

TAG NO.	BUILDING LIST
(11)	GAS COMPRESSOR SHELTER
(12)	CHEMICAL INJECTION PACKAGE & STORAGE SHELTER
(13)	FIRE WATER PUMP HOUSE
(14)	UTILITY SHELTER
(15)	CONTROL BUILDING AND CCTV CONTROL ROOM
(16)	FIRE SHED
(17)	EXTENSION OF EXISTING ELECTRICAL BUILDING
(18)	TELECOM CONTROL BUILDING
(19)	CONDENSATE PUMPS SHELTER

TAG NO.	EQUIPMENT LIST
AE-2101 A/B/C	1ST STAGE GAS AIR COOLER
AE-2102 A/B/C	2ND STAGE GAS AIR COOLER
C-2101 A/B/C	1ST STAGE GAS COMPRESSORS
C-2102 A/B/C	2ND STAGE GAS COMPRESSORS
FST-2201	LP FLARE STACK
IG-2201	LP FLARE IGNITION PACKAGE
P-2101 A/B	SLUG PUMPS
P-2102	GLYCOL MANUAL PUMP
P-2103 A/B	GLYCOL TRANSFER PUMPS
P-2104	GLYCOL DRAIN PUMP
DELETED	DELETED
P-2201 A/B	FLARE K.O. DRUM PUMPS
P-2202 A/B	CLOSED DRAIN PUMPS
P-2203 A/B	SUMP PUMPS
P-2206	FUEL OIL PUMP
P-2206B	DIESEL GENERATOR DIESEL PUMP
P-2209	POTABLE WATER PUMP
P-2301 A	FIRE WATER PUMP - ELECTRICAL MOTOR DRIVEN
P-2301 B	FIRE WATER PUMP - DIESEL ENGINE DRIVEN
P-2302 A/B	FIRE WATER JOCKEY PUMPS
PK-2101	GAS DEHYDRATION PACKAGE
PK-C-2203 A/B	AIR COMPRESSOR PACKAGES
PK-DR-2203A/B	AIR DRYER PACKAGE
PK-C-2204	NITROGEN COMPRESSOR PACKAGE
PK-G-2204	NITROGEN GENERATION PACKAGE
PK-2206	DIESEL GENERATOR PACKAGE
PK-2207	CORROSION INHIBITOR INJECTION PACKAGE
DELETED	DELETED
PL-3201	PIG LAUNCHER
PR-2102	GOLKHARI-3 PIG RECEIVER (BY OTHERS)
DELETED	DELETED
SU-2201	CLOSED DRAIN AND FLARE DRUM SUMP
SU-2202	OILY WATER SUMP
TK-2101	SLUG STORAGE TANK
TK-2102	LEAN GLYCOL STORAGE TANK
TK-2209	POTABLE WATER TANK
TK-2301 A/B	FIRE WATER STORAGE TANKS
V-2101 A/B/C	1ST STAGE GAS SUCTION DRUM
V-2102 A/B/C	2ND STAGE GAS SUCTION DRUM
V-2103	2ND STAGE GAS DISCHARGE DRUM
V-2104	SLUG CATCHER DRUM
V-2105	INLET KNOCK OUT DRUM
V-2106	DEGASSING DRUM
V-2107	GLYCOL SUMP DRUM
V-2201	FLARE K.O. DRUM
V-2202	CLOSED DRAIN DRUM
V-2203	INSTRUMENT AIR RECEIVER
V-2204	NITROGEN RECEIVER
V-2205	FUEL GAS K.O. DRUM
V-2206	FUEL OIL STORAGE DRUM
V-2206B	DIESEL GENERATOR DIESEL OIL DRUM
X-2210	NEW SEPTIC PACKAGE

DELUGE NO.	COVERED EQUIPMENT NO.
DV-2301	V-2104
	V-2105
DV-2302	P-2101 A/B
	C-2101 & 2102 A
	V-2101 A
DV-2303	C-2101 & 2102 B
	V-2101 B
	V-2102 B
DV-2304	C-2101 & 2102 C
	V-2101 C
	V-2102 C
	V-2103

