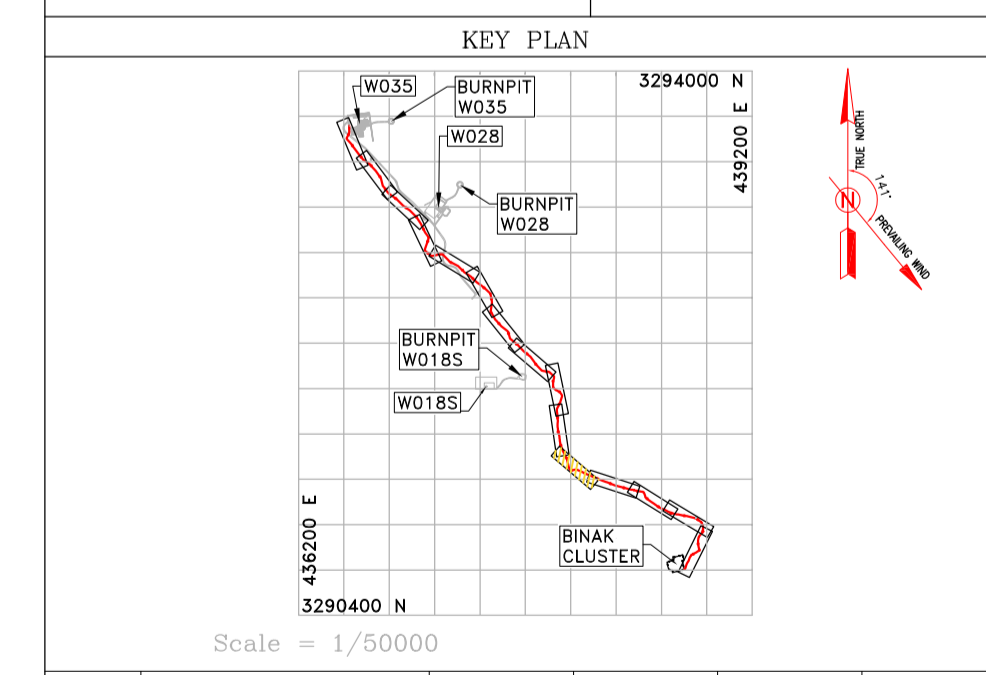
- LEGEND**
- Existing GRAVEL ROAD
 - New GRAVEL ROAD
 - ASPHALT ROAD
 - STAIR
 - TRENCH
 - EMBANKMENT
 - FENCE
 - BURNING PIT LINE
 - WATER LINE
 - BUILDING
 - CONCRETE AREA
 - SEPTIC
 - MANHOLE
 - POLE
 - HELIPAD
 - CHANNEL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - TRIG POINT
 - CULVERT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

PROFILE From KM:2+870.00 To KM:3+160.00



REFERENCE DRAWING

General Civil Layout - W035	DRG. No.
Civil and Structural drawings - W035	BK-W035-PEDCO-110-CV-PY-0001
Plot Plan Drawing - W035	BK-W035-PEDCO-110-CV-PY-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-0014
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 Continuous 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)
24	RIVER CROSSING	2+883.00	2+889.00	BK-GNRL-PEDCO-000-PL-DW-0014	ELEVATED PIPE SUPPORT	BM4	3291392.787	437956.401	41.867	IP78	2+876.41	3291476.77	437953.57	IP77	2+884.28	3291469.73	437957.09
25	WATERCOURSE CROSSING	2+933.00		BK-GNRL-PEDCO-000-PL-DW-0008						IP79	2+904.65	3291451.38	437965.92	IP80	2+913.29	3291443.58	437969.63
26	EXISTING PIPE LINE CORRIDOR CROSSING	2+991.00	3+002.00							IP81	2+922.23	3291435.51	437973.50	IP82	2+931.39	3291428.81	437976.33
27	ROAD CROSSING	3+028.50	3+046.00	BK-GNRL-PEDCO-000-CV-DW-0014	NEW BRIDGE 3*4m					IP83	2+941.89	3291416.67	437979.09	IP84	2+950.24	3291408.64	437981.39

Bill of Materials		
Quantity	Description	Unit
1	PIPE LINE 6"	290 (m)

