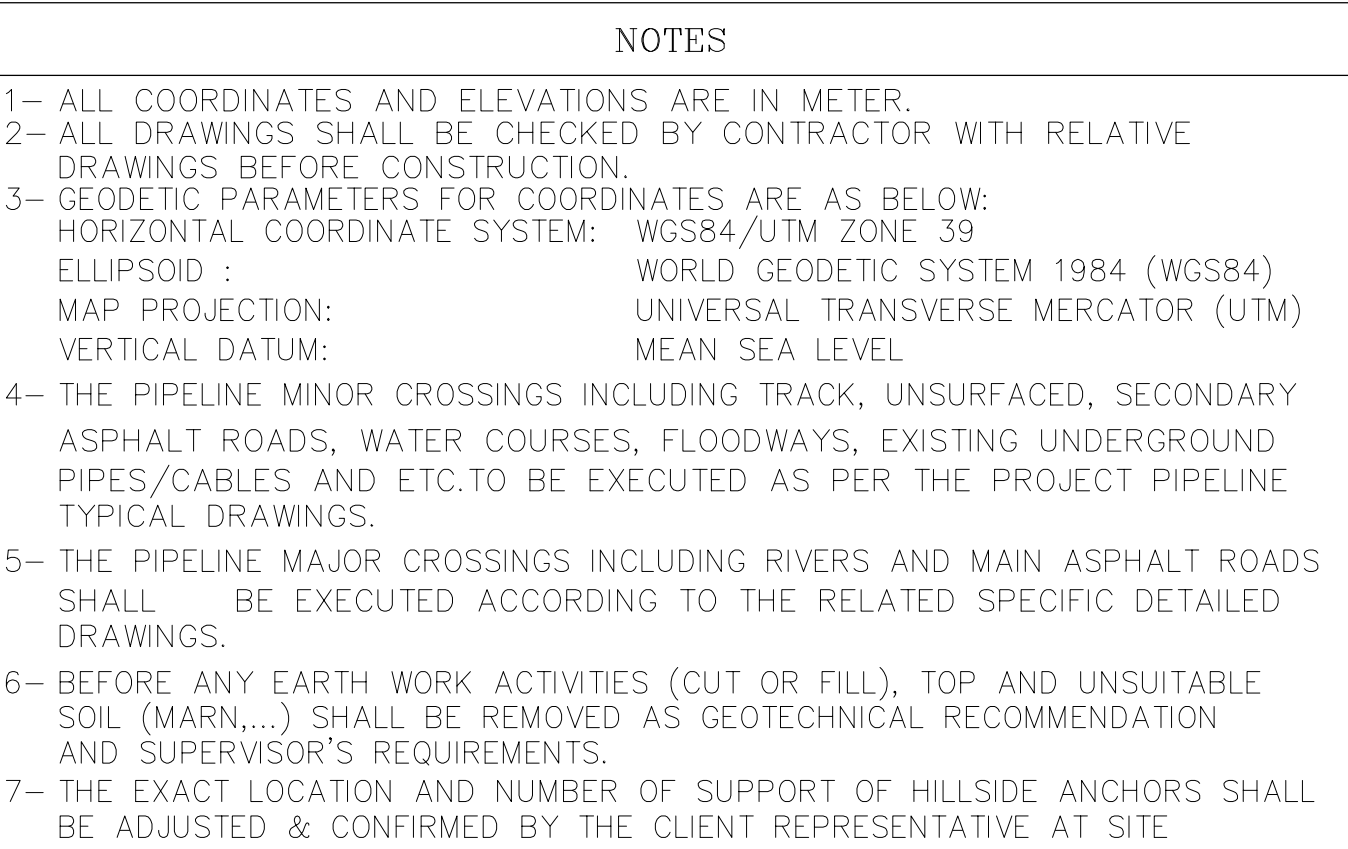
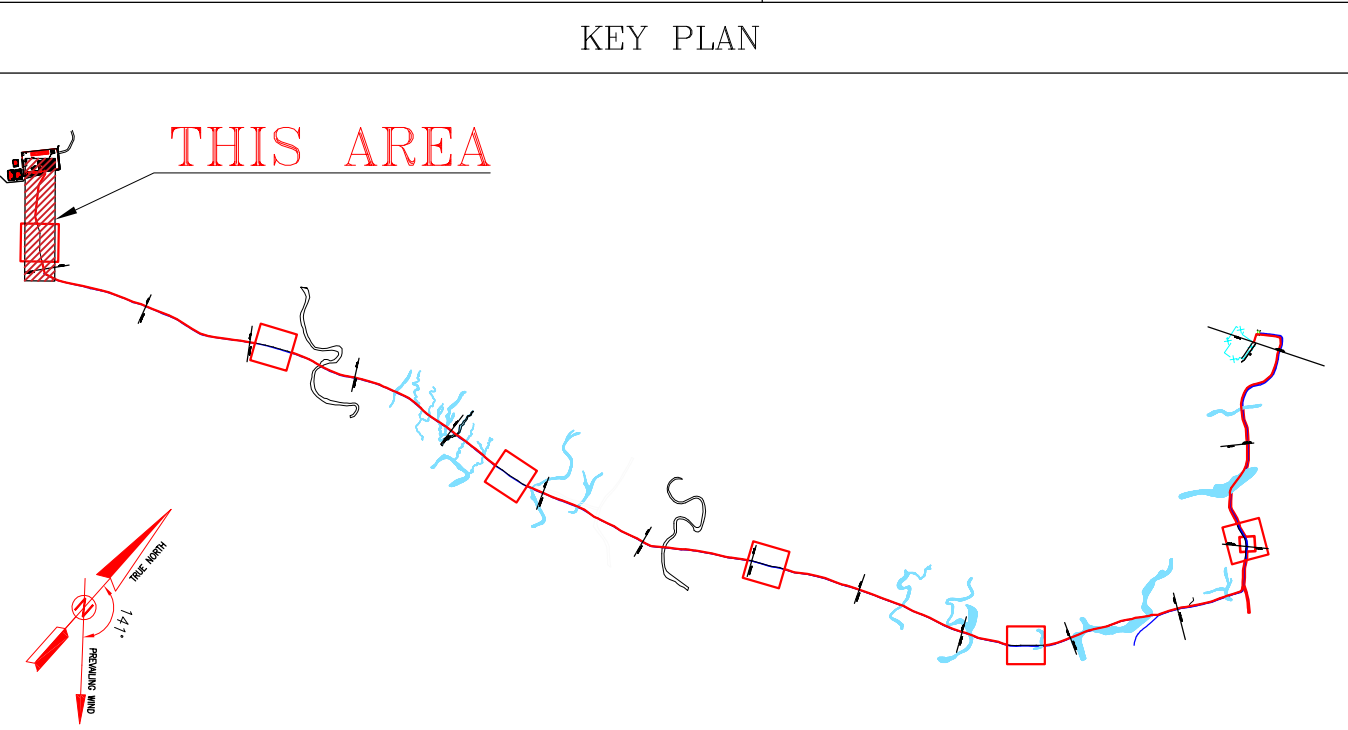




ABBREVIATIONS	
N.G.L.=Natural Ground Level	AR=Asphalt Road
B.O.P.L=Bottom of Pipe Level	GR=Gravel Road
R.O.W.L=Right of Way Level	PLC=Pipe Line Corridor
PC=Pipe Line Crossing	PL=Pipe Line
OF=Optical Fiber	CH=Channel
B.M.=Bench Mark	

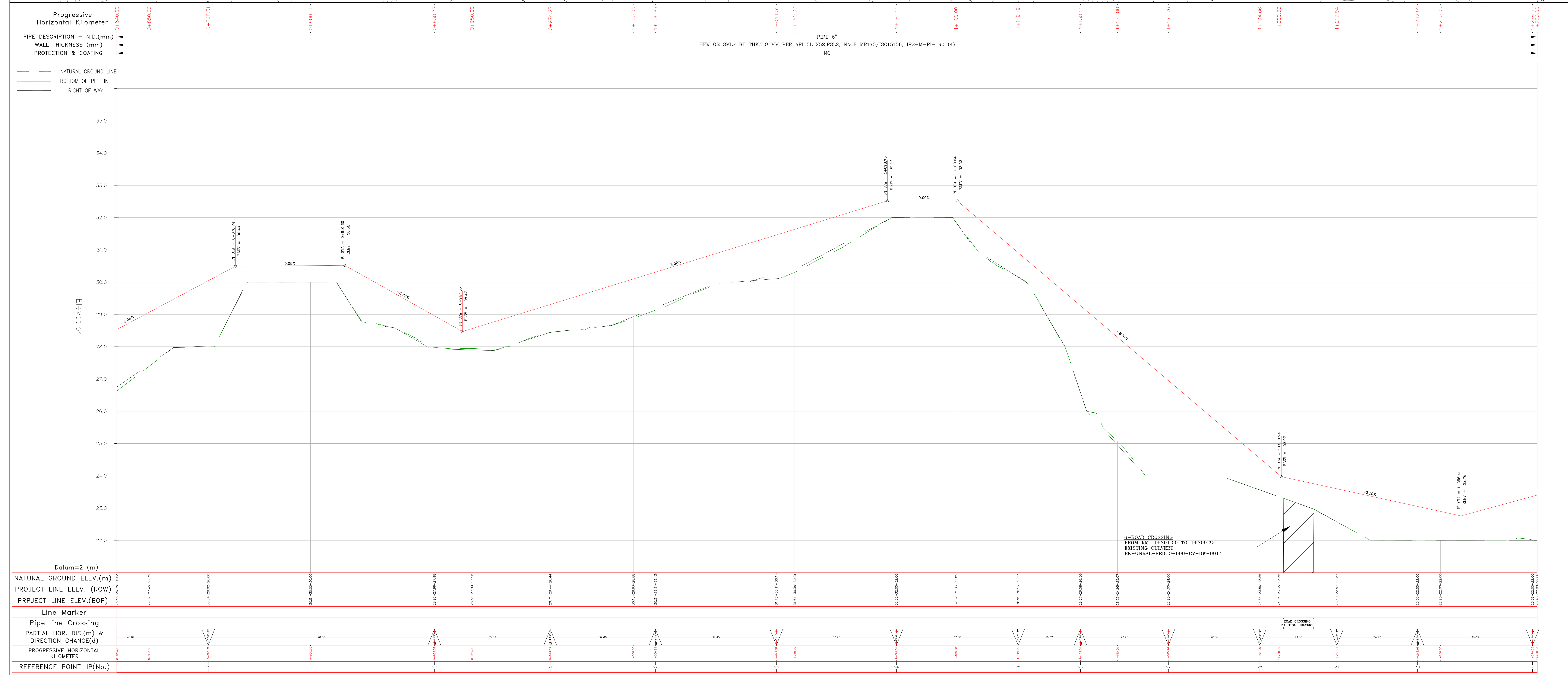
LEGEND			
	Existing GRAVEL ROAD		CHANNEL
	New GRAVEL ROAD		RIVER
	ASPHALT ROAD		WATER COURSE
	STAIR		CONTOURS
	TRENCH		SPOT HEIGHT
	EMBANKMENT		TRIG POINT
	FENCE		WATER COURSE
	BURNING PIT LINE		CONTOURS
	WATER LINE		SPOT HEIGHT
	BUILDING		TRIG POINT
	CONCRETE AREA		WATER COURSE
	SEPTIC		CONTOURS
	MANHOLE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

REFERENCE DRAWING	DRG. NO.
General Civil Layout - W0405	BK-W0405-PEDCO-110-CV-PY-P001
Civil and Structural Drawings - W0408	BK-W0408-PEDCO-110-CV-PY-P002
Plot Plan Drawing - W0408	BK-W0408-PEDCO-110-PI-DW-P001
Standard Drawing For A/G Pipeline Road Crossing	BK-GRNAL-PEDCO-000-PI-DW-0005
Standard Drawing For Existing Pipeline Road Crossing	BK-GRNAL-PEDCO-000-PI-DW-0006
Standard Drawing For Pipeline Road Crossing - R.O.N	BK-GRNAL-PEDCO-000-CV-DW-0005
Standard Drawing For Culvert & Details	BK-GRNAL-PEDCO-000-CV-DW-0014
Pipeline Standard Drawing For Cover Slab and Set-on-Weight	BK-GRNAL-PEDCO-000-PI-DW-0013
Pipeline Standard Drawing For River Crossing	BK-GRNAL-PEDCO-000-PI-DW-0014
Pipeline Standard Drawing For River Support	BK-GRNAL-PEDCO-000-PI-DW-0004
Pipeline Standard Drawing For Pipe Joist	BK-GRNAL-PEDCO-000-PI-DW-0005
Specification For Pipeline Cold Bending	BK-GRNAL-PEDCO-000-PI-SP-0003
Standard Drawing For Concrete Continuous Weight	BK-GRNAL-PEDCO-000-CV-DW-0010



D00	APR 2023	IFC	R.BERLOUE	M.FAKHARAN	M.MEHRSHAD	***	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W046S 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 – W046S							
SCALE H=1:500 V=1:50	SIZE A0	DRAWING NO. BK-W046S-PEDCO-110-SU-DW-0001				SHEET NO. 1 OF 16	REV DOO

***	*****	***	*****	***	*****
REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV.	APPR.
اصل و کاپه نسخ این سند و سنی امضای حقوق به شرکت ملی مناطق نفت خیز جنوب میباید.					
 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 W046S 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	707670	1	DOO



DDO	APR 2023	IPC	R.BRELOUE	M.FAKHRIAN	M.MEHRSHAD	***			
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.			
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W046S 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 – W046S									
SCALE H=1:500 V=1:50	SIZE A0	DRAWING NO. BK–W046S–PEDCO–110–SU–DW–0001				SHEET NO. 3 OF 16		REVISION	

1- ALL COORDINATES AND ELEVATIONS ARE IN METER.

2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATED 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

NOTES

WELL NAME	PRESSURE (SUM/WIN) (PSIG)	PIPING DESIGN RATING	TOTAL LENGTH
W046 BANGESTAN	302.76/305.515	API 3000	6743.46

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 FL=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

GAS Pipe Line (UG)

REFERENCE DRAWING

General Civil Layout - W046S

Civil and Structural drawings -W046S

Plot Plan Drawing - W046S

Standard Drawing For A/G Pipeline Road Crossing

Standard Drawing For Existing Pipeline Crossing

Standard Drawing For Above Ground Pipeline Construction R.O.W

Standard Drawing For Culvert & Details

Pipeline Standard Drawing For Cover Slab and Set-on-Weight

Pipeline Standard Drawing For River Crossing

Pipeline Standard Drawing For Anchor Support

Pipeline Standard Drawing For H-Pipe Support

Specification For Pipeline Cold Bending

Standard Drawing For Concrete Continuous Weight

DRG. No.