NOTES

- FOR MORE DETAIL TO BE REFERRED TO DRAWING NO: BK-GCS-PEDCO-120-SA-PY-0001; P&ID FOR FIREWATER SYSTEM.
- ISOLATION VALVES SHALL BE INSTALLED INSIDE THE PITS. THESE VALVE SHOULD BE POST INDICATOR TYPE (PIV) WITH OPENING CAPABILITY FROM OUTSIDE OF THE PITS.
- FIREWATER NETWORK PIPES SHALL BE INSTALLED UNDERGROUND.
- PE LINES (PE100) WITH SAFETY FACTOR 2.
- HYDRANT/MONITORS SHALL BE LOCATED ALONG ACCESS WAYS AND ROADWAYS AROUND PROCESS AND STORAGE FACILITIES AT LEAST 15 M AWAY FROM THE EQUIPMENT TO BE PROTECTED AND 1.5 M FROM EDGE OF ACCESS ROADS.
- HYDRANT/MONITORS HEIGHT SHALL NOT BE LESS THAN 110 CM FOR HYDRANTS AND 130 CM FOR MONITORS FROM GROUND LEVEL.
- RING MAIN SHALL BE LAID AT LEAST 1 M UNDER ROAD GROUNDS.
- ALL DIMENSIONS AND COORDINATES ARE IN MM.
- DELUGE VALVES SHOULD BE LOCATED IN SAFE AREA OR PROTECTED BY A FIREWALL BETWEEN PROTECTED AREA AND DELUGE VALVES.

REFERENCE DRAWING	DRG. No.
CALCULATION NOTE FOR FIRE WATER DEMAND	BK-GCS-PEDCO-120-SA-CH-0008
SPECIFICATION FOR FIRE WATER SYSTEM	BK-GHRAI-PEDCO-000-SA-SP-0005
UNIT PLOT PLAN DRAWING	BK-GCS-PEDCO-120-PY-PY-0001

LEGEND		
SYMBOL	QTY.	DESCRIPTION
	11	FIRE HYDRANT/MONITOR
	5	FIRE HYDRANT
	10	ISOLATION VALVE(10") - PIV
	3	ISOLATION VALVE(6") - PIV
	1	ISOLATION VALVE(4") - PIV
	3	DELUGE VALVE(6")
	1	DELUGE VALVE(4")

	ABOVE GROUND CS LINE
	UNDER GROUND PE LINE
	DETAIL A
	DETAIL B

D03	JAN.2023	APC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	00.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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TAG NO.	BUILDING LIST
⑪	GAS COMPRESSOR SHELTER
⑫	CHEMICAL INJECTION PACKAGE & STORAGE SHELTER
⑬	FIRE WATER PUMP HOUSE
⑭	UTILITY SHELTER
⑮	CONTROL BUILDING AND CCTV CONTROL ROOM
⑯	FIRE SHED
⑰	EXTENSION OF EXISTING ELECTRICAL BUILDING
⑱	TELECOM CONTROL BUILDING
⑲	CONDENSATE PUMPS SHELTER

TAG NO.	EQUIPMENT LIST
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AE-2102 A/B/C	2ND STAGE GAS AIR COOLER
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C-2102 A/B/C	2ND STAGE GAS COMPRESSORS
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IG-2201	LP FLARE IGNITION PACKAGE
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P-2102	GLYCOL MANUAL PUMP
P-2103 A/B	GLYCOL TRANSFER PUMPS
P-2104	GLYCOL DRAIN PUMP
DELETED	DELETED
P-2201 A/B	FLARE K.O. DRUM PUMPS
P-2202 A/B	CLOSED DRAIN PUMPS
P-2203 A/B	SUMP PUMPS
P-2206	FUEL OIL PUMP
P-2206B	DIESEL GENERATOR DIESEL PUMP
P-2209	POTABLE WATER PUMP
P-2301 A	FIRE WATER PUMP - ELECTRICAL MOTOR DRIVEN
P-2301 B	FIRE WATER PUMP - DIESEL ENGINE DRIVEN
P-2302 A/B	FIRE WATER JOCKEY PUMPS
PK-2101	GAS DEHYDRATION PACKAGE
PK-C-2203 A/B	AIR COMPRESSOR PACKAGES
PK-DR-2203A/B	AIR DRYER PACKAGE
PK-C-2204	NITROGEN COMPRESSOR PACKAGE
PK-G-2204	NITROGEN GENERATION PACKAGE
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PK-2207	CORROSION INHIBITOR INJECTION PACKAGE
DELETED	DELETED
PL-3201	PIG LAUNCHER
PR-2102	GOLKHARI-3 PIG RECEIVER (BY OTHERS)
DELETED	DELETED
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SU-2202	OILY WATER SUMP
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TK-2301 A/B	FIRE WATER STORAGE TANKS
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V-2203	INSTRUMENT AIR RECEIVER
V-2204	NITROGEN RECEIVER
V-2205	FUEL GAS K.O. DRUM
V-2206	FUEL OIL STORAGE DRUM
V-2206B	DIESEL GENERATOR DIESEL OIL DRUM
X-2210	NEW SEPTIC PACKAGE