REV.	DESCRIPTION	BY	DATE	BY	DATE
000	*****	*****	*****	*****	*****

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

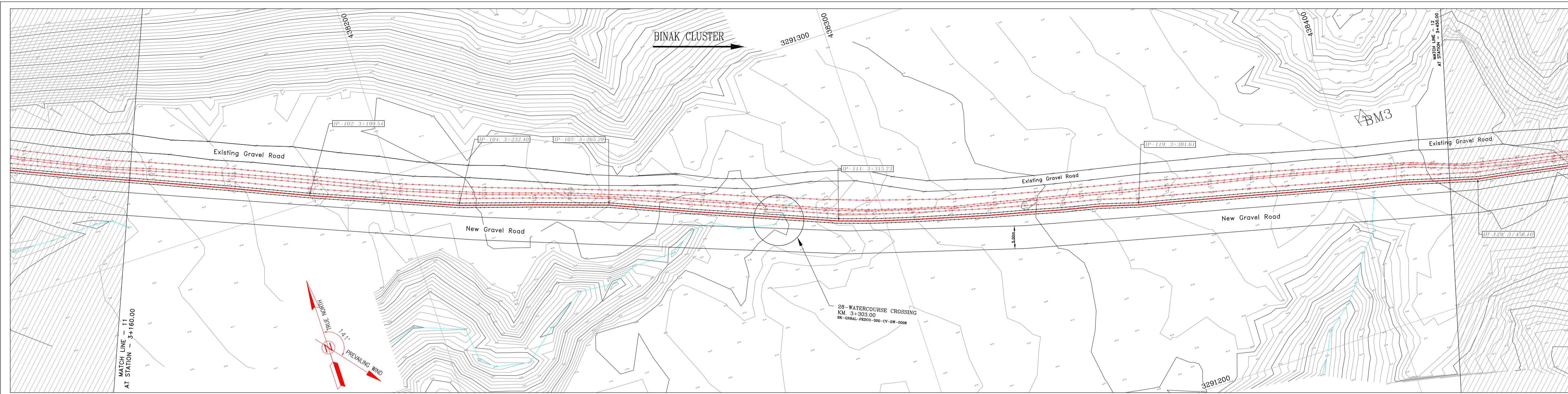
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: Flow line Plan & Profile Drawings - W035

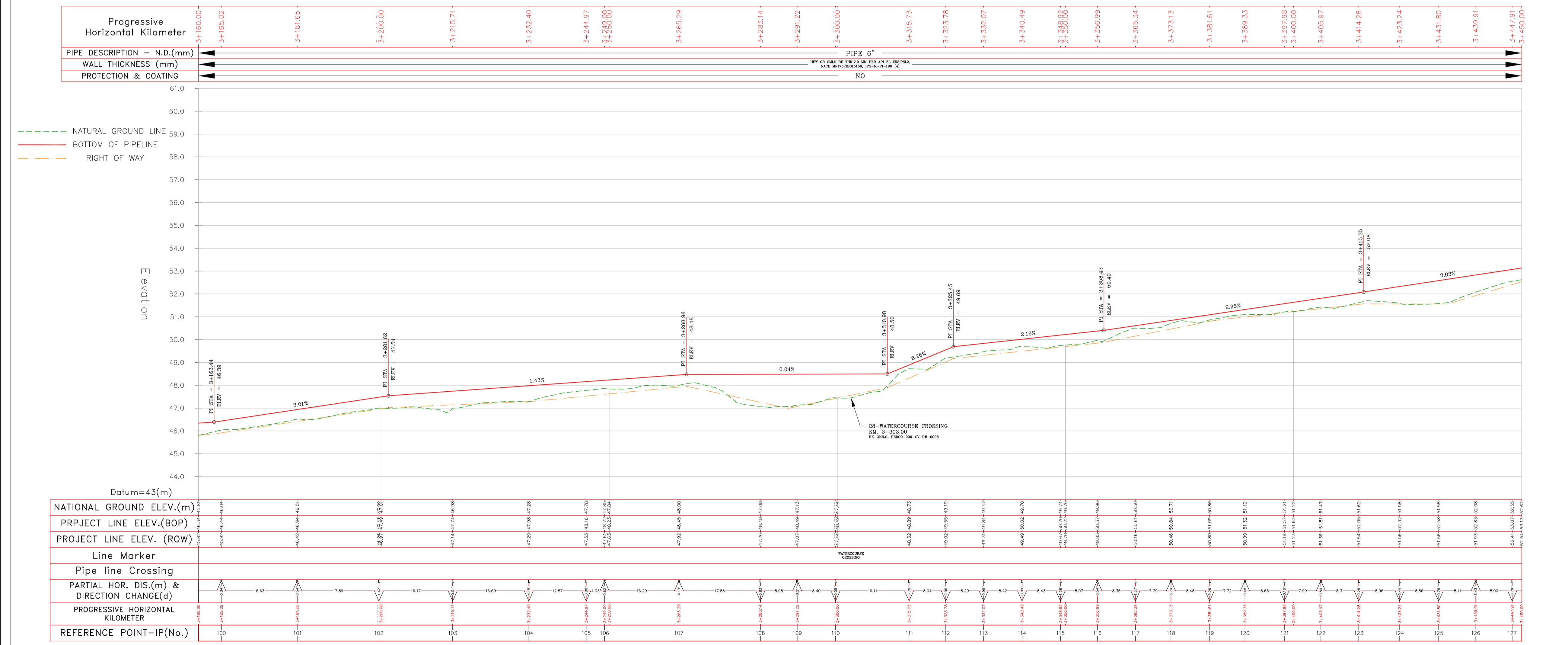
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001	11 OF 15	D00	053-073-9184	F	4	A	707785	11 D00