BK-W046S-PEDCO-110-CV-PY-0001

BK-W046S-PEDCO-110-CV-PY-0002

BK-W046S-PEDCO-110-PL-DW-0001

BK-W046S-PEDCO-110-PL-DW-0002

BK-W046S-PEDCO-110-PL-DW-0003

BK-W046S-PEDCO-110-PL-DW-0004

BK-W046S-PEDCO-110-PL-DW-0005

BK-W046S-PEDCO-110-PL-DW-0006

BK-W046S-PEDCO-110-PL-DW-0007

BK-W046S-PEDCO-110-PL-DW-0008

BK-W046S-PEDCO-110-PL-DW-0009

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BK-W046S-PEDCO-110-PL-DW-0011

BK-W046S-PEDCO-110-PL-DW-0012

BK-W046S-PEDCO-110-PL-DW-0013

BK-W046S-PEDCO-110-PL-DW-0014

BK-W046S-PEDCO-110-PL-DW-0015

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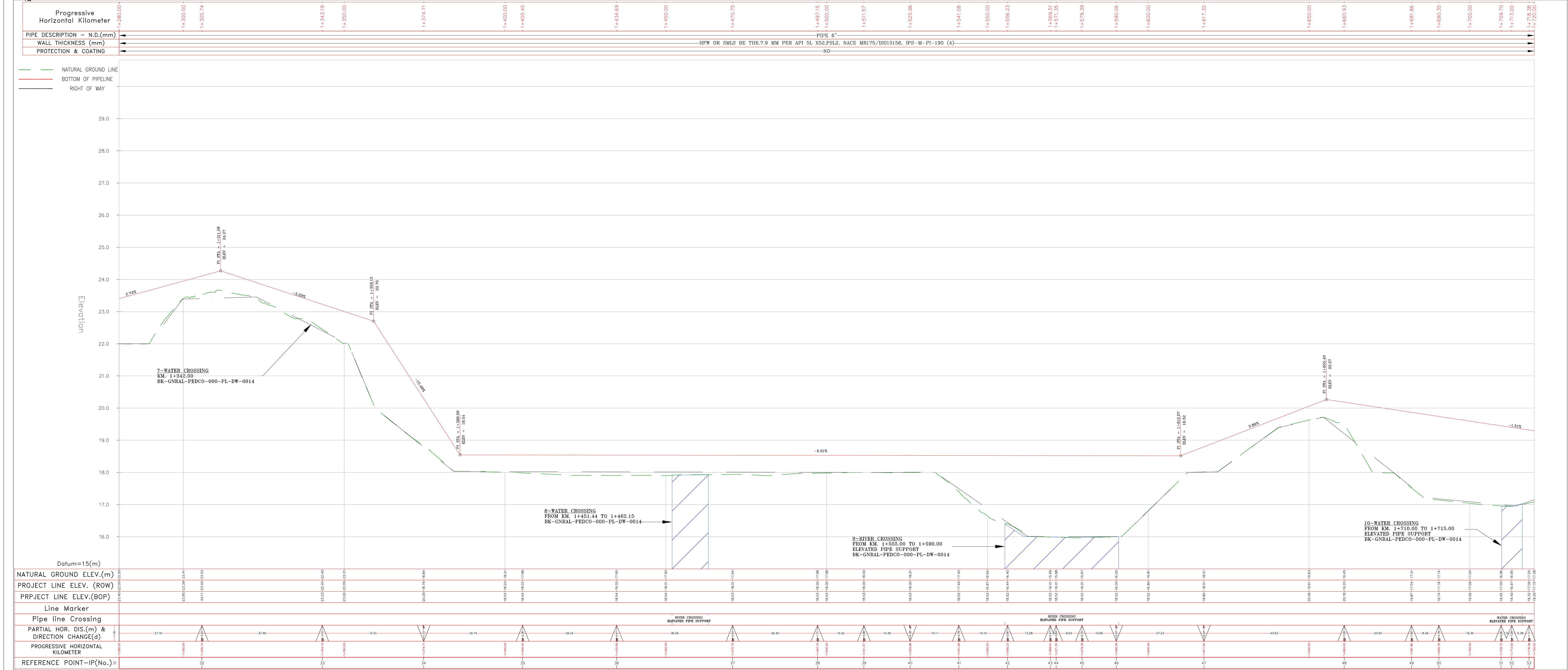
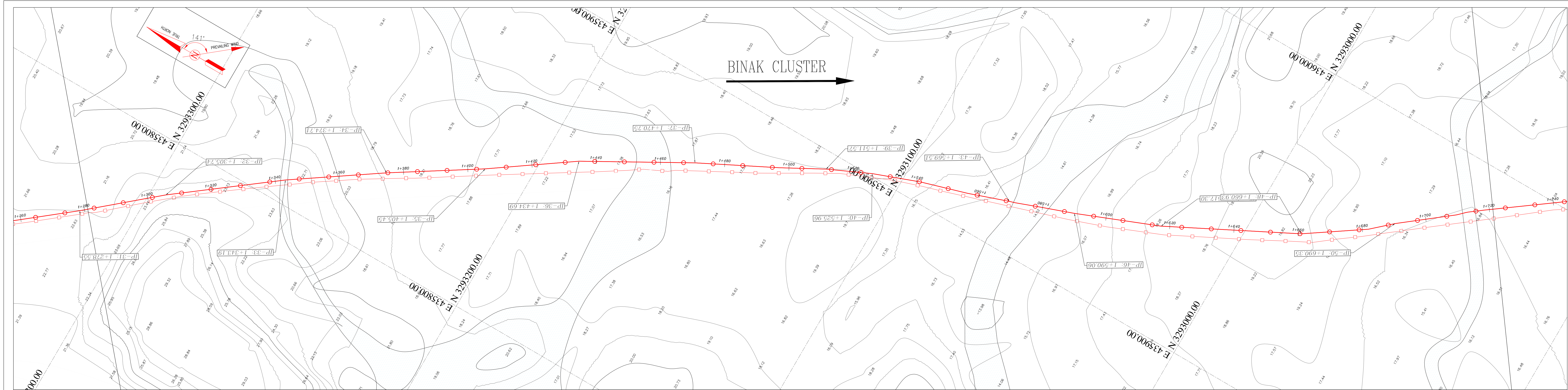
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BK-W046S-PEDCO-110-PL-DW-0094

BK-W046S-PEDCO-110-PL-DW-0095

BK-W046S-PEDCO-110-PL-DW-0096



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)
08	WATER CROSSING	1+451.44	1+462.15	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP33	1+343.19	3293265.64	435807.08				
09	RIVER CROSSING	1+555.00	1+590.00	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP34	1+374.71	3293239.61	435824.85				
10	WATER CROSSING	1+710.00	1+715.00	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP35	1+405.45	3293213.71	435841.40				
Bill of Materials										IP36	1+434.69	3293189.74	435858.16				
										IP37	1+470.75	3293158.35	435875.91				
										IP38	1+497.15	3293134.82	435887.87				
										IP39	1+511.57	3293122.17	435894.78				
										IP40	1+525.96	3293109.09	435900.79				
										IP41	1+541.08	3293094.93	435906.08				
										IP42	1+556.23	3293080.42	435910.44				
										IP43	1+569.51	3293067.89	435914.85				
										IP44	1+571.35	3293066.13	435915.38				
										IP45	1+579.39	3293058.60	435918.20				
										IP46	1+590.06	3293048.56	435921.82				
										IP47	1+617.30	3293023.29	435931.98				
										IP48	1+660.93	3292984.47	435951.89				
										IP49	1+681.86	3292967.15	435963.86				
										IP50	1+690.35	3292960.86	435969.36				
										IP51	1+709.70	3292945.69	435981.37				
										IP52	1+713.00	3292943.33	435983.67				
										IP53	1+718.38	3292939.05	435986.94				

D00	APR.2023	IFC	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***											
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.											
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W046S 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 - W046S																	
SCALE	SIZE	DRAWING NO.			SHEET NO.			REV.									
H=1:500 V=1:50	A0	BK-W046S-PEDCO-110-SU-DW-0001			4 OF 16			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 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

ABBREVIATIONS

N.G.L.=Natural Ground Level

B.O.P.L.=Bottom of Pipe Level

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PC=Pipe Line Crossing

OF=Optical Fiber

B.M.=Bench Mark

AR=Asphalt Road

GR=Gravel Road

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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

GAS Pipe Line (UG)

REFERENCE DRAWING

General Civil Layout - W046S

Civil and Structural drawings - W046S

Plot Plan Drawing - W046S

Standard Drawing For 1/2 Pipeline Road Crossing

Standard Drawing For Existing Pipeline Crossing

Standard Drawing For Above Ground Pipeline Construction R.O.W

Standard Drawing For Culvert & Details

Pipeline Standard Drawing For Cover Slab And Set-on-Weight

Pipeline Standard Drawing For River Crossing

Pipeline Standard Drawing For Anchor Support

Pipeline Standard Drawing For H-Pipe Support

Specification For Pipeline Cold Bending

Standard Drawing For Concrete Continuous Weight

DRG. No.

BK-W046S-PEDCO-110-CV-PY-0001

BK-W046S-PEDCO-110-CV-PY-0002

BK-W046S-PEDCO-110-PI-DW-0001

BK-GNRL-PEDCO-000-PL-DW-0005

BK-GNRL-PEDCO-000-PL-DW-0006

BK-GNRL-PEDCO-000-PL-DW-0002

BK-GNRL-PEDCO-000-CV-DW-0014

BK-GNRL-PEDCO-000-PL-DW-0013

BK-GNRL-PEDCO-000-PL-DW-0014

BK-GNRL-PEDCO-000-PL-DW-0004

BK-GNRL-PEDCO-000-PL-DW-0010

BK-GNRL-PEDCO-000-PL-SP-0003

BK-GNRL-PEDCO-000-CV-DW-0010

KEY PLAN

THIS AREA

**

**

REV.

DESCRIPTION

BY

DATE

BY

DATE

CHECKED

REV. APPR.

اصل و کپیہ نسخہ این نقشہ و سنجہ ایستادی حقیقی به حرکت ملی مناطق نفت خیز جنوب می باشد.

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 W046S 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

653-073-9184

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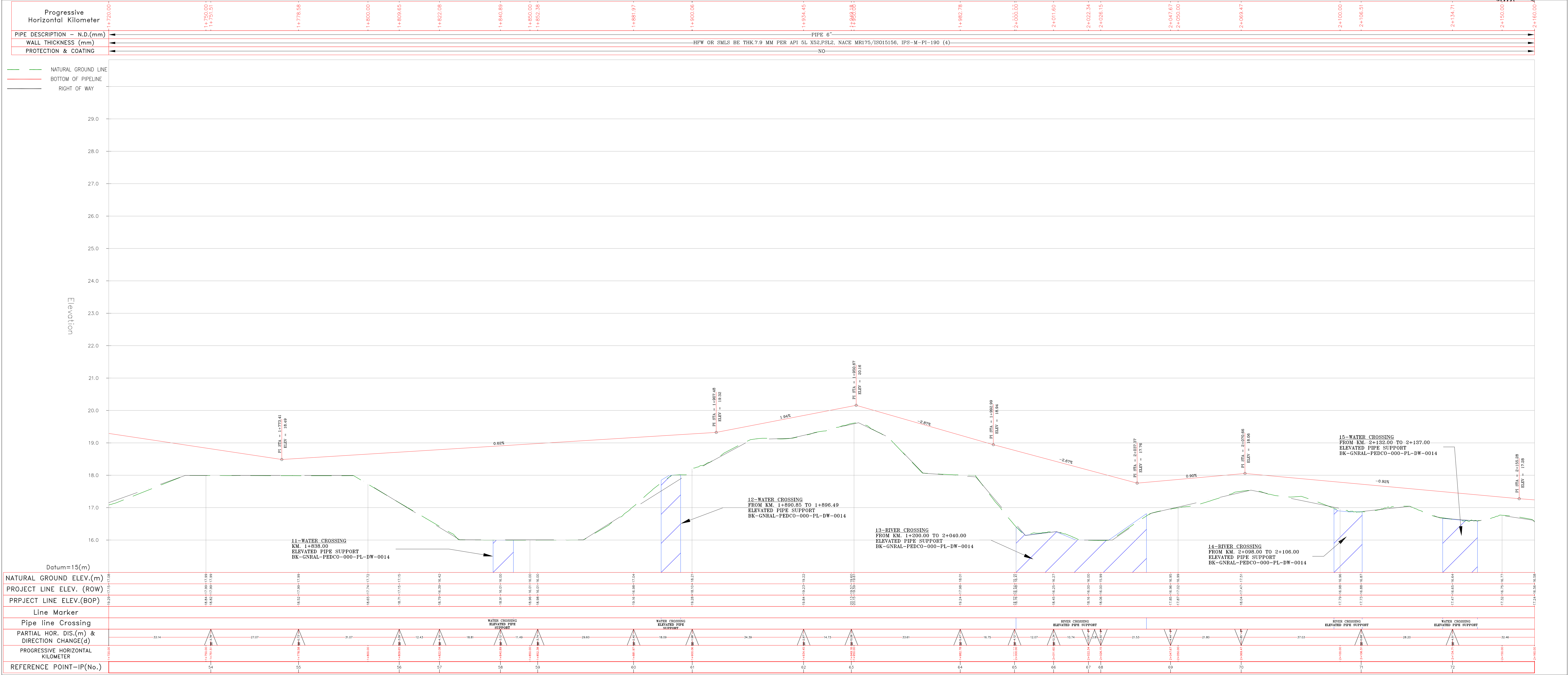
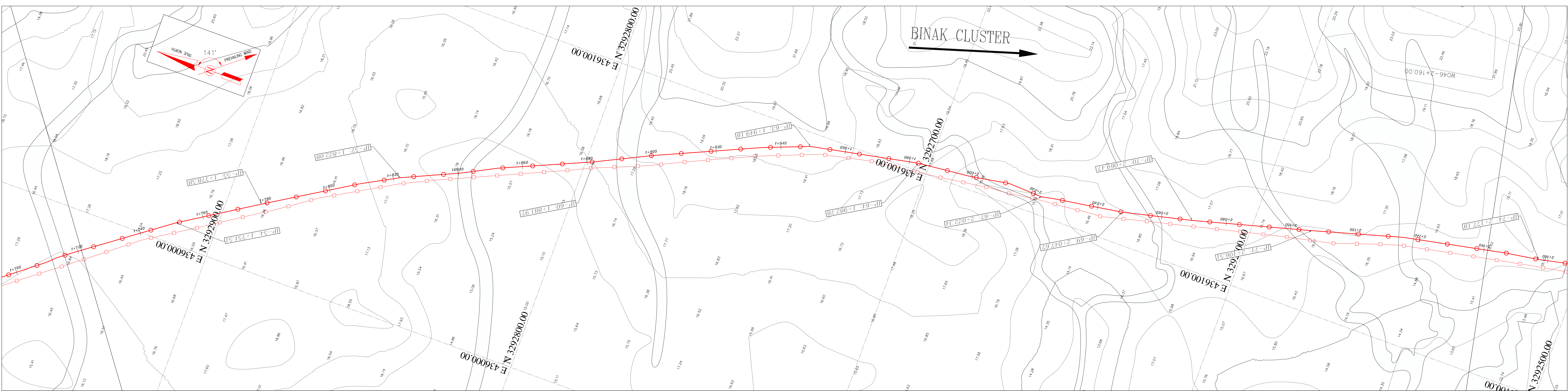
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707670

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D00



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)
11	WATER CROSSING	1+838.00		BK-GN-AL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP54	1+751.51	3292912.32	436006.51								
										IP55	1+776.56	3292889.48	436021.03								
										IP56	1+809.65	3292863.05	436037.36								
										IP57	1+822.08	3292852.14	436043.31								
										IP58	1+840.89	3292835.01	436051.09								
										IP59	1+852.38	3292824.82	436056.41								
12	WATER CROSSING	1+890.85	1+896.49	BK-GN-AL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP60	1+881.97	3292797.75	436068.38								
										IP61	1+900.06	3292781.52	436076.35								
13	RIVER CROSSING	1+200.00	2+040.00	BK-GN-AL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP62	1+934.45	3292750.16	436090.47								
										IP63	1+949.18	3292736.44	436095.81								
14	RIVER CROSSING	2+098.00	2+106.00	BK-GN-AL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP64	1+982.78	3292703.47	436102.34								
										IP65	1+999.53	3292686.81	436104.02								
15	WATER CROSSING	2+132.00	2+137.00	BK-GN-AL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP66	2+011.60	3292674.92	436106.09								
										IP67	2+022.34	3292664.19	436103.62								
										IP68	2+026.15	3292660.46	436106.37								
										IP69	2+047.67	3292639.19	436109.70								
										IP70	2+069.47	3292617.98	436114.73								
										IP71	2+106.51	3292582.23	436124.42								
										IP72	2+134.71	3292555.11	436132.13								
										IP73	2+167.17	3292523.28	436138.51								
										IP74	2+177.18	3292513.39	436140.03								

D00	APR 2023	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 W046S WELLHEAD FACILITIES						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HURGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PEDCO			
DRAWING TITLE: Flow line Plan & Profile Drawings - W046S						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
H=1:500 V=1:50	A0	BK-W046S-PEDCO-110-SU-DW-0001			5 OF 16	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 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

W046 (BANGESTAN)

PRESSURE (SUM/WIN) (PSIG)

302.76/305.515

PIPING DESIGN RATING

API 3000

TOTAL LENGTH

6743.46

SIZE

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 COURSE

CONTOURS

SPOT HEIGHT

TRIG POINT

CULVERT

WELL LOCATION

WELL

SITE

CAMP SITE

Existing OIL Pipe Line

New OIL Pipe Line

GAS

GAS Pipe Line (UG)

REFERENCE DRAWING

DRG. No.