DELUGE NO.	COVERED EQUIPMENT NO.
DV-2301	V-2104
	V-2105
DV-2302	P-2101 A/B
	C-2101 & 2102 A
	V-2101 A
DV-2303	V-2102 A
	C-2101 & 2102 B
	V-2101 B
DV-2304	V-2102 B
	C-2101 & 2102 C
	V-2101 C
	V-2102 C
	V-2103

NOTES

- FOR MORE DETAIL TO BE REFERRED TO DRAWING NO: BK-GCS-PEDCO-120-SA-PI-0001; P&ID FOR FIREWATER SYSTEM.
- ISOLATION VALVES SHALL BE INSTALLED INSIDE THE PITS. THESE VALVE SHOULD BE POST INDICATOR TYPE (PIV) WITH OPENING CAPABILITY FROM OUTSIDE OF THE PITS.
- FIREWATER NETWORK PIPES SHALL BE INSTALLED UNDERGROUND.
- PE LINES (PE100) WITH SAFETY FACTOR 2.
- HYDRANT/MONITORS SHALL BE LOCATED ALONG ACCESS WAYS AND ROADWAYS/AROUND PROCESS AND STORAGE FACILITIES, AT LEAST 15 M AWAY FROM THE EQUIPMENT TO BE PROTECTED AND 1.5 M FROM EDGE OF ACCESS ROADS.
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- RING MAIN SHALL BE LAID AT LEAST 1 M UNDER ROAD GROUNDS.
- ALL DIMENSIONS AND COORDINATES ARE IN MM.
- DELUGE VALVES SHOULD BE LOCATED IN SAFE AREA OR PROTECTED BY A FIREWALL BETWEEN PROTECTED AREA AND DELUGE VALVES.



PROTECTED AREAS BY WATER MONITOR



PROTECTED AREAS BY WATER HYDRANTS

REFERENCE DRAWING	DRG. No.
CALCULATION NOTE FOR FIRE WATER DEMAND	BK-GCS-PEDCO-120-SA-CH-0008
SPECIFICATION FOR FIRE WATER SYSTEM	BK-GHNL-PEDCO-000-SA-SP-0009
UNIT PLOT PLAN DRAWING	BK-GCS-PEDCO-120-PI-PY-0001

LEGEND

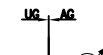
SYMBOL	QTY.	DESCRIPTION
	11	FIRE HYDRANT/MONITOR
	5	FIRE HYDRANT
	10	ISOLATION VALVE(10") - PIV
	3	ISOLATION VALVE(6") - PIV
	1	ISOLATION VALVE(4") - PIV
	3	DELUGE VALVE(6")
	1	DELUGE VALVE(4")

ABOVE GROUND CS LINE





UNDER GROUND PE LINE



DETAIL A



DETAIL B

D03	JAN.2023	AFC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	00.00																											
D02	OCT.2022	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	00.00	000	0000000000	00.00	000.0000	00.00	000.0000																					
D01	APR.2022	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	00.00																											
D00	DEC.2021	IPC	E.SABOCHI	M.PAKHARIAN	M.MEHRSHAD	00.00	REV.	DESCRIPTION	BY	DATE	BY	DATE																					
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.			CHECKED				REV. APPR.																				
PROJECT NAME:							BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION														THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS												
PROJECT NO.:			971020																														
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):																														
																				PETROIRAN DEVELOPMENT COMPANY													
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			PEDCO																	BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION													
DATE			SCALE			DRAWING BY			CHECKED BY			PROJECT ENG.																					
DRAWING TITLE:			FIRE WATER NETWORK LAYOUT																	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					
000000		A3		BK-GCS-PEDCO-120-SA-PY-0001				2 OF 3				D03		053-073-9184		F		2		A		708897				2 OF 3		D03					