PROFILE From KM:3+160.00 To KM:3+450.00

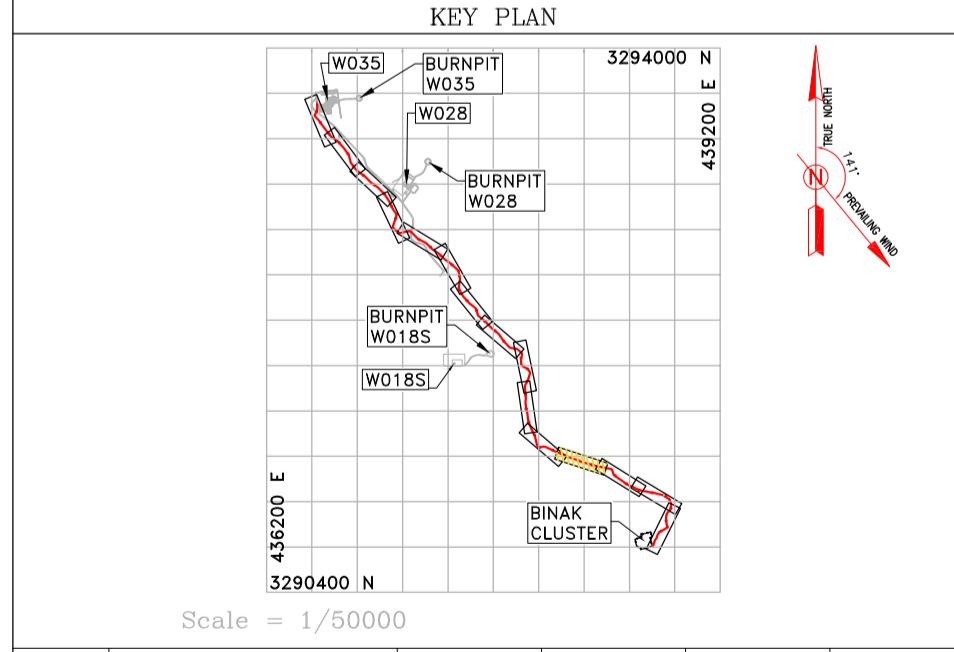


Crossing List					Coordinate of Bench Marks (UTM)			COORDINATES OF INTERSECTION POINTS (UTM)								
Item	Description	Start (KM)	End (KM)	Reference Sheet	Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
28	WATERCOURSE CROSSING	3+303.00		BK-GNRL-PEDCO-000-PL-DW-0008	BM3	3291246.120	438406.560	52.668	IP100	3+165.02	3291314.97	438149.90	IP127	3+447.91	3291227.55	438418.25
									IP101	3+181.65	3291308.54	438165.24				
									IP102	3+199.54	3291301.47	438181.68				
									IP103	3+215.71	3291295.45	438196.68				
									IP104	3+232.40	3291289.25	438212.17				
									IP105	3+244.97	3291285.42	438224.15				
									IP106	3+249.00	3291284.20	438227.99				
									IP107	3+265.29	3291279.08	438243.45				
									IP108	3+283.14	3291272.25	438259.95				
									IP109	3+291.22	3291269.26	438267.45				
									IP110	3+299.62	3291266.13	438275.25				
									IP111	3+315.73	3291260.15	438290.21				
									IP112	3+323.78	3291257.86	438297.85				
									IP113	3+332.07	3291255.38	438305.83				
									IP114	3+340.49	3291253.20	438313.96				
									IP115	3+348.92	3291251.03	438322.11				
									IP116	3+356.99	3291249.15	438329.96				
									IP117	3+365.34	3291247.12	438338.05				
									IP118	3+373.13	3291245.44	438345.66				
									IP119	3+381.61	3291243.07	438353.81				
									IP120	3+389.33	3291241.34	438361.33				
									IP121	3+397.98	3291239.33	438369.74				
									IP122	3+405.97	3291237.49	438377.52				
									IP123	3+414.28	3291235.51	438385.59				
									IP124	3+423.24	3291233.41	438393.94				
									IP125	3+431.80	3291231.46	438402.64				
									IP126	3+439.91	3291229.73	438410.56				