General Civil Layout - W046S

Civil and Structural drawings - W046S

Plot Plan Drawing - W046S

Standard Drawing For 4/5 Pipeline Road Crossing

Standard Drawing For Existing Pipeline Crossing

Standard Drawing For Above Ground Pipeline Construction R.O.W

Standard Drawing For Culvert & Details

Pipeline Standard Drawing For Cover Slabs and Set-on-Weight

Pipeline Standard Drawing For River Crossing

Pipeline Standard Drawing For Anchor Support

Pipeline Standard Drawing For H-Pipe Support

Specification For Pipeline Cold Bending

Standard Drawing For Concrete Continuous Weight

BK-W046S-PEDCO-110-CV-PY-0001

BK-W046S-PEDCO-110-CV-PY-0002

BK-W046S-PEDCO-110-PI-DW-0001

BK-GN-AL-PEDCO-000-PL-DW-0005

BK-GN-AL-PEDCO-000-PL-DW-0006

BK-GN-AL-PEDCO-000-PL-DW-0002

BK-GN-AL-PEDCO-000-CV-DW-0014

BK-GN-AL-PEDCO-000-PL-DW-0013

BK-GN-AL-PEDCO-000-PL-DW-0014

BK-GN-AL-PEDCO-000-PL-DW-0004

BK-GN-AL-PEDCO-000-PL-DW-0010

BK-GN-AL-PEDCO-000-PL-SP-0003

BK-GN-AL-PEDCO-000-CV-DW-0010

KEY PLAN

THIS AREA

**

**

REV.

DESCRIPTION

BY

DATE

BY

DATE

اخذ و كليه نسخ اين نقشه و سنجي ايجامى مشتق به فراتر حالي مطابق نقشه جزي جنوب ميدان.

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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

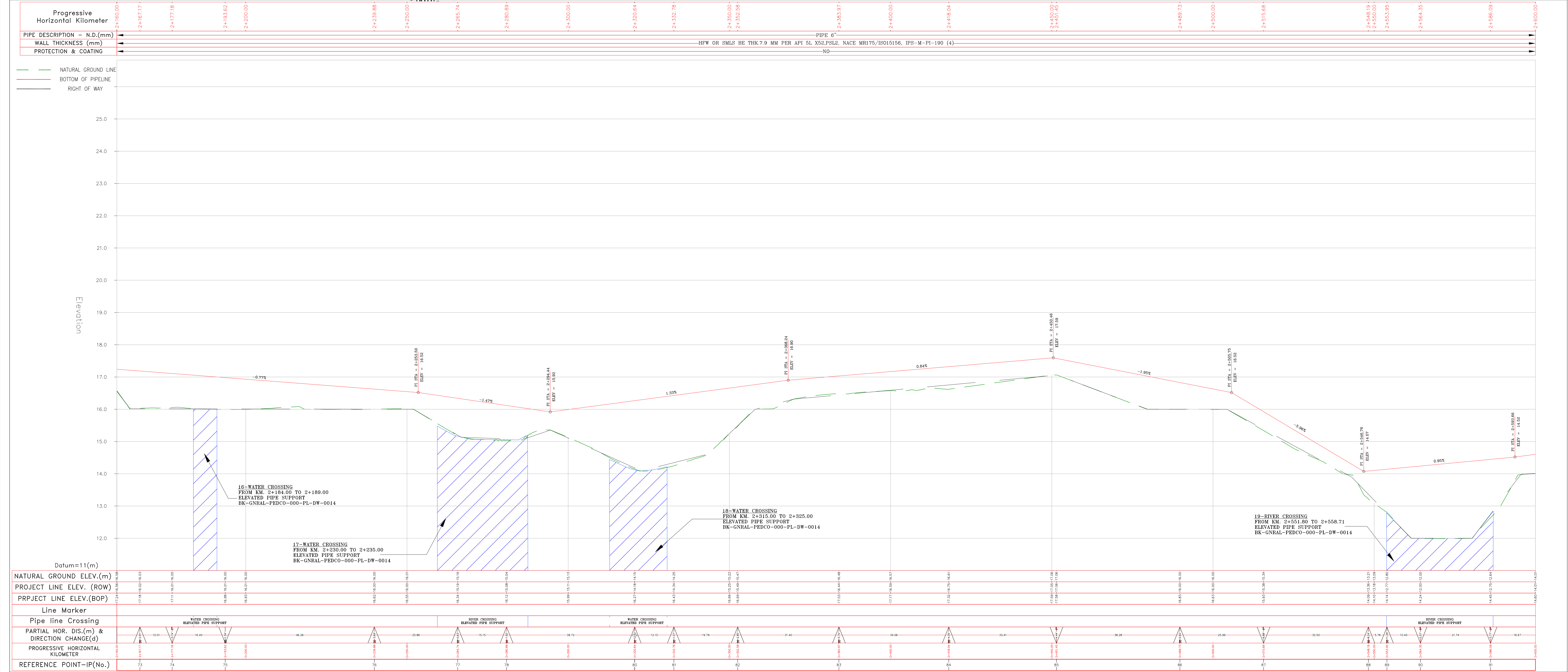
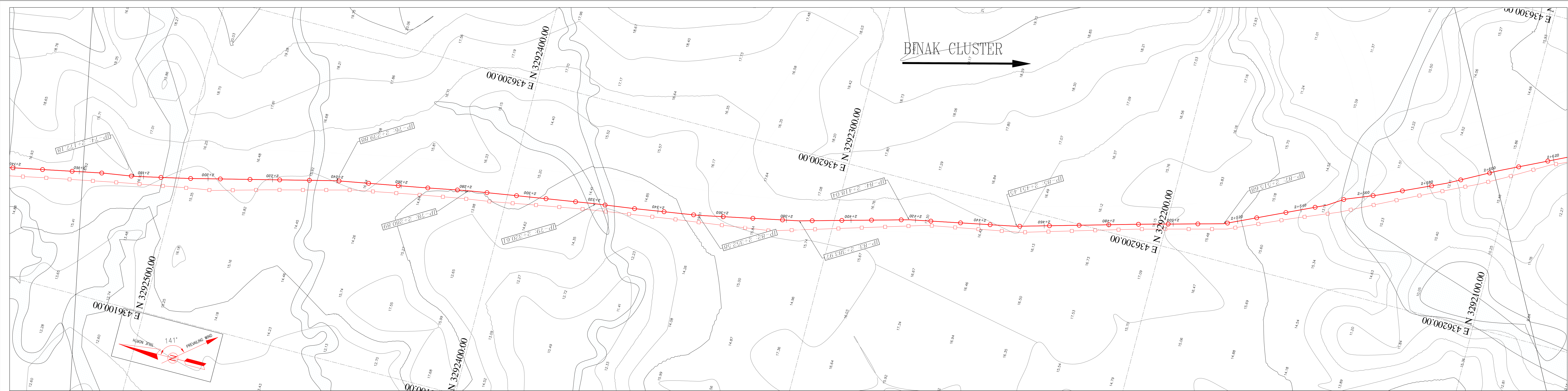
SIZE

CLASS

SERIAL NO.

SHEET

REVISION



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)
16	WATER CROSSING	2+184.00	2+189.00	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP75	2+193.62	3292497.33	436143.59				
17	WATER CROSSING	2+230.00	2+235.00	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP76	2+239.88	3292452.41	436154.64				
18	WATER CROSSING	2+315.00	2+325.00	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP77	2+265.74	3292428.95	436159.18				
19	RIVER CROSSING	2+551.80	2+558.71	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP78	2+280.89	3292413.07	436162.01				
Bill of Materials										IP79	2+320.61	3292372.82	436168.11				
										IP80	2+320.64	3292372.80	436168.11				
										IP81	2+332.78	3292360.76	436169.72				
										IP82	2+352.58	3292341.19	436172.72				
										IP83	2+383.97	3292310.43	436179.02				
										IP84	2+419.04	3292277.57	436187.99				
										IP85	2+451.45	3292244.80	436194.48				
										IP86	2+489.73	3292207.94	436204.81				
										IP87	2+515.68	3292182.87	436211.54				
										IP88	2+548.19	3292153.39	436223.24				
										IP89	2+553.95	3292148.57	436228.39				
										IP90	2+564.35	3292138.92	436232.26				
										IP91	2+586.09	3292119.12	436241.25				
										IP92	2+602.76	3292104.43	436245.13				

D00	APR.2023	IPC	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
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PROJECT NO.:			971020			
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PEDCO			
DRAWING TITLE: Flow line Plan & Profile Drawings - W046S						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
H=1:500 V=1:50	A0	BK-W046S-PEDCO-110-SU-DW-0001			6 OF 16	D00

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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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WELL NAME

W046

PRESSURE (SUM/WIN) (PSIG)

302.76/305.515

PIPING DESIGN RATING

API 3000

TOTAL LENGTH

6743.46

SIZE

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

FENCE

BURNING PIT LINE

TRIG POINT

WATER LINE

CULVERT

BUILDING

CONCRETE AREA

SEPTIC

WELL LOCATION

MANHOLE

WELL

POLE

SITE

HELIPAD

CAMP SITE

Existing OIL Pipe Line

New OIL Pipe Line

GAS

GAS Pipe Line (UG)

REFERENCE DRAWING

DRG. No.

General Civil Layout -W046S

BK-W046S-PEDCO-110-CV-PY-0001

Civil and Structural drawings -W046S

BK-W046S-PEDCO-110-CV-PY-0002

Plot Plan Drawing - W046S

BK-W046S-PEDCO-110-PI-DW-0001

Standard Drawing For 1/2 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

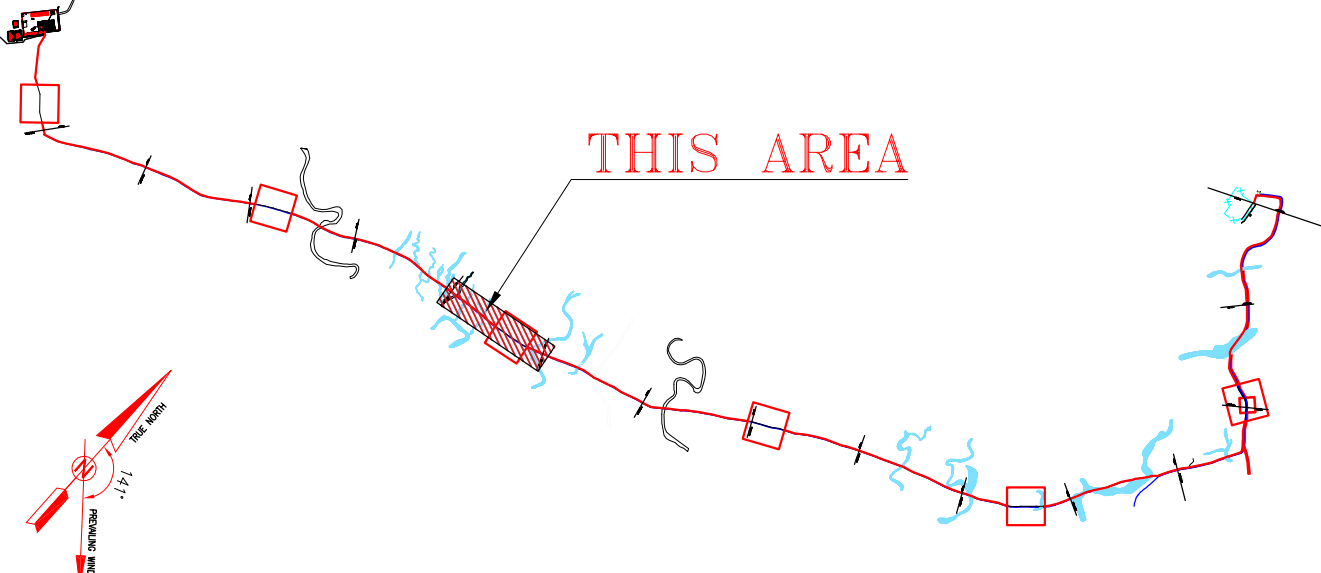
Specification For Pipeline Cold Bending

BK-GNRL-PEDCO-000-PL-SP-0003

Standard Drawing For Concrete Continuous Weight

BK-GNRL-PEDCO-000-CV-DW-0010

KEY PLAN



REV.

DESCRIPTION

BY

DATE

BY

DATE

امیل و کچه نیل این نقشه و سنج اکتیاسی مشتاق به حرکت دقت مناطق دقت جزیل جنوب میباید.

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 W046S WELLHEAD FACILITIES

DATE

SCALE

DRAWING BY

CHECKED BY

PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION

BY:

DATE:

BUDGET REF.

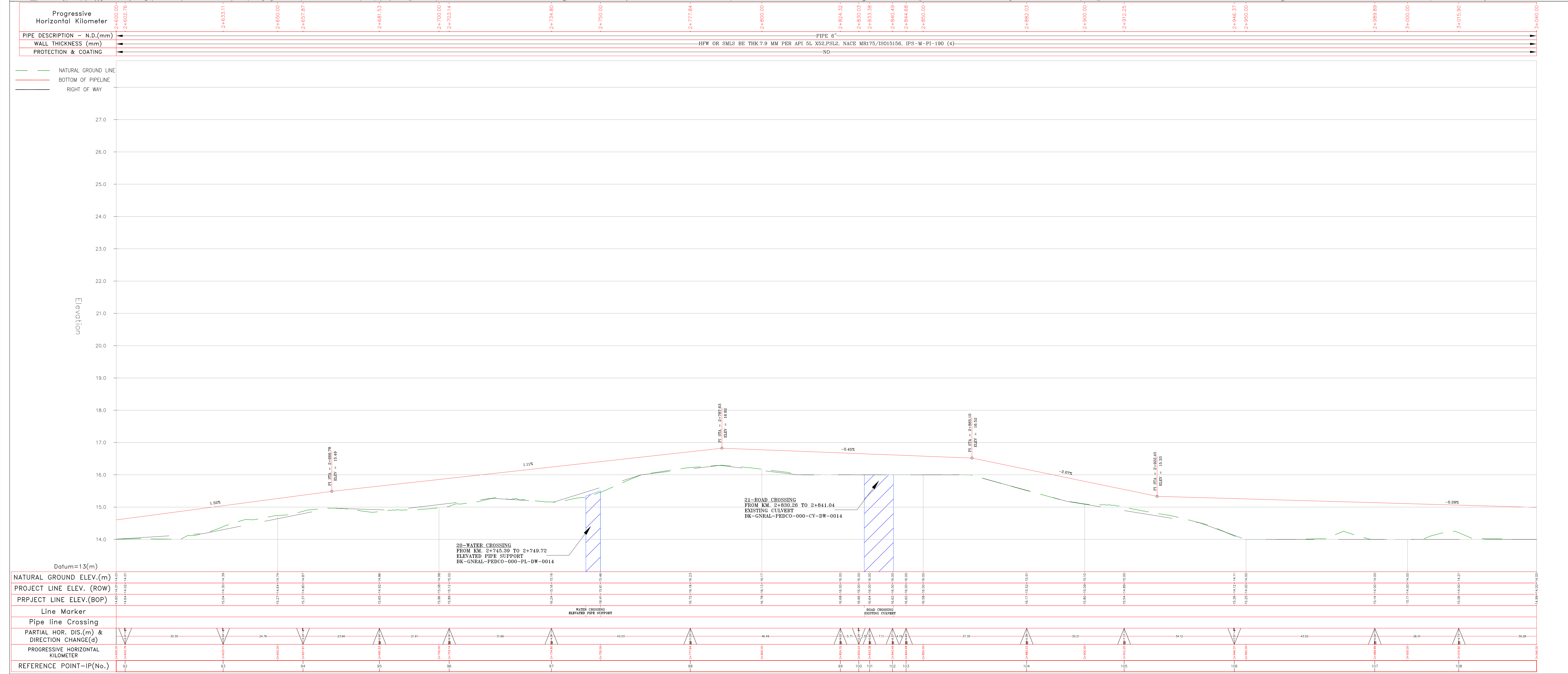
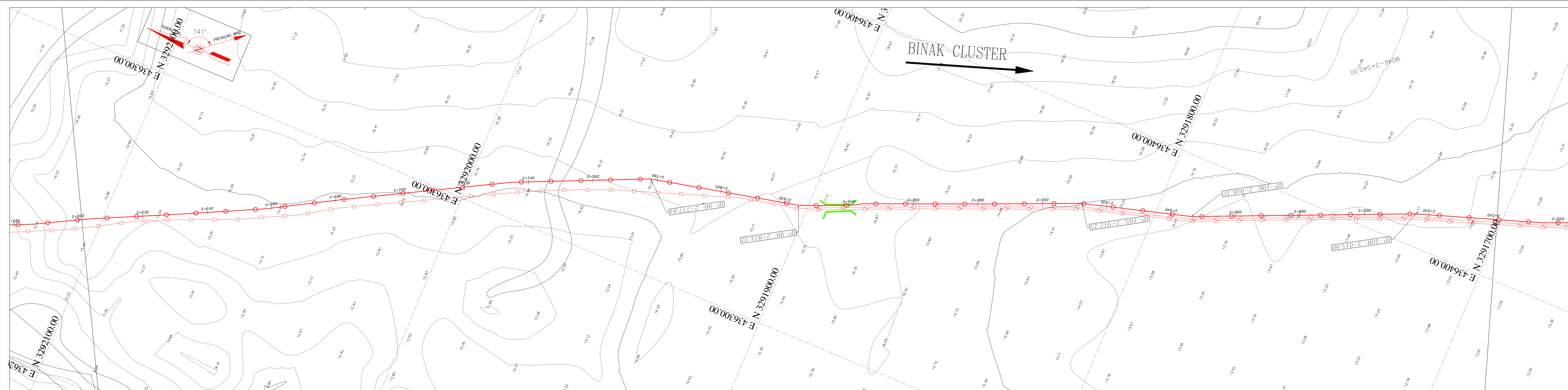
LOCATION

SIZE CLASS

SERIAL NO.