امثل و کلیه نسخ این نقشه و حق اکتساب متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

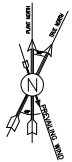
BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
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TAG NO.	BUILDING LIST
(11)	GAS COMPRESSOR SHELTER
(12)	CHEMICAL INJECTION PACKAGE & STORAGE SHELTER
(13)	FIRE WATER PUMP HOUSE
(14)	UTILITY SHELTER
(15)	CONTROL BUILDING AND CCTV CONTROL ROOM
(16)	FIRE SHED
(17)	EXTENSION OF EXISTING ELECTRICAL BUILDING
(18)	TELECOM CONTROL BUILDING
(19)	CONDENSATE PUMPS SHELTER





TAG NO.	EQUIPMENT LIST
AE-2101 A/B/C	1ST STAGE GAS AIR COOLER
AE-2102 A/B/C	2ND STAGE GAS AIR COOLER
C-2101 A/B/C	1ST STAGE GAS COMPRESSORS
C-2102 A/B/C	2ND STAGE GAS COMPRESSORS
FST-2201	LP FLARE STACK
IG-2201	LP FLARE IGNITION PACKAGE
P-2101 A/B	SLUG PUMPS
P-2102	GLYCOL MANUAL PUMP
P-2103 A/B	GLYCOL TRANSFER PUMPS
P-2104	GLYCOL DRAIN PUMP
DELETED	DELETED
P-2201 A/B	FLARE K.O. DRUM PUMPS
P-2202 A/B	CLOSED DRAIN PUMPS
P-2203 A/B	SUMP PUMPS
P-2206	FUEL OIL PUMP
P-2206B	DIESEL GENERATOR DIESEL PUMP
P-2209	POTABLE WATER PUMP
P-2301 A	FIRE WATER PUMP - ELECTRICAL MOTOR DRIVEN
P-2301 B	FIRE WATER PUMP - DIESEL ENGINE DRIVEN
P-2302 A/B	FIRE WATER JOCKEY PUMPS
PK-2101	GAS DEHYDRATION PACKAGE
PK-C-2203 A/B	AIR COMPRESSOR PACKAGES
PK-DR-2203A/B	AIR DRYER PACKAGE
PK-C-2204	NITROGEN COMPRESSOR PACKAGE
PK-G-2204	NITROGEN GENERATION PACKAGE
PK-2206	DIESEL GENERATOR PACKAGE
PK-2207	CORROSION INHIBITOR INJECTION PACKAGE
DELETED	DELETED
PL-3201	PIG LAUNCHER
PR-2102	GOLKHARI-3 PIG RECEIVER (BY OTHERS)
DELETED	DELETED
SU-2201	CLOSED DRAIN AND FLARE DRUM SUMP
SU-2202	OILY WATER SUMP
TK-2101	SLUG STORAGE TANK
TK-2102	LEAN GLYCOL STORAGE TANK
TK-2209	POTABLE WATER TANK
TK-2301 A/B	FIRE WATER STORAGE TANKS
V-2101 A/B/C	1ST STAGE GAS SUCTION DRUM
V-2102 A/B/C	2ND STAGE GAS SUCTION DRUM
V-2103	2ND STAGE GAS DISCHARGE DRUM
V-2104	SLUG CATCHER DRUM
V-2105	INLET KNOCK OUT DRUM
V-2106	DEGASSING DRUM
V-2107	GLYCOL SUMP DRUM
V-2201	FLARE K.O. DRUM
V-2202	CLOSED DRAIN DRUM
V-2203	INSTRUMENT AIR RECEIVER
V-2204	NITROGEN RECEIVER
V-2205	FUEL GAS K.O. DRUM
V-2206	FUEL OIL STORAGE DRUM
V-2206B	DIESEL GENERATOR DIESEL OIL DRUM
X-2210	NEW SEPTIC PACKAGE