Bill of Materials	
1	PIPE LINE 6" 290 (m)

- NOTES**
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
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 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MEAN SEA LEVEL
 - 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
 W035 (BANGESTAN) 325.96/ 325.67 API 3000 3407.93 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 Line PLC=Pipe Line Corridor
 PC=Pipe Line Crossing PL=Pipe Line
 OF=Optical Fiber CH=Channel
 B.M.=Bench Mark
- LEGEND**
- Existing GRAVEL ROAD
 - New GRAVEL ROAD
 - ASPHALT ROAD
 - STAIR
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 - EMBANKMENT
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 - BUILDING
 - CONCRETE AREA
 - SEPTIC
 - MANHOLE
 - POLE
 - HELIPAD
 - CHANNEL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - TRIG POINT
 - CULVERT
 - WELL LOCATION
 - WELL
 - SITE
 - CAMP SITE
 - Existing Oil Pipe Line
 - New Oil Pipe Line
 - GAS Pipe Line (UG)

REFERENCE DRAWING	DRG. No.
General Civil Layout - W035	BK-W035-PEDCO-110-CV-PY-0001
Civil and Structural drawings - W035	BK-W035-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W035	BK-W035-PEDCO-110-PI-DW-0001
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
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Standard Drawing For Culvert & Details	BK-GNRL-PEDCO-000-CV-DW-0014
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 Continuous Weight	BK-GNRL-PEDCO-000-CV-DW-0010



REV.	DESCRIPTION	BY	DATE	BY	DATE
000					
001					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

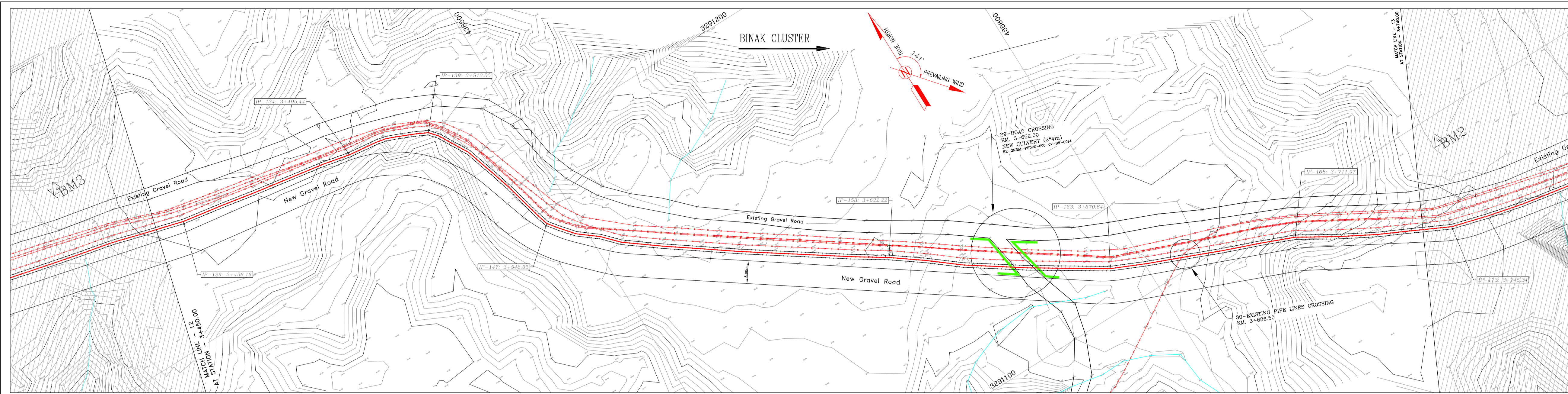
DRAWING TITLE: Flow line Plan & Profile Drawings - W035

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001	12 OF 15	D00	053-073-9184	F	4	A	707785	12	D00



- NOTES**
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 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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 - 7- THE EXACT LOCATION AND NUMBER OF SUPPORT OF HILLSIDE ANCHORS SHALL BE ADJUSTED & CONFIRMED BY THE CLIENT REPRESENTATIVE AT SITE.