SHEET

REVISION



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)
20	ROAD CROSSING	2+745.39	2+749.72	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP93	2+633.11	3292077.10	436262.33				
21	ROAD CROSSING	2+830.26	2+841.04	BK-GNRL-PEDCO-000-CV-DW-0014	EXISTING CULVERT					IP94	2+657.87	3292054.91	436273.31				
Bill of Materials										IP95	2+681.53	3292034.33	436284.99				
										IP96	2+703.14	3292015.37	436295.36				
										IP97	2+734.80	3291987.55	436310.47				
										IP98	2+777.84	3291948.29	436328.06				
										IP99	2+824.32	3291902.92	436338.25				
										IP100	2+830.03	3291897.62	436340.35				
										IP101	2+833.38	3291894.56	436341.71				
										IP102	2+840.49	3291888.01	436344.44				
										IP103	2+844.68	3291884.36	436346.53				
										IP104	2+882.03	3291849.89	436360.93				
										IP105	2+912.25	3291822.09	436372.76				
										IP106	2+946.37	3291789.27	436382.13				
										IP107	2+989.89	3291749.34	436399.42				
										IP108	3+015.90	3291725.47	436409.77				
										IP109	3+055.16	3291686.27	436422.36				

DOO	APR.2023	IPC	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W046S WELLHEAD FACILITIES						
PROJECT NO.:			971020			
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PEDCO			
DRAWING TITLE: Flow line Plan & Profile Drawings – W046S						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
H=1:500 V=1:50	A0	BK-W046S-PEDCO-110-SU-DW-0001			7 OF 16	DOO

NOTES

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HORIZONTAL COORDINATE SYSTEM:

WGS84/UTM ZONE 39

ELLIPSOID :

WORLD GEODETIC SYSTEM 1984 (WGS84)

MAP PROJECTION:

UNIVERSAL TRANSVERSE MERCATOR (UTM)

VERTICAL DATUM:

MEAN SEA LEVEL

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WELL NAME

PRESSURE (SUM/WIN) (PSIG)

PIPING DESIGN RATING

TOTAL LENGTH

SIZE

W046

302.76/305.515

API 3000

6743.46

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

GAS Pipe Line (UG)

REFERENCE DRAWING

DRG. No.

General Civil Layout - W046S

BK-W046S-PEDCO-110-CV-PY-0001

Civil and Structural drawings - W046S

BK-W046S-PEDCO-110-CV-PY-0002

Plot Plan Drawing - W046S

BK-W046S-PEDCO-110-PI-DW-0001

Standard Drawing For 1/2 Pipeline Road Crossing

BK-GNRL-PEDCO-000-PL-DW-0005

Standard Drawing For Existing Pipeline Crossing

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Pipeline Standard Drawing For Cover Slab And Set-on-Weight

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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

THIS AREA

REV.

DESCRIPTION

BY

DATE

BY

DATE

**

**

اسم و کلمه فیلد این نقشه و سیمانی حلقه به حرکت فیلد حلقه فیلد جنوب میباید.

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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W046S 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

653-073-9184

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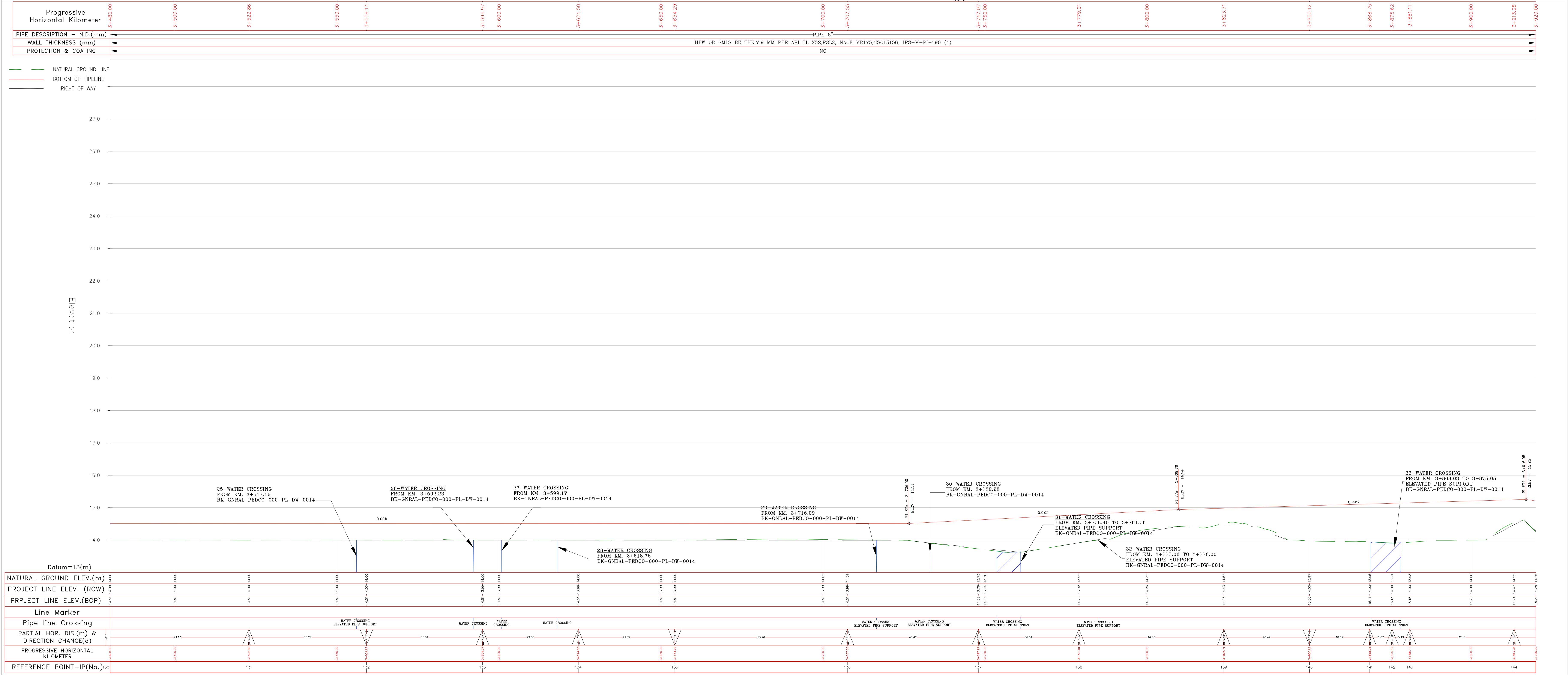
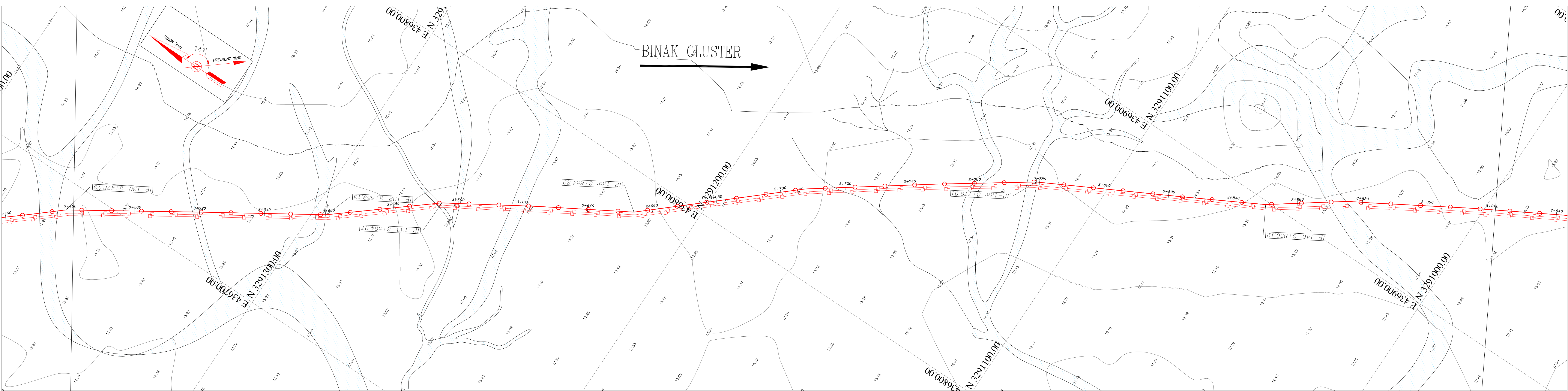
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7

DOO



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)
25	WATER CROSSING	3+517.12		BK-GNRL-PEDCO-000-CV-DW-0014						IP131	3+522.86	3291326.59	436715.68				
26	WATER CROSSING	3+517.12		BK-GNRL-PEDCO-000-CV-DW-0014						IP132	3+559.13	3291296.03	436735.20				
27	WATER CROSSING	3+599.17		BK-GNRL-PEDCO-000-CV-DW-0014						IP133	3+594.97	3291269.43	436758.07				
28	WATER CROSSING	3+618.76		BK-GNRL-PEDCO-000-CV-DW-0014						IP134	3+624.50	3291243.30	436773.58				
29	WATER CROSSING	3+716.09		BK-GNRL-PEDCO-000-CV-DW-0014						IP135	3+654.29	3291217.59	436788.64				
30	WATER CROSSING	3+732.28		BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP136	3+707.55	3291177.71	436823.92				
31	WATER CROSSING	3+758.40	3+761.56	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP137	3+747.97	3291144.96	436847.65				
32	WATER CROSSING	3+775.06	3+778.00	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP138	3+779.01	3291119.53	436865.43				
33	WATER CROSSING	3+868.03	3+875.05	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP139	3+823.71	3291080.05	436886.39				
Bill of Materials										IP140	3+850.12	3291056.63	436899.97				
										IP141	3+868.75	3291041.77	436909.93				
										IP142	3+875.62	3291036.20	436913.95				
										IP143	3+881.11	3291031.43	436916.69				
										IP144	3+913.28	3291003.78	436935.13				

DOO	APR 2023	IPC	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
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 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
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SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
H=1:500 V=1:50	A0	BK-W046S-PEDCO-110-SU-DW-0001			9 OF 16	DOO

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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

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

Existing OIL Pipe Line

New OIL Pipe Line

GAS

GAS Pipe Line (UG)

CHANNEL

RIVER

WATER COURSE

CONTOURS

SPOT HEIGHT

TRIG POINT

CULVERT

WELL LOCATION

WELL

SITE

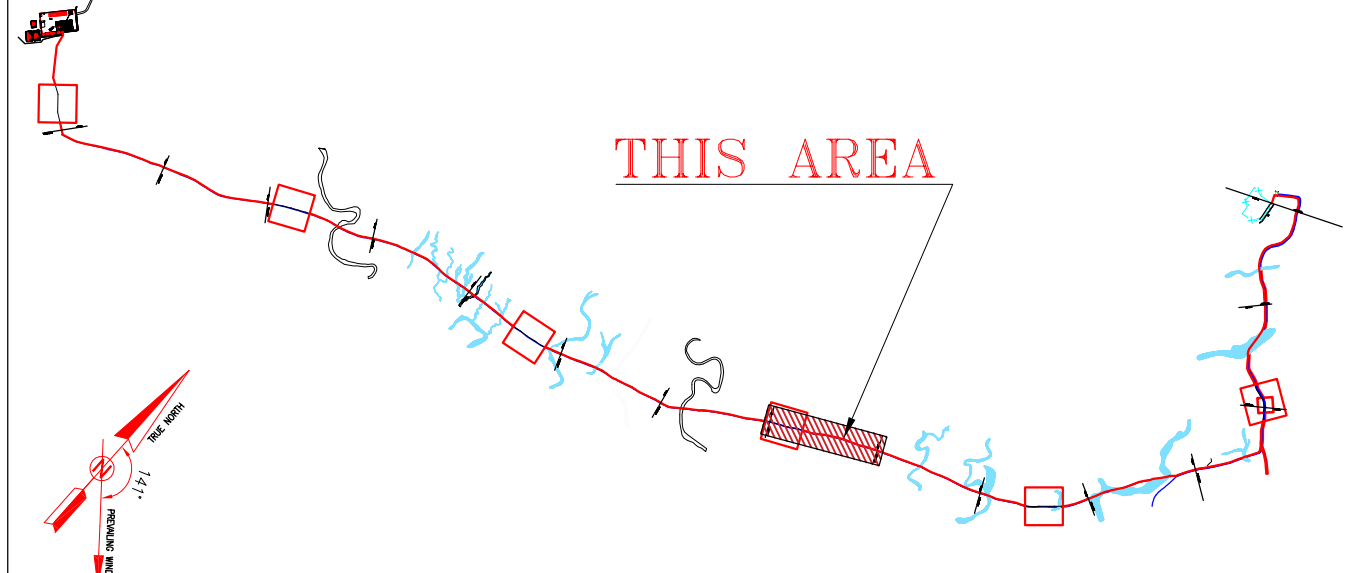
CAMP SITE

REFERENCE DRAWING

DRG. No.