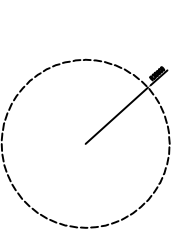
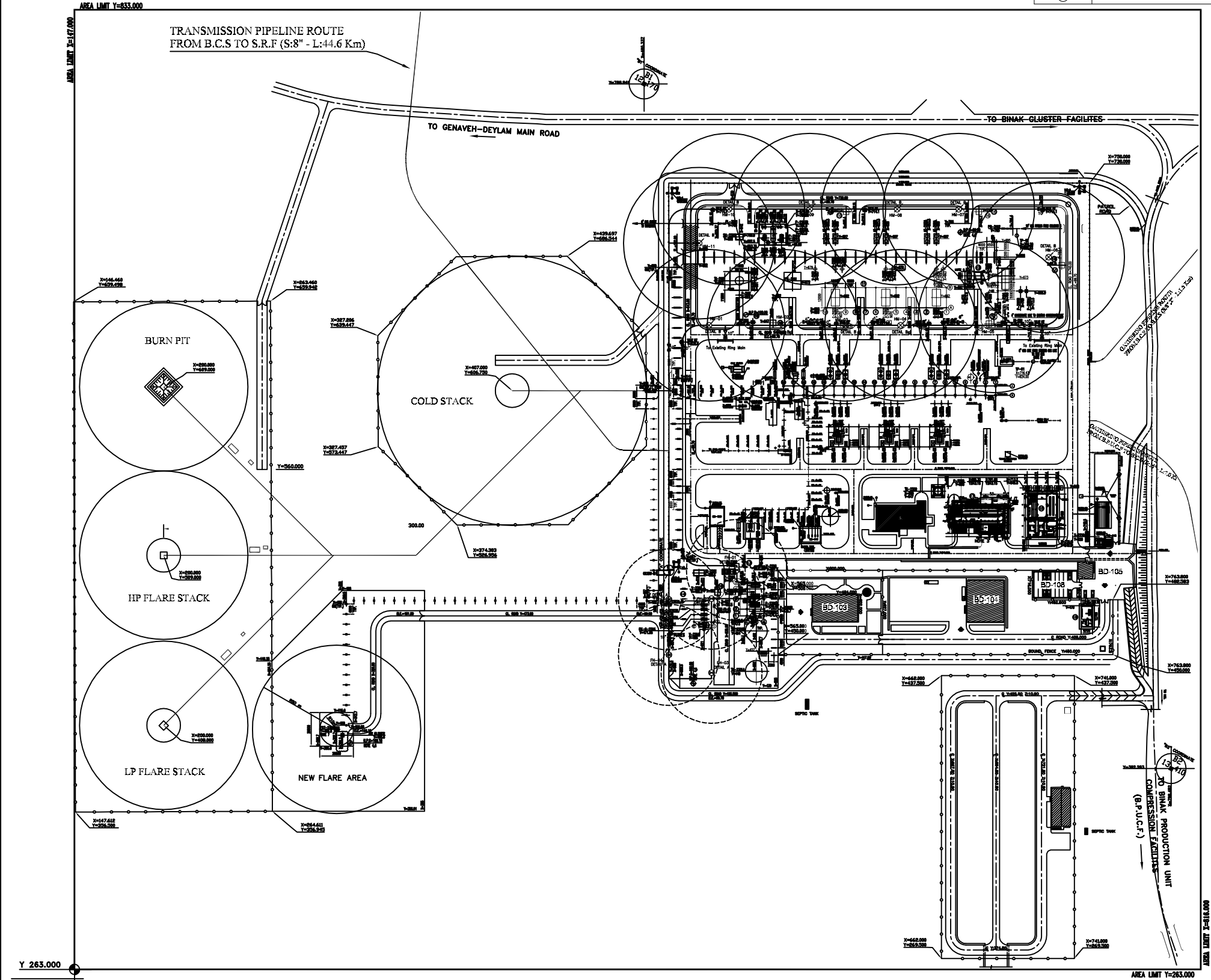
NOTES	
1. FOR MORE DETAIL TO BE REFERRED TO DRAWING NO: BK-GCS-PEDCO-120-SA-PY-0001.; P&ID FOR FIREWATER SYSTEM.	
2. ISOLATION VALVES SHALL BE INSTALLED INSIDE THE PITS. THESE VALVE SHOULD BE POST INDICATOR TYPE (PIV) WITH OPENING CAPABILITY FROM OUTSIDE OF THE PITS.	
3. FIREWATER NETWORK PIPES SHALL BE INSTALLED UNDERGROUND.	
4. PE LINES (PE100) WITH SAFETY FACTOR 2.	
5. HYDRANT/MONITORS SHALL BE LOCATED ALONG ACCESS WAYS AND ROADWAYS AROUND PROCESS AND STORAGE FACILITIES, AT LEAST 15 M AWAY FROM THE EQUIPMENT TO BE PROTECTED AND 1.5 M FROM EDGE OF ACCESS ROADS.	
6. HYDRANT/MONITORS HEIGHT SHALL NOT BE LESS THAN 110 CM FOR HYDRANTS AND 130 CM FOR MONITORS FROM GROUND LEVEL.	
7. RING MAIN SHALL BE LAID AT LEAST 1 M UNDER ROAD GROUNDS.	
8. ALL DIMENSIONS AND COORDINATES ARE IN MM.	
9. DELUGE VALVES SHOULD BE LOCATED IN SAFE AREA OR PROTECTED BY A FIREWALL BETWEEN PROTECTED AREA AND DELUGE VALVES.	
REFERENCE DRAWING	DRG. No.
CALCULATION NOTE FOR FIRE WATER DEMAND	BK-GCS-PEDCO-120-SA-CH-0008
SPECIFICATION FOR FIRE WATER SYSTEM	BK-GHNL-PEDCO-000-SA-SP-0009
UNIT PLOT PLAN DRAWING	BK-GCS-PEDCO-120-PY-PY-0001