WELL NAME	W035	W035 (BANGESTAN)	PRESSURE (SUM/WIN) (PSIG)	API 3000	PIPING DESIGN RATING	TOTAL LENGTH	3407.93 m	6 inch
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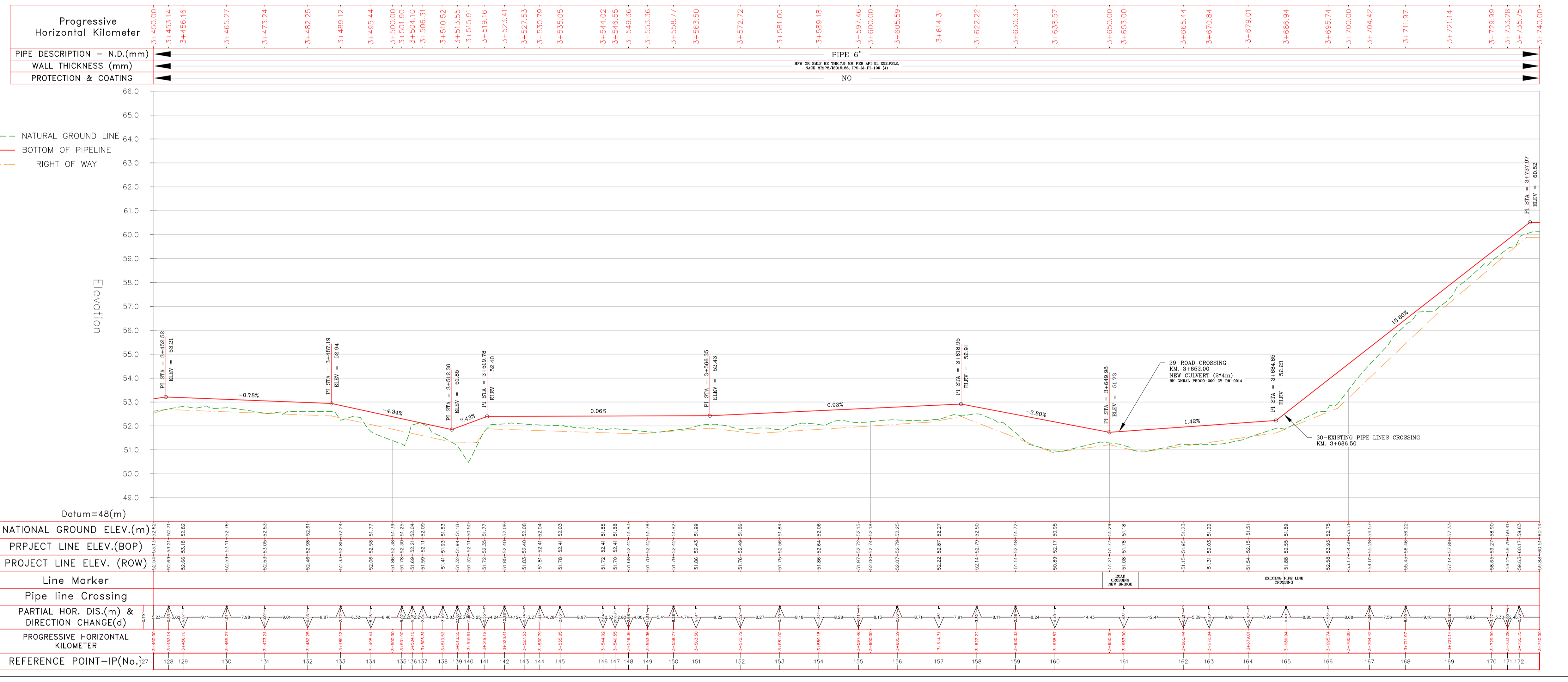
ABBREVIATIONS