General Civil Layout - W046S	BK-W046S-PEDCO-110-CV-PY-0001
Civil and Structural drawings - W046S	BK-W046S-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W046S	BK-W046S-PEDCO-110-PI-DW-0001
Standard Drawing For 1/2 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 Slab 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

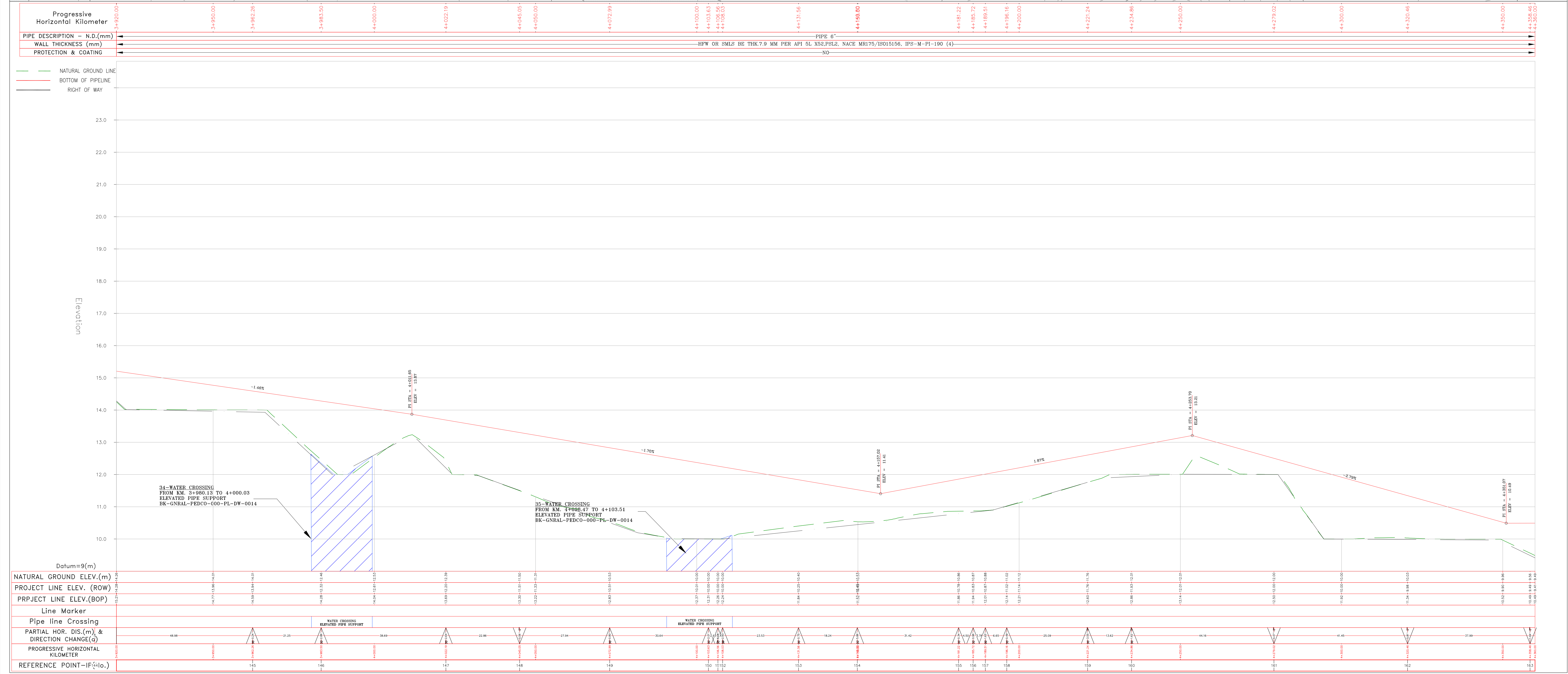
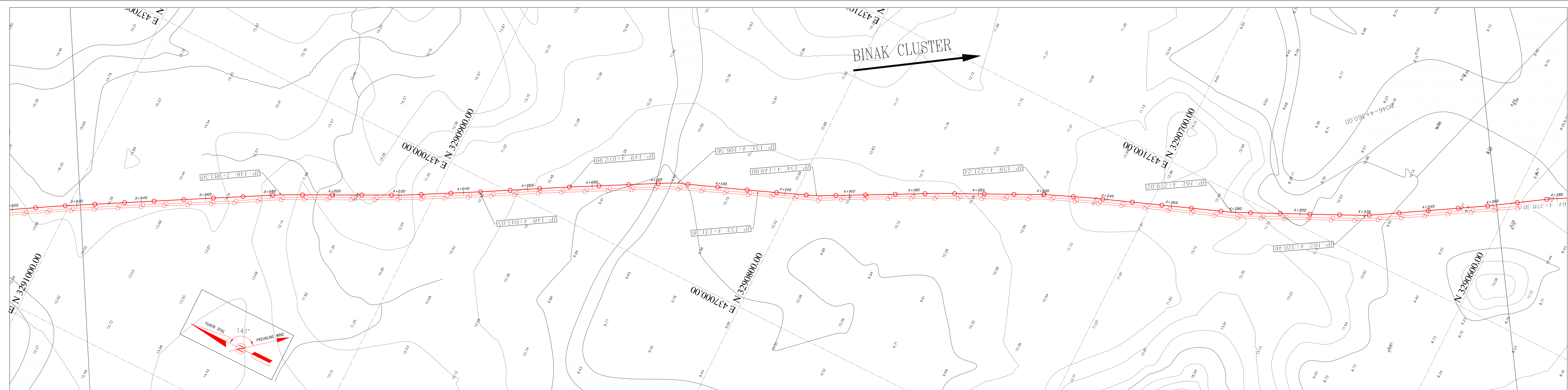
KEY PLAN



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



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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)
34	WATER CROSSING	3+980.13	4+000.03	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP145	3+962.26	3290961.15	436957.24								
										IP146	3+983.50	3290942.62	436967.63								
35	WATER CROSSING	4+098.47	4+103.51	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP147	4+022.19	3290907.96	436984.82								
										IP148	4+045.05	3290887.98	436995.92								
										IP149	4+072.99	3290863.69	437009.72								
										IP150	4+103.63	3290836.83	437024.48								
										IP151	4+106.56	3290834.22	437025.80								
										IP152	4+108.03	3290832.81	437026.26								
										IP153	4+131.56	3290810.86	437034.71								
										IP154	4+149.80	3290793.92	437041.48								
										IP155	4+181.22	3290766.09	437056.06								
										IP156	4+185.72	3290762.12	437058.17								
										IP157	4+189.51	3290758.74	437059.89								
										IP158	4+196.16	3290752.74	437062.74								
										IP159	4+221.24	3290730.16	437073.69								
										IP160	4+234.86	3290717.57	437078.87								
										IP161	4+279.02	3290676.27	437094.48								
										IP162	4+320.46	3290638.76	437112.12								
										IP163	4+358.46	3290606.19	437131.68								
										IP164	4+378.30	3290589.53	437142.46								

D00	APR 2023	IFC		R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***										
REV.	DATE	P.O.I.S		PREP.	CHK.	APP.	AUT.										
PROJECT NAME:			BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W046S 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 - W046S																	
SCALE	SIZE	DRAWING NO.						SHEET NO.						REV			
H=1:500 V=1:50	A0	BK-W046S-PEDCO-110-SU-DW-0001						10 OF 16						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 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

BANGESTAN

302.76/305.515

API 3000

6743.46

6 inch

ABBREVIATIONS

N.G.L.=Natural Ground Level

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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

GAS Pipe Line (UG)

REFERENCE DRAWING

DRG. No.

General Civil Layout - W046S

BK-W046S-PEDCO-110-CV-PY-0001

Civil and Structural drawings - W046S

BK-W046S-PEDCO-110-CV-PY-0002

Plot Plan Drawing - W046S

BK-W046S-PEDCO-110-PI-DW-0001

Standard Drawing For 1/2 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

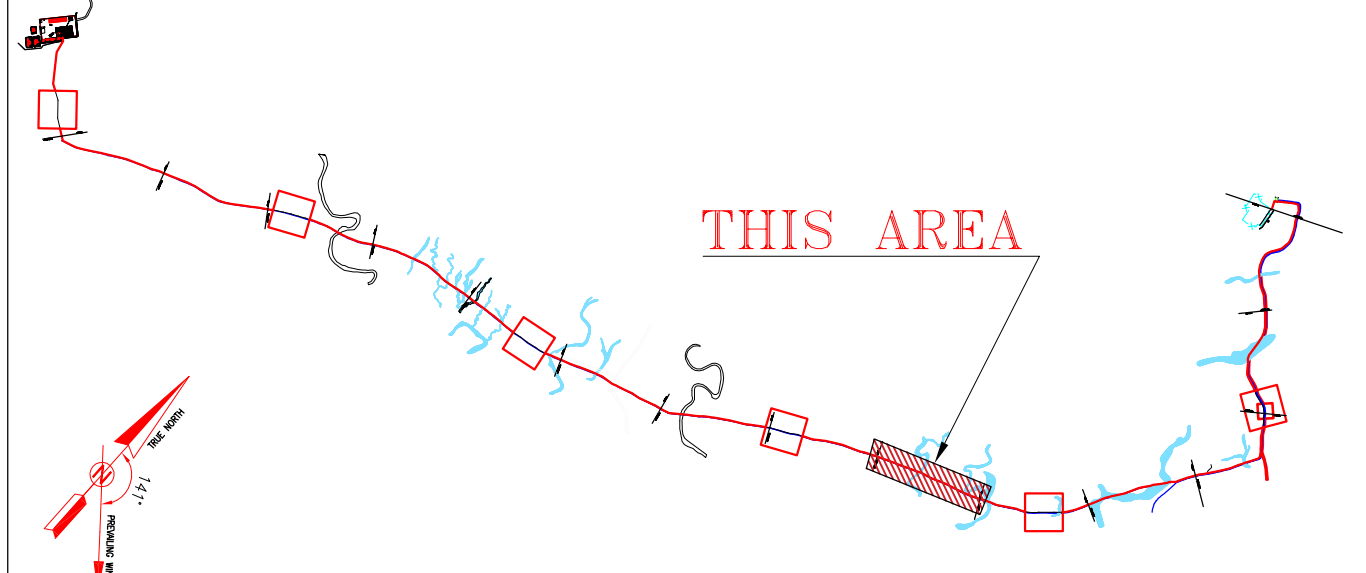
Specification For Pipeline Cold Bending

BK-GNRL-PEDCO-000-PL-SP-0003

Standard Drawing For Concrete Continuous Weight

BK-GNRL-PEDCO-000-CV-DW-0010

KEY PLAN



**

**

REV.

DESCRIPTION

BY

DATE

BY

DATE

اين و كجه نيل اين قشه و نيل القياس مشتق به حرکت نيل حاطق نيل نيل جنوب ميدان.

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W046S 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

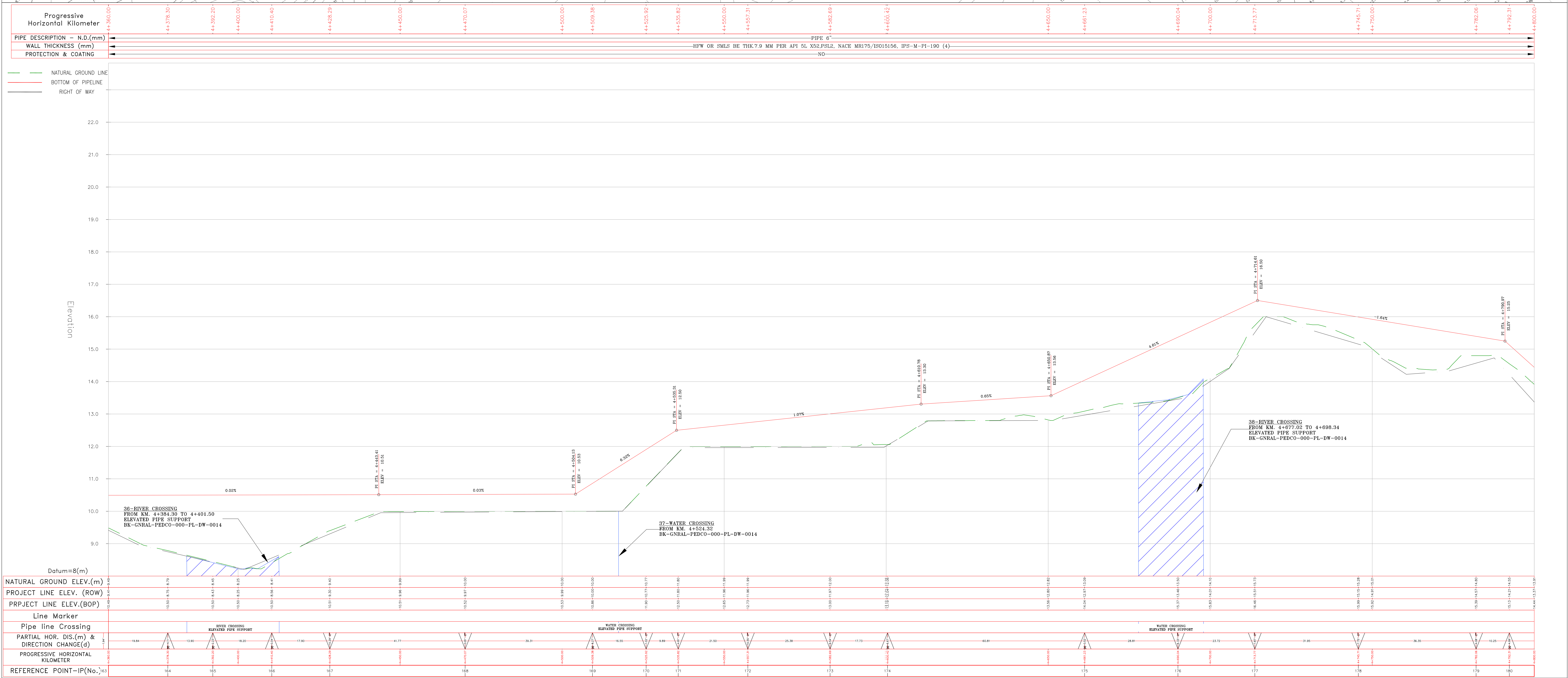
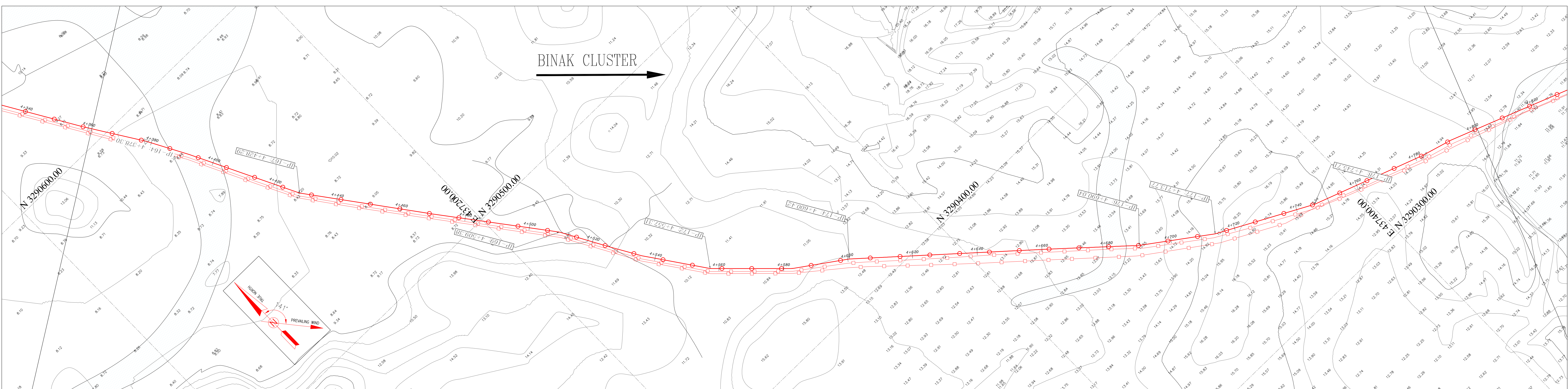
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D00



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)
36	RIVER CROSSING	4+384.30	4+401.50	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP165	4+392.20	3290577.35	437149.16				
37	WATER CROSSING	4+524.32		BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP166	4+410.40	3290561.08	437157.30				
38	RIVER CROSSING	4+677.02	4+698.34	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP167	4+428.29	3290545.08	437165.33				
Bill of Materials										IP168	4+470.07	3290511.68	437190.41				
										IP169	4+509.38	3290480.58	437214.46				
										IP170	4+525.92	3290466.17	437222.59				
										IP171	4+535.82	3290457.64	437227.61				
										IP172	4+557.31	3290440.10	437240.02				
										IP173	4+582.69	3290422.41	437258.22				
										IP174	4+600.42	3290412.33	437272.81				
										IP175	4+661.23	3290372.19	437318.49				
										IP176	4+690.04	3290352.97	437339.96				
										IP177	4+713.77	3290339.20	437359.27				
										IP178	4+745.71	3290324.38	437387.57				
										IP179	4+782.06	3290312.02	437421.75				
										IP180	4+792.31	3290309.22	437431.61				
										IP181	4+816.87	3290300.51	437454.57				

D00	APR.2023	IPC	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W046S 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 – W046S						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
H=1:500 V=1:50	A0	BK-W046S-PEDCO-110-SU-DW-0001			11 OF 16	D00

NOTES

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HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39

ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)

MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)

VERTICAL DATUM: MEAN SEA LEVEL

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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 COURSE