DELUGE NO.	COVERED EQUIPMENT NO.
DV-2301	V-2104
	V-2105
DV-2302	P-2101 A/B
	C-2101 & 2102 A
	V-2101 A
DV-2303	V-2102 A
	C-2101 & 2102 B
	V-2101 B
DV-2304	V-2102 B
	C-2101 & 2102 C
	V-2101 C
	V-2102 C
	V-2103

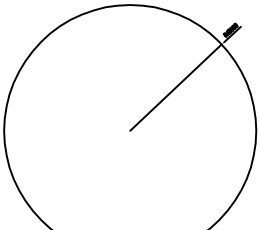
LEGEND		
SYMBOL	QTY.	DESCRIPTION
	11	FIRE HYDRANT/MONITOR
	5	FIRE HYDRANT
	10	ISOLATION VALVE(10") - PIV
	3	ISOLATION VALVE(6") - PIV
	1	ISOLATION VALVE(4") - PIV
	3	DELUGE VALVE(6")
	1	DELUGE VALVE(4")

UG AG		ABOVE GROUND CS LINE
UG AG		UNDER GROUND PE LINE
	DETAIL A	
	DETAIL B	

D03	JAN.2023	AFC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	00.00											
D02	OCT.2022	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	00.00	000	0000000000	00.00	000.0000	00.00	000.0000					
D01	APR.2022	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	00.00											
D00	DEC.2021	IFC	E.SADIGHI	M.PAKHARIAN	M.MEHRSHAD	00.00	REV.	DESCRIPTION	BY	DATE	BY	DATE					
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.			CHECKED		REV. APPR.						
PROJECT NAME:							BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION										
PROJECT NO.:							971020										
EPC CONTRACTOR:							EPD/EPC CONTRACTOR (GC):										
  HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES							 PETROIRAN DEVELOPMENT COMPANY										
							BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION										
							DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.						
DRAWING TITLE:							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED										
SCALE							APPROVED FOR CONSTRUCTION							BY:		DATE:	
							BUDGET REF.							LOCATION	SIZE	CLASS	SERIAL NO.
000000		A3		BK-GCS-PEDCO-120-SA-PY-0001			3 OF 3		D03	053-073-9184		F	2	A	708897	3 OF 3	D03



COVERAGE BY HYDRANT



COVERAGE BY MONITOR