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		WATER LINE
	BURNING PIT LINE		BUILDING
	WATER LINE		CONCRETE AREA
	BUILDING		SEPTIC
	CONCRETE AREA		WELL LOCATION
	SEPTIC		WELL
	MANHOLE		POLE
	POLE		SITE
	HELIPAD		CAMP SITE
	Existing Oil Pipe Line		
	New Oil Pipe Line		
	GAS Pipe Line (UG)		

PROFILE From KM:3+450.00 To KM:3+740.00



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)	
29	ROAD CROSSING	3+648.50	3+656.00	BK-GNRL-PEDCO-000-CV-DW-0014	NEW BRIDGE 2*4m	BM2	3291094.731	438668.962	61.149	IP28	3+453.14	3291226.19	438423.31	IP55	3+597.46	3291150.71	438532.75					
30	EXISTING PIPE LINE CROSSING		3+686.50			BM3	3291246.120	438406.560	52.668	IP29	3+456.16	3291225.39	438426.21	IP56	3+605.59	3291146.10	438539.44					

Bill of Materials			
Quantity	Description	Unit	Remarks
1	PIPE LINE 6"	290 (m)	

REFERENCE DRAWING

General Civil Layout - W035	DRG. No.
Civil and Structural drawings - W035	BK-W035-PEDCO-110-CV-PY-0001
Plot Plan Drawing - W035	BK-W035-PEDCO-110-CV-PY-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&W	BK-GNRL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-GNRL-PEDCO-000-CV-DW-0014
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 Continuous Weight	BK-GNRL-PEDCO-000-CV-DW-0010

KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE
000	JAN 2023	IFC	R.BERLAUHE	M.FAKHARIAN	M.MEHRSHAD
001	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

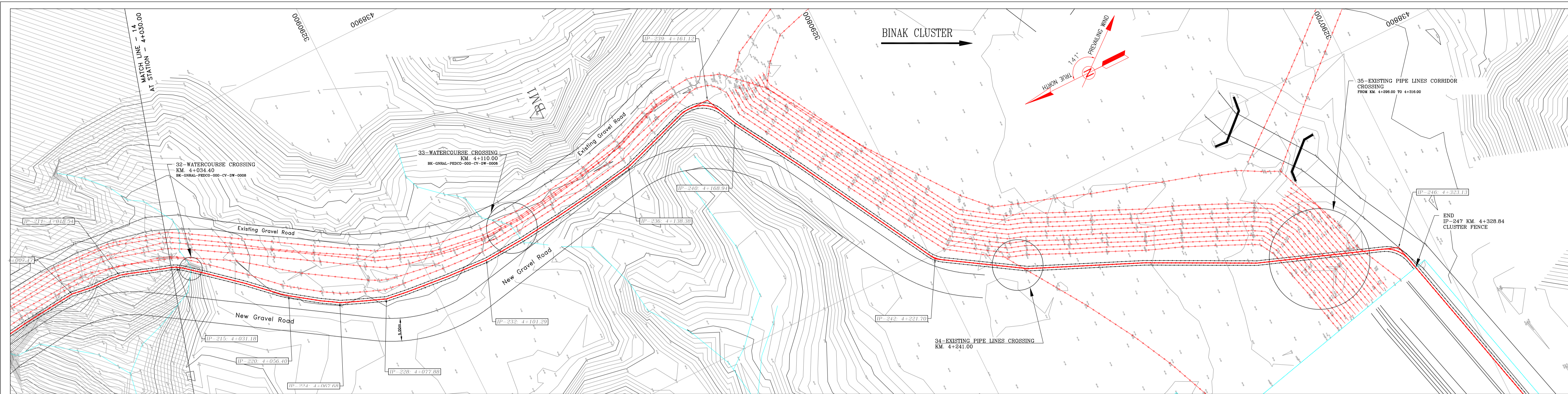
DRAWING TITLE: Flow line Plan & Profile Drawings - W035