CONTOURS

SPOT HEIGHT

TRIG POINT

CULVERT

WELL LOCATION

WELL

SITE

CAMP SITE

Existing OIL Pipe Line

New OIL Pipe Line

GAS

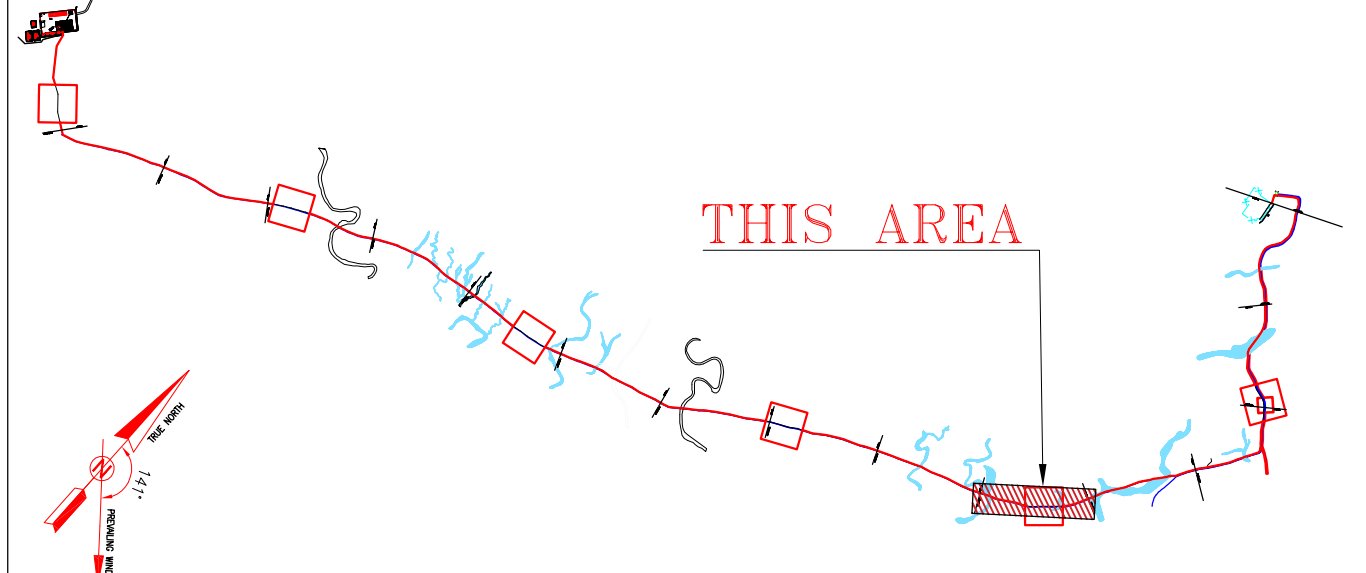
GAS Pipe Line (UG)

REFERENCE DRAWING

DRG. No.

General Civil Layout - W046S	BK-W046S-PEDCO-110-CV-PY-0001
Civil and Structural drawings - W046S	BK-W046S-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W046S	BK-W046S-PEDCO-110-PI-DW-0001
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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
Standard Drawing For Concrete Continuous Weight	BK-GNRL-PEDCO-000-CV-DW-0010

KEY PLAN



REV.

DESCRIPTION

BY

DATE

BY

DATE

**

**

امیل و کپیہ فیصل این نقشہ و سنی اکیلیں مشتاق بہ حرکت ملی حاکمات وقت جنرل جناب میاںداد.

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
W046S WELLHEAD FACILITIES

DATE

SCALE

DRAWING BY

CHECKED BY

PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION

BY:

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BUDGET REF.

LOCATION

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REVISION

053-073-9184

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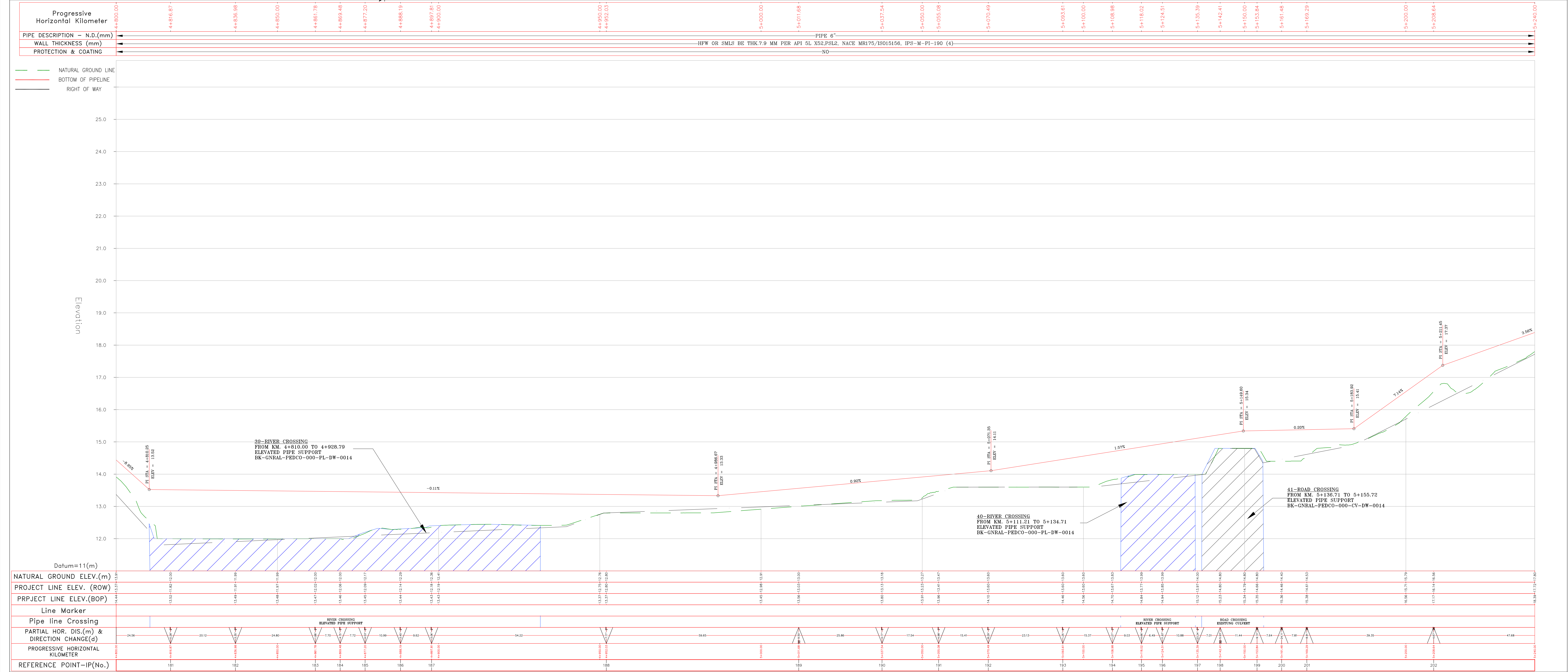
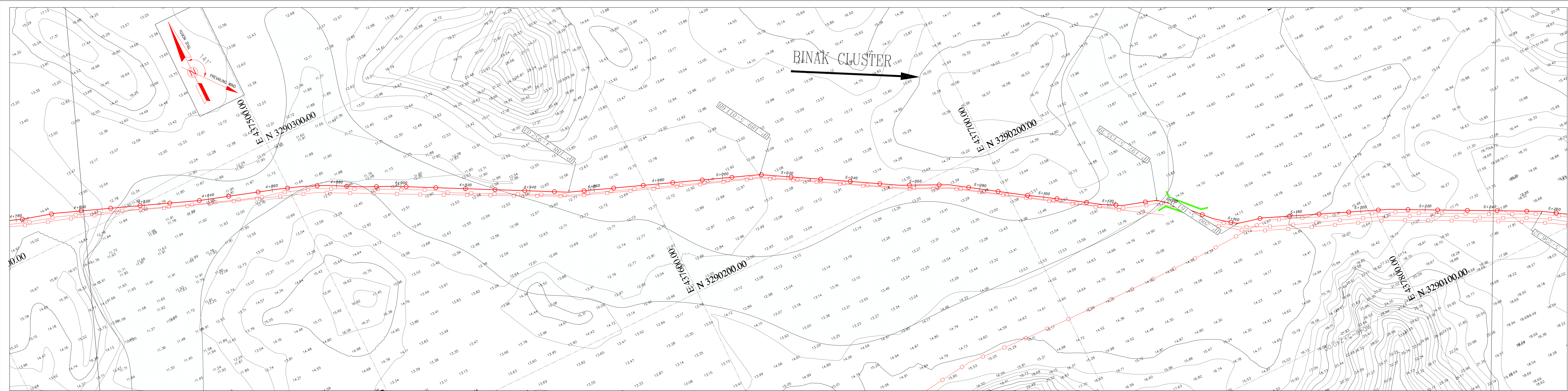
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707670

11

D00



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)
39	RIVER CROSSING	4+810.00	4+928.79	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP182	4+836.98	3290293.27	437473.34				
40	RIVER CROSSING	5+111.21	5+134.71	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP183	4+861.78	3290285.73	437496.96				
41	ROAD CROSSING	5+136.71	5+155.72	BK-GNRL-PEDCO-000-CV-DW-0014	EXISTING CULVERT					IP184	4+869.49	3290283.14	437504.23				
Bill of Materials										IP185	4+877.20	3290280.03	437511.28				
										IP186	4+888.19	3290274.83	437520.96				
										IP187	4+897.81	3290270.78	437529.69				
										IP188	4+902.03	3290245.41	437577.61				
										IP189	5+011.68	3290224.29	437633.40				
										IP190	5+037.54	3290211.28	437655.74				
										IP191	5+055.08	3290203.40	437670.87				
										IP192	5+070.49	3290195.79	437684.78				
										IP193	5+093.61	3290182.95	437704.02				
										IP194	5+108.98	3290174.69	437716.99				
										IP195	5+118.02	3290169.68	437724.50				
										IP196	5+124.51	3290166.52	437730.17				
										IP197	5+135.39	3290163.30	437740.57				
										IP198	5+142.41	3290158.75	437745.90				
										IP199	5+153.84	3290150.47	437753.79				
										IP200	5+161.48	3290145.85	437759.87				
										IP201	5+169.29	3290144.07	437767.48				
										IP202	5+208.64	3290129.30	437803.85				
										IP203	5+256.32	3290107.86	437846.54				

NOTES

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New GRAVEL ROAD

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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

GAS Pipe Line (UG)

REFERENCE DRAWING

DRG. No.

General Civil Layout -W0468

Civil and Structural drawings -W0468

Plot Plan Drawing - W0468

Standard Drawing For 1/2 Pipeline Road Crossing

Standard Drawing For Existing Pipeline Crossing

Standard Drawing For Above Ground Pipeline Construction R.O.W

Standard Drawing For Culvert & Details

Pipeline Standard Drawing For Cover Slab and Set-on-Weight

Pipeline Standard Drawing For River Crossing

Pipeline Standard Drawing For Anchor Support

Pipeline Standard Drawing For H-Pipe Support

Specification For Pipeline Cold Bending

Standard Drawing For Concrete Continuous Weight

BK-W0468-PEDCO-110-CV-PY-0001

BK-W0468-PEDCO-110-CV-PY-0002

BK-W0468-PEDCO-110-PI-DW-0001

BK-GNRL-PEDCO-000-PL-DW-0005

BK-GNRL-PEDCO-000-PL-DW-0006

BK-GNRL-PEDCO-000-PL-DW-0002

BK-GNRL-PEDCO-000-CV-DW-0014

BK-GNRL-PEDCO-000-PL-DW-0013

BK-GNRL-PEDCO-000-PL-DW-0014

BK-GNRL-PEDCO-000-PL-DW-0004

BK-GNRL-PEDCO-000-PL-SP-0003

BK-GNRL-PEDCO-000-CV-DW-0010

KEY PLAN

THIS AREA

REV.

DESCRIPTION

BY

DATE

BY

DATE

REV. APPR.

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EPC CONTRACTOR:

EPD/EPC CONTRACTOR (GC):

HIRGAN ENERGY

TE

HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

PETROIRAN DEVELOPMENT COMPANY

PEDCO

DRAWING TITLE:

Flow line Plan & Profile Drawings - W046S

SCALE

SIZE

DRAWING NO.

SHEET NO.

REV.

BUDGET REF.

LOCATION

SIZE CLASS

SERIAL NO.

SHEET

REVISION

H=1:500

V=1:50

A0

BK-W046S-PEDCO-110-SU-DW-0001

12 OF 16

D00

053-073-9184

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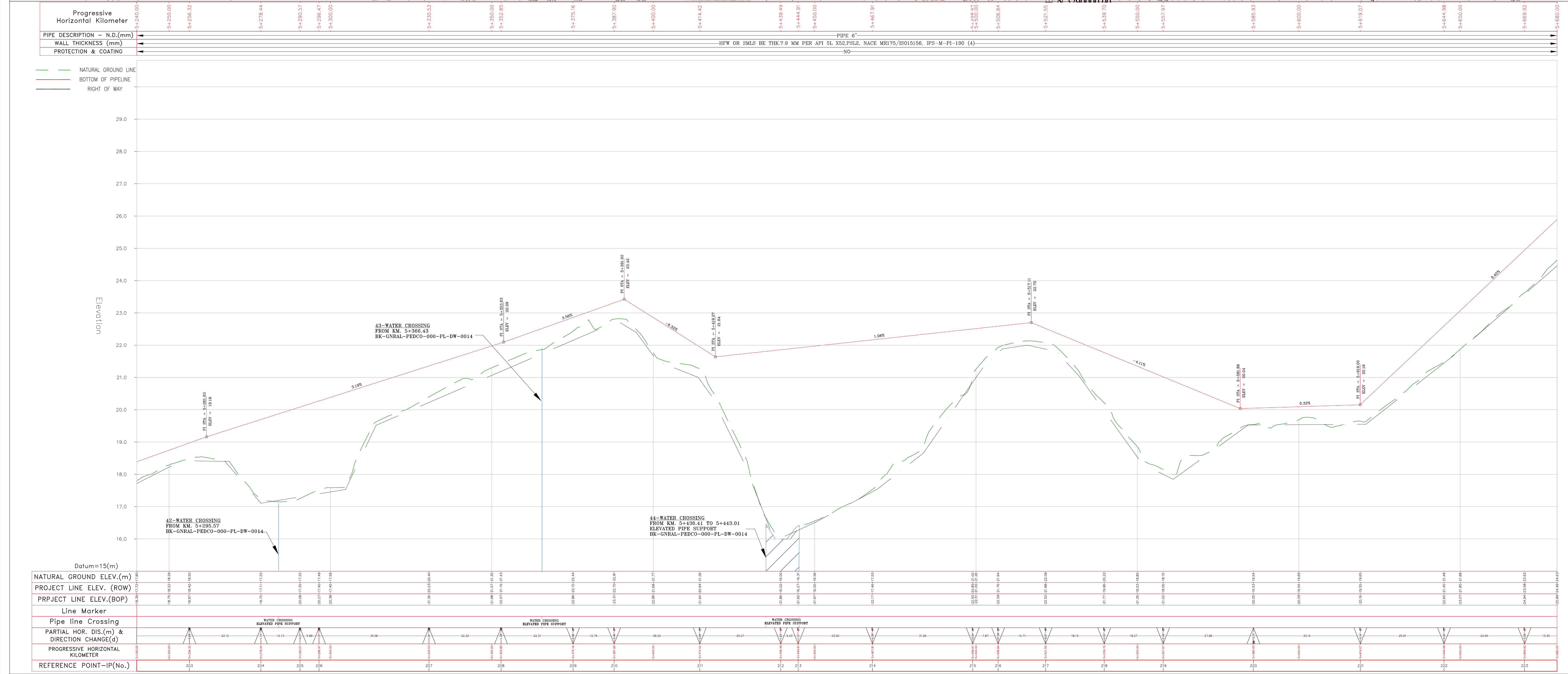
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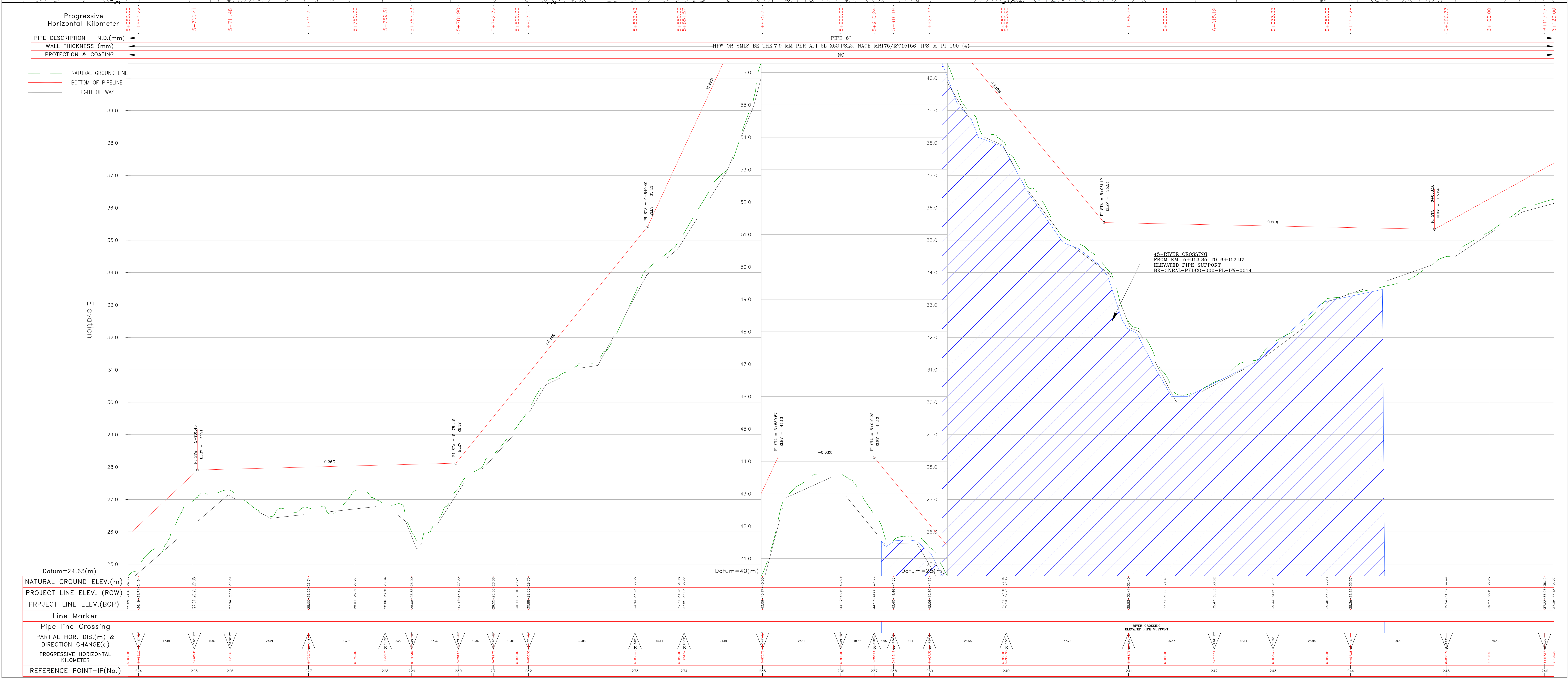
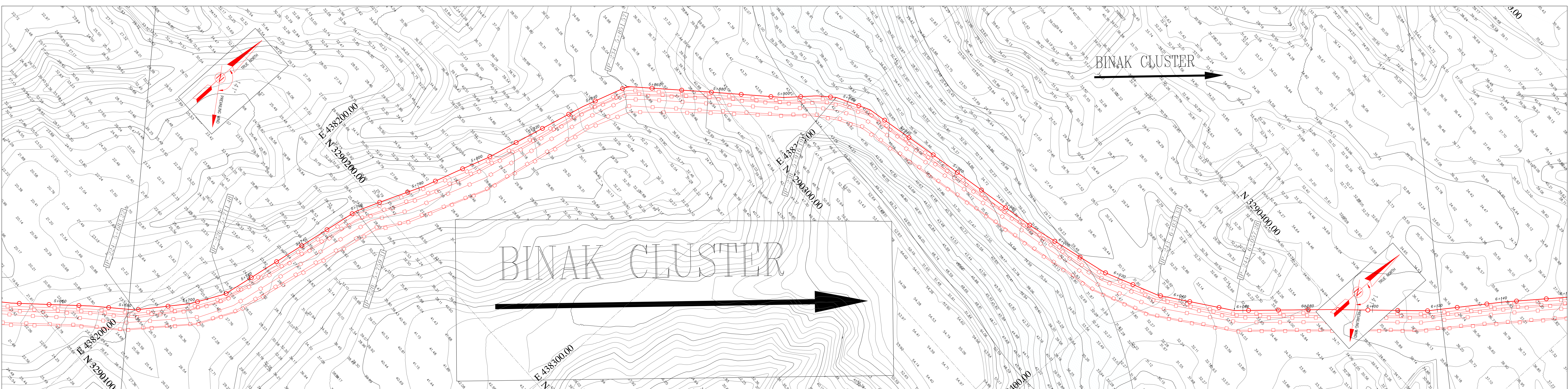
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D00

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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)
45	RIVER CROSSING	5+913.85	6+017.97	BK-GNRL-PEDCO-000-CV-DW-0014	ELEVATED SUPPORT					IP223	5+669.92	3290113.58	438190.45								
										IP224	5+683.22	3290122.66	438200.16								
										IP225	5+700.41	3290136.70	438210.09								
										IP226	5+711.48	3290146.61	438215.01								
										IP227	5+735.70	3290170.49	438219.02								
										IP228	5+759.31	3290193.79	438222.87								
										IP229	5+787.53	3290201.47	438225.81								
										IP230	5+781.90	3290214.80	438231.17								
										IP231	5+792.72	3290225.14	438234.37								
										IP232	5+803.55	3290235.43	438237.74								
										IP233	5+836.43	3290267.41	438245.38								
										IP234	5+851.57	3290281.85	438249.92								
										IP235	5+875.76	3290298.79	438267.19								
										IP236	5+899.92	3290315.58	438284.58								
										IP237	5+910.24	3290323.61	438291.05								
										IP238	5+916.19	3290327.73	438295.34								
															IP239	5+927.33	3290332.98	438305.17			
									IP240	5+950.98	3290338.20	438328.23									
									IP241	5+988.76	3290346.18	438365.16									
									IP242	6+015.19	3290353.50	438390.55									
									IP243	6+033.33	3290361.19	438406.98									
									IP244	6+057.28	3290375.56	438426.14									
									IP245	6+086.77	3290397.77	438445.55									
									IP246	6+117.17	3290420.20	438466.07									
									IP247	6+140.77	3290439.49	438479.65									

DOO	APR.2023	IPC	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W046S WELLHEAD FACILITIES						
PROJECT NO.:		971020				
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
DRAWING TITLE:			Flow line Plan & Profile Drawings - W046S			
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	BUDGET REF.
H=1:500 V=1:50	A0	BK-W046S-PEDCO-110-SU-DW-0001		14 OF 16	DOO	053-073-9184

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 PIPE ANCHORS SHALL BE ADJUSTED & CONFIRMED BY THE CLIENT REPRESENTATIVE AT SITE

WELL NAME

W046

PRESSURE (SUM/WIN) (PSIG)

302.76/305.515

PIPING DESIGN RATING

API 3000

TOTAL LENGTH

6743.46

SIZE

5 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

FENCE

BURNING PIT LINE

TRIG POINT

WATER LINE

CULVERT

BUILDING

CONCRETE AREA

SEPTIC

WELL LOCATION

MANHOLE

WELL

POLE

SITE

HELIPAD

CAMP SITE

Existing OIL Pipe Line

New OIL Pipe Line

GAS

GAS Pipe Line (UG)

REFERENCE DRAWING

DRG. No.

General Civil Layout - W046S

BK-W046S-PEDCO-110-CV-PY-0001

Civil and Structural drawings - W046S

BK-W046S-PEDCO-110-CV-PY-0002

Plot Plan Drawing - W046S

BK-W046S-PEDCO-110-PI-DW-0001

Standard Drawing For 1/2 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

KEY PLAN

**

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REV.

DESCRIPTION

BY

DATE

BY

DATE

ااصل و كليه نسخ اين نقشه و متني الحاقى مشتق به صورت كلى مطابق نقشه جزي جنوب ميباشد.

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W046S WELLHEAD FACILITIES

DATE

SCALE

DRAWING BY

CHECKED BY

PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION

BY:

DATE:

BUDGET REF.