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

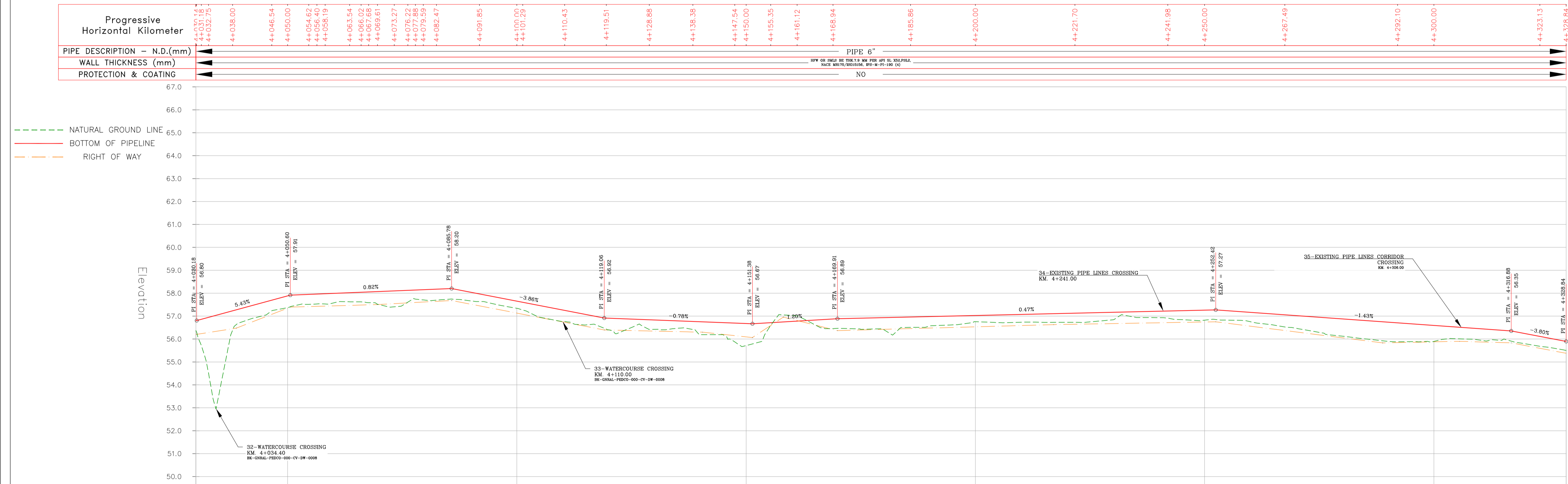
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION	
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001	13 OF 15	D00	053-073-9184	F	4	A	707785	13	D00



PROFILE From KM:4+030.00 To KM:4+328.84



Datum=49(m)		NATIONAL GROUND ELEV.(m)		PRPJECT LINE ELEV.(BOP)		PROJECT LINE ELEV. (ROW)		Line Marker		Pipe line Crossing		PARTIAL HOR. DIS.(m) & DIRECTION CHANGE(d)		PROGRESSIVE HORIZONTAL KILOMETER		REFERENCE POINT-IP(No.)	
2.21	2.216	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	2.21
2.21	2.216	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	2.21
2.21	2.216	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	2.21
2.21	2.216	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	56.80	2.21

Item	Description	Start (KM)	End (KM)	Reference Sheet	Note	Coordinate of Bench Marks (UTM)			COORDINATES OF INTERSECTION POINTS (UTM)								
						Points	Northing (m)	Easting (m)	Elevation (m)	No.	KILOMETER	Northing (m)	Easting (m)	No.	KILOMETER	Northing (m)	Easting (m)
32	WATERCOURSE CROSSING	4+034.40		BK-GNRAL-PEDCO-000-PL-DW-0008		BM1	3290863.132	438865.839	69.495	IP214	4+030.14	3290949.35	438871.24	IP241	4+185.66	3290816.71	438830.36
33	WATERCOURSE CROSSING	4+110.00		BK-GNRAL-PEDCO-000-PL-DW-0008						IP215	4+031.18	3290948.41	438870.79	IP242	4+221.70	3290799.35	438799.03
34	EXISTING PIPE LINE CROSSING	4+241.00								IP216	4+032.75	3290947.12	438869.91	IP243	4+241.98	3290782.21	438788.20
35	EXISTING PIPE LINE CORRIDOR CROSSING	4+296.00	4+316.00							IP217	4+036.00	3290943.08	438866.56	IP244	4+267.49	3290758.81	438778.04

Bill of Materials			
Quantity	Description	Unit	Total
1	PIPE LINE 6"	m	298.84 (m)