LOCATION

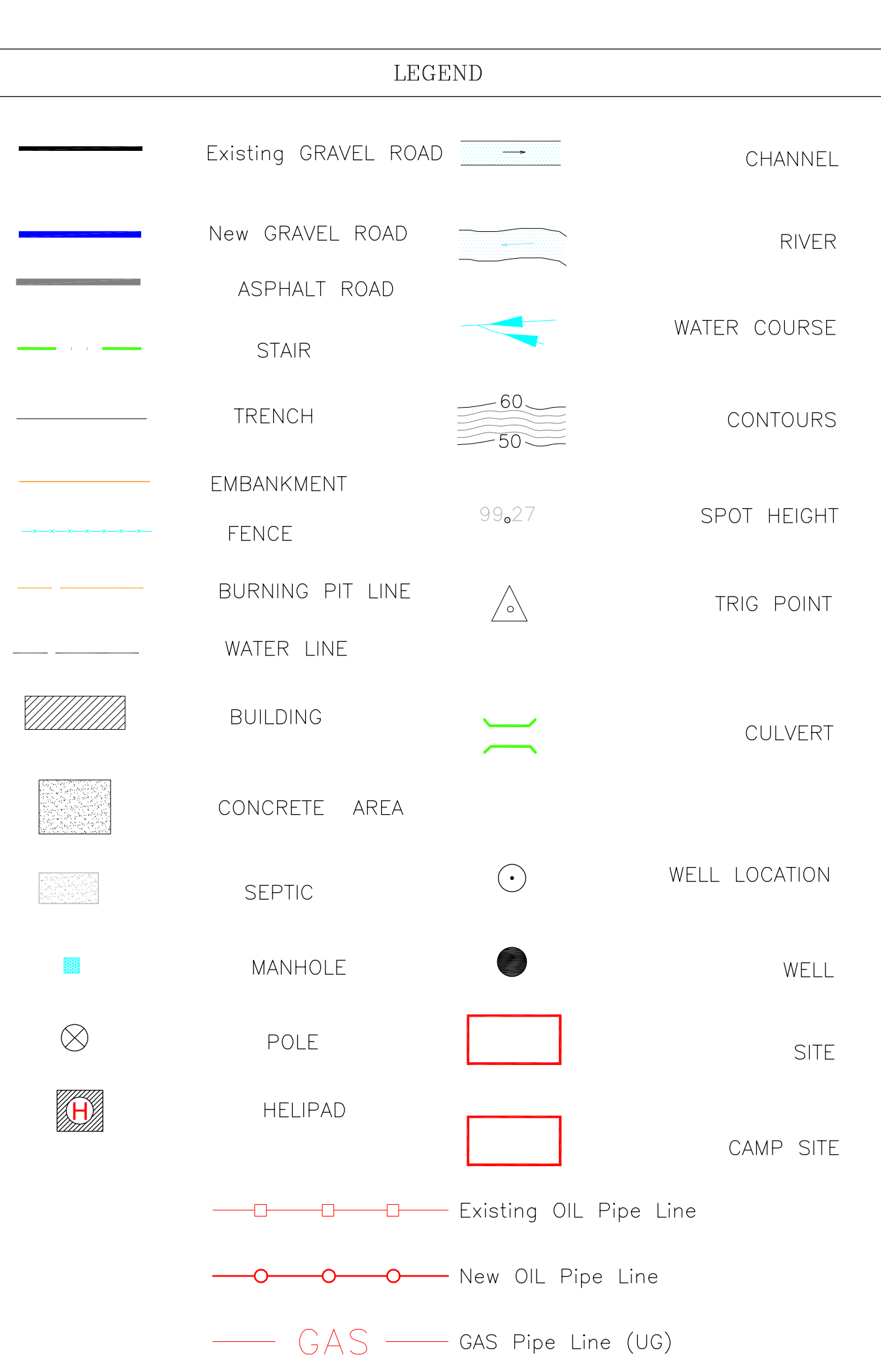
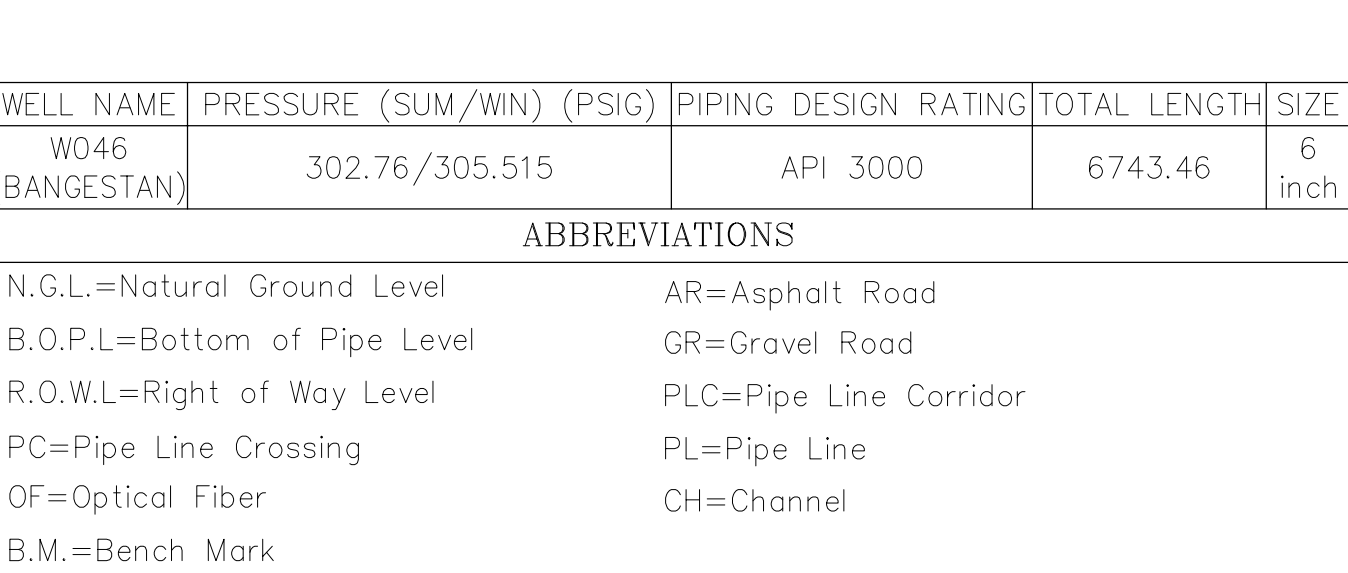
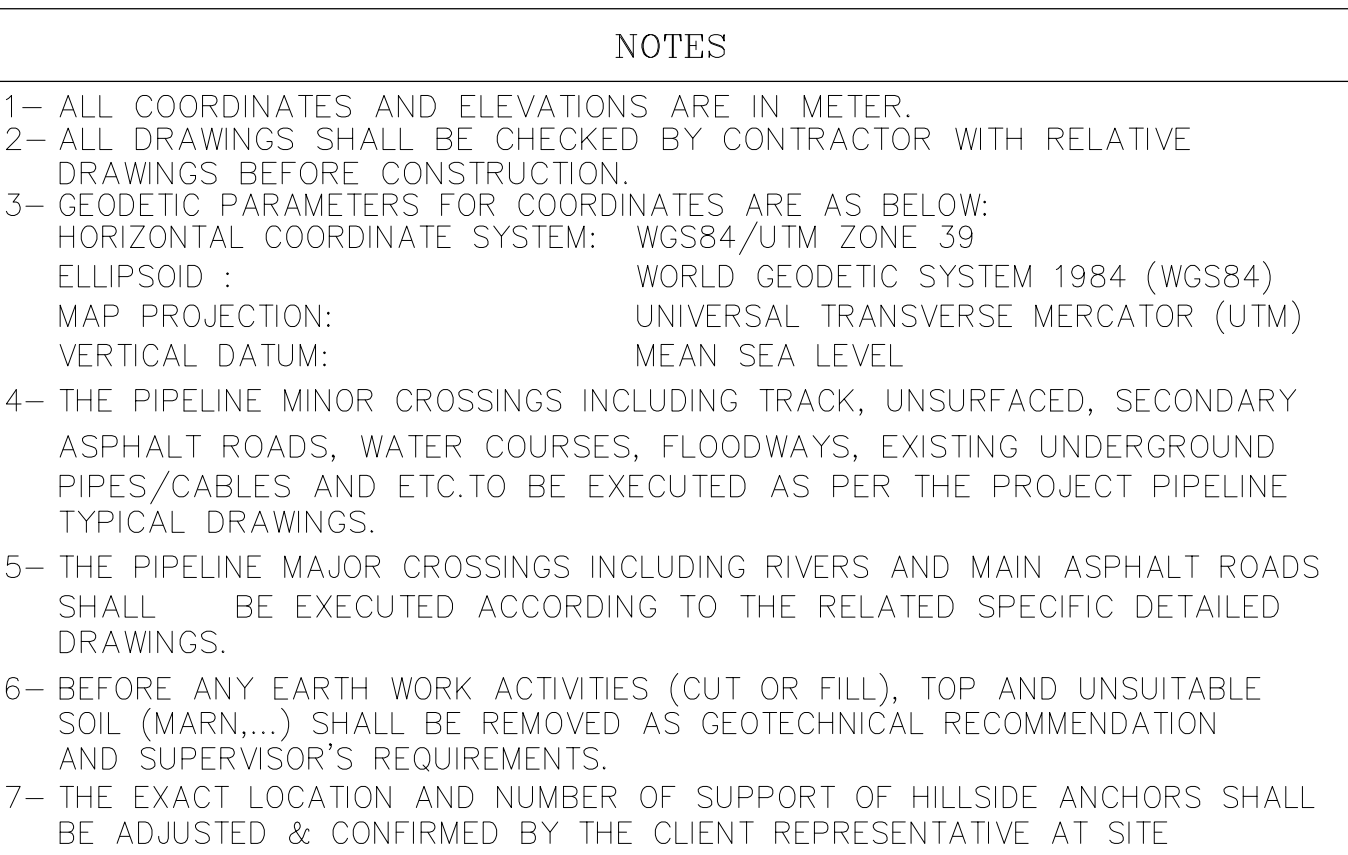
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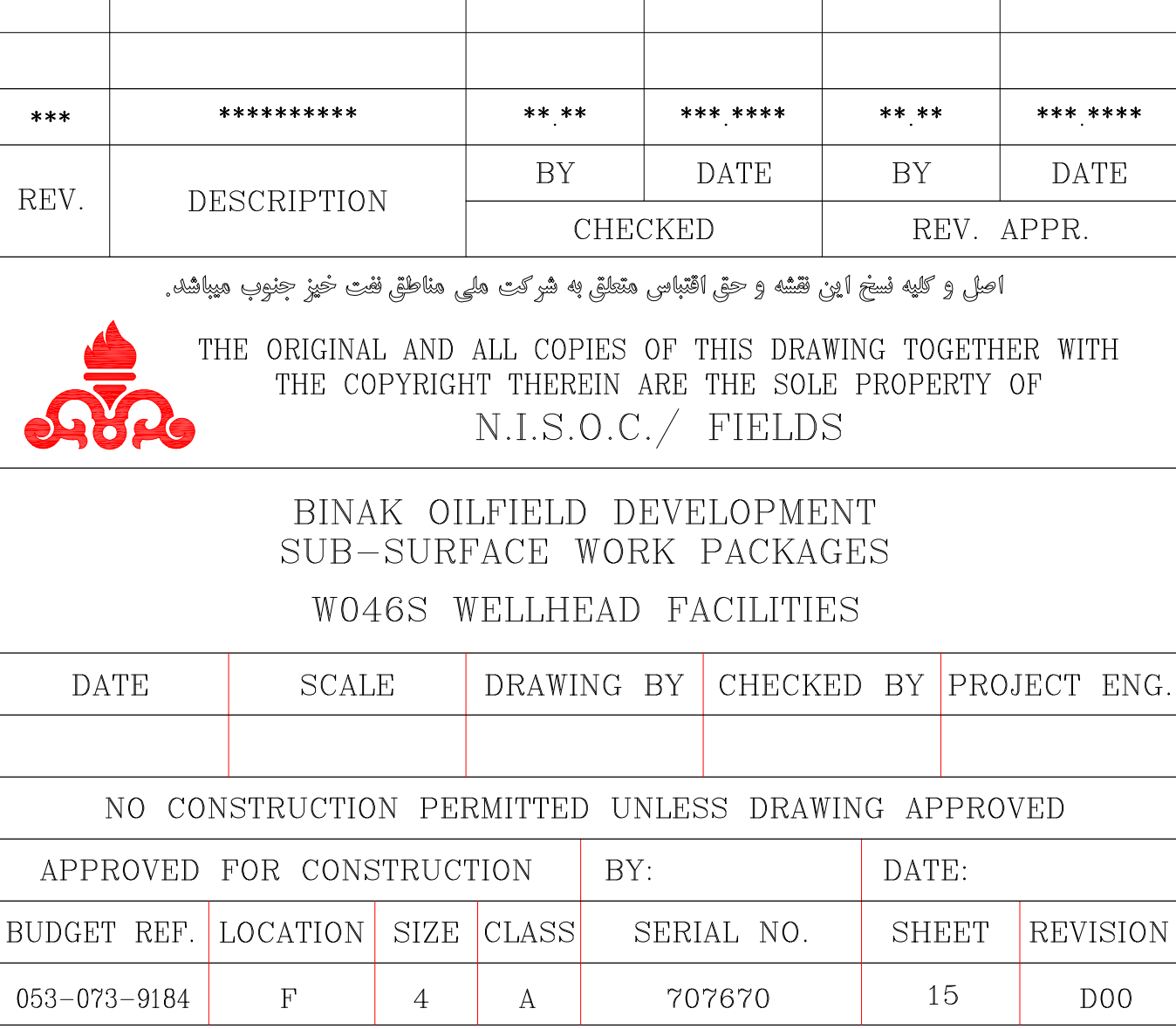
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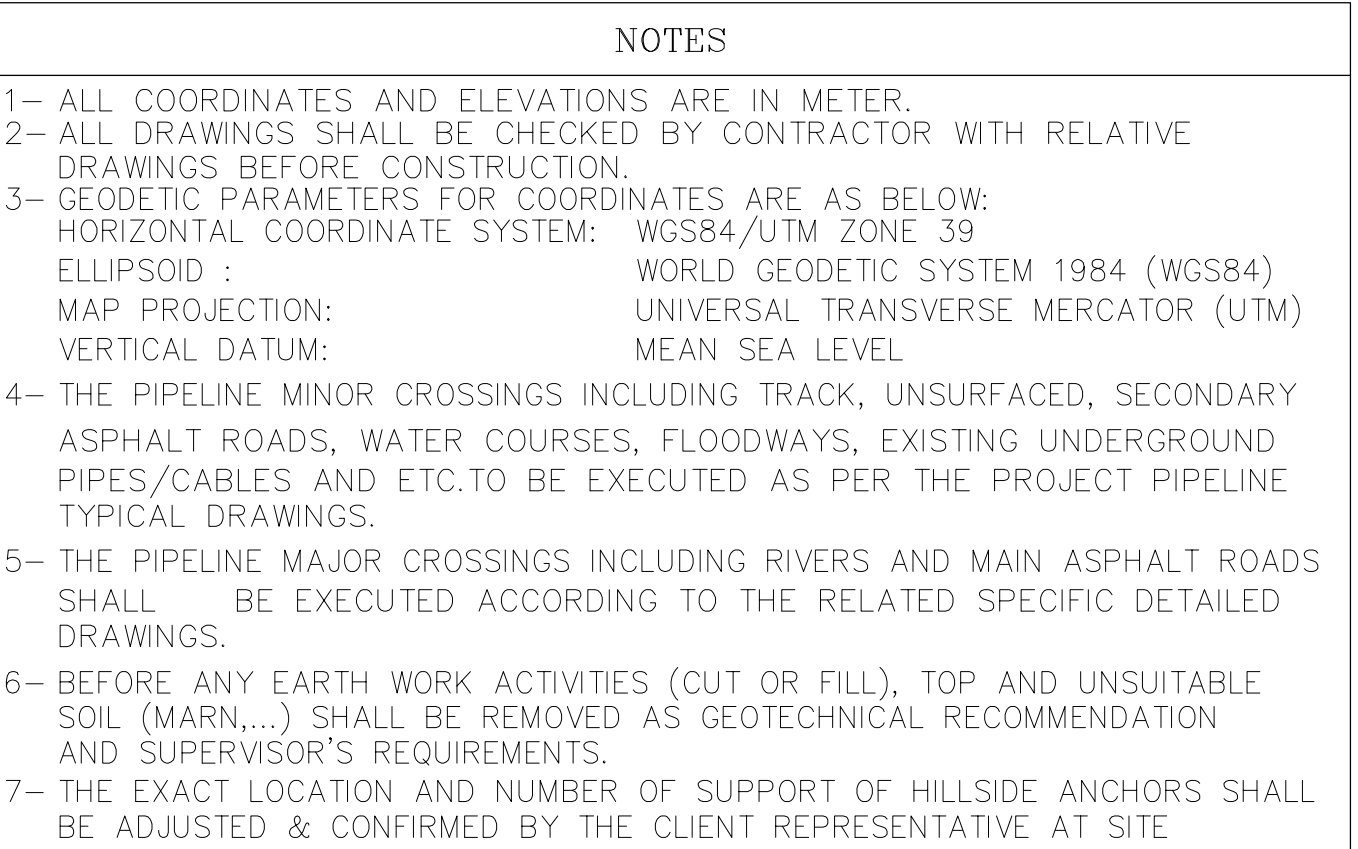
SHEET

REVISION



REFERENCE	DRAWING	DRG. No.
General Civil Layout - W0468		BK-W0468-PEDCO-110-CV-PY-0001
General Structural Drawing - W0468		BK-W0468-PEDCO-110-PT-PY-0002
Civil Plan Drawing - W0468		BK-W0468-PEDCO-110-PT-DM-0001
Standard Drawing For A/C Pipeline Road Crossing		BK-GRNAL-PEDCO-000-PL-DM-0005
Standard Drawing For Existing Pipeline Crossing		BK-GRNAL-PEDCO-000-PL-DM-0006
Standard Drawing For Over Ground Pipeline Construction R.O.W		BK-GRNAL-PEDCO-000-PL-DM-0007
Standard Drawing For Over & Below		BK-GRNAL-PEDCO-000-CV-DM-0014
Standard Drawing Drawing For Cover Slab and Set-Back-Weight		BK-GRNAL-PEDCO-000-PL-DM-0013
Pipeline Standard Drawing For River Crossing		BK-GRNAL-PEDCO-000-PL-DM-0014
Pipeline Standard Drawing For Pipeline Crossing		BK-GRNAL-PEDCO-000-PL-DM-0015
Pipeline Standard Drawing For H-Pipe Support		BK-GRNAL-PEDCO-000-PL-DM-0010
Specification For Pipeline Cold Bending		BK-GRNAL-PEDCO-000-PL-SP-0003
Standard Drawing For Concrete Continuous Weir		BK-GRNAL-PEDCO-000-CV-DM-0010

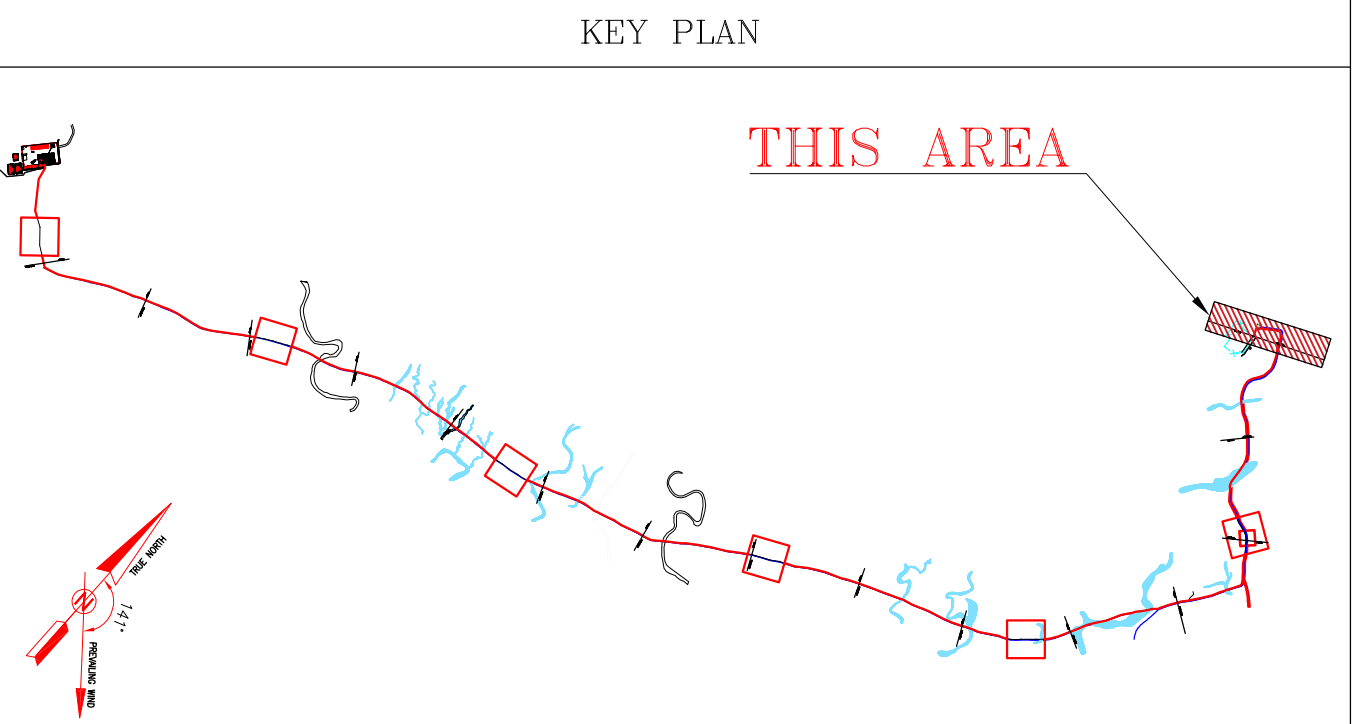




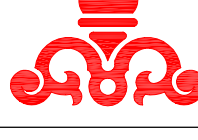
ABBREVIATIONS	
N.G.L.=Natural Ground Level	AR=Asphalt Road
B.O.P.L=Bottom of Pipe Level	GR=Grovel Road
R.O.W.L=Right of Way Level	PLC=Pipe Line Corridor
PC=Pipe Line Crossing	FL=Pipe Line
OF=Optical Fiber	CH=Channel
B.M.=Bench Mark	

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

REFERENCE DRAWING	DRG NO.
General Civil Layout - W0408	BK-W0408-PEDCO-110-CV-PY-0001
Civil and Structural Drawings - W0408	BK-W0408-PEDCO-110-CV-PY-0002
Plot Plan Drawing - W0408	BK-W0408-PEDCO-110-PL-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 Road Gravel Pipeline Intersection R.O.W	BK-GNRL-PEDCO-000-PL-DW-0007
Standard Drawing For Culvert & Details	BK-GNRL-PEDCO-000-CV-DW-0014
Pipeline Standard Drawing For Cover Slab 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 Pipeline Crossing	BK-GNRL-PEDCO-000-PL-DW-0015
Pipeline Standard Drawing For R-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 Continues Welding	BK-GNRL-PEDCO-000-CV-DW-0010



D00	APR 2023	IPC	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***			
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.			
PROJECT NAME:							BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W046S WELLHEAD FACILITIES		
PROJECT NO.:				971020					
EPC CONTRACTOR:				EPD/EPC CONTRACTOR (GC):					
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES						 PEDCO			
DRAWING TITLE:									
Flow line Plan & Profile Drawings – W046S									
SCALE H=1:500 V=1:50	SIZE A0	DRAWING NO. BK-W046S-PEDCO-110-SU-DW-0001				SHEET NO. 16 OF 16	REV D00		

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REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV.	APPR.
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BINAK OILFIELD DEVELOPMENT SUB-SYSTEM WORK PACKAGES W046S 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.	REVISION
053-073-9184	F	4	A	707670	DOO