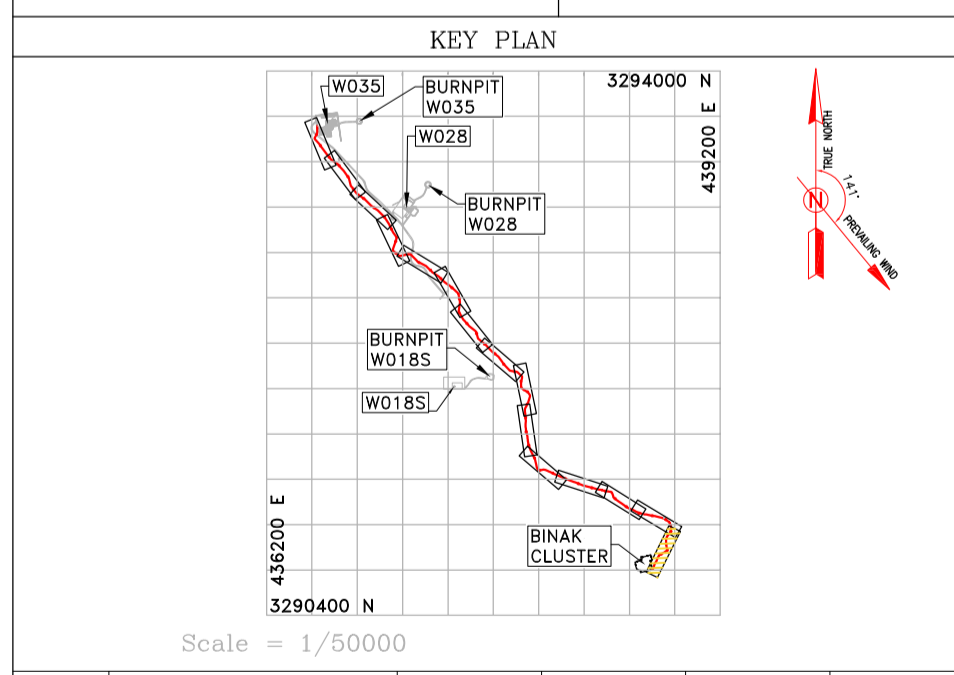
- NOTES**
- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
VERTICAL DATUM: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
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 SPECIFIED 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
W035 (BANGESTAN)	325.96 / 325.67	API 3000	3407.93 m	6 inch

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

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

REFERENCE DRAWING	DRG. No.
General Civil Layout - W035	BK-W035-PEDCO-110-CV-PY-0001
Civil and Structural Drawings - W035	BK-W035-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W035	BK-W035-PEDCO-110-PI-DW-0001
Standard Drawing For A/G Pipeline Road Crossing	BK-GNRAL-PEDCO-000-PL-DW-0005
Standard Drawing For Existing Pipeline Crossing	BK-GNRAL-PEDCO-000-PL-DW-0006
Standard Drawing For Above Ground Pipeline Construction R.O.W	BK-GNRAL-PEDCO-000-PL-DW-0002
Standard Drawing For Culvert & Details	BK-GNRAL-PEDCO-000-CV-DW-0014
Pipeline Standard Drawing For Cover Slabs And Set-On-Weight	BK-GNRAL-PEDCO-000-PL-DW-0013
Pipeline Standard Drawing For River Crossing	BK-GNRAL-PEDCO-000-PL-DW-0014
Pipeline Standard Drawing For Anchor Support	BK-GNRAL-PEDCO-000-PL-DW-0004
Pipeline Standard Drawing For H-Pipe Support	BK-GNRAL-PEDCO-000-PL-DW-0010
Specification For Pipeline Cold Bending	BK-GNRAL-PEDCO-000-PL-SP-0003
Standard Drawing For Concrete Continuous Weir	BK-GNRAL-PEDCO-000-CV-DW-0010



DOO	JAN 2023	IFC	R.BERLAUHE	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W035 WELLHEAD FACILITIES						
PROJECT NO.: 971020			EPD/EPC CONTRACTOR (GC):			
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: Flow line Plan & Profile Drawings - W035						
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001	15 OF 15	DOO	053-073-9184	F

REV.	DESCRIPTION	BY	DATE	BY	DATE						
***	*****	***	*****	***	*****						
CHECKED											
REV. APPR.											
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED											
APPROVED FOR CONSTRUCTION			BY:								
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	DATE:						
APPROVED FOR CONSTRUCTION											
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:500 V=1:100	A1	BK-W035-PEDCO-110-SU-DW-0001	15 OF 15	DOO	053-073-9184	F	4	A	707785	15	DOO