

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
FS1-2201	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
PI-3201	PIG LAUNCHER
PR-2102	COCKHAR-3 PIG RECEIVER (BY OTHERS)
DELETED	DELETED
SUJ-2201	CLOSED DRAIN AND FLARE DRUM SUMP
SUJ-2202	ONLY 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
	P-2101 A/B
DV-2302	C-2101 & 2102 A
	V-2101 A
	V-2102 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

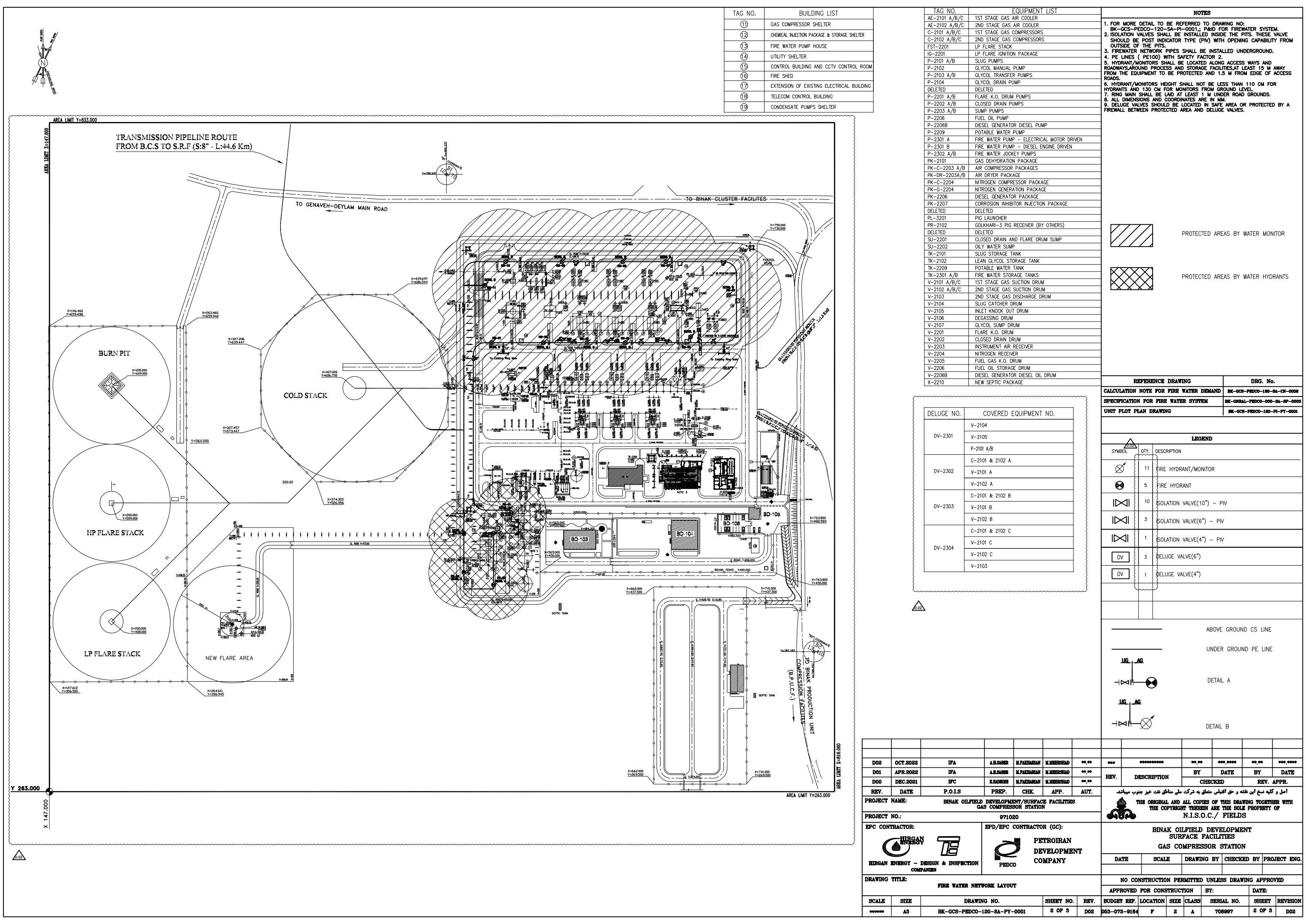
ABOVE GROUND CS LINE

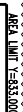
UNDER GROUND PE LINE

DETAIL A

DETAIL B

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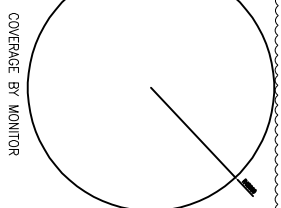




AREA LIMIT X=147.000



~~-TO BINAK CLUSTER FACILITIES-~~





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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
FS1-2101	UP FLARE STACK
IG-2201	UP FLARE IGNITION PACKAGE
P-2101 A/B	SUOL PUMPS
P-2102	GLYCOL MANUAL PUMP
P-2103 A/B	GLYCOL TRANSFER PUMPS
P-2104	GLYCOL DRAIN PUMP
DELETED	
P-2201 A/B	FLARE COOL DRUM PUMPS
P-2202 A/B	FLARE COOL DRUM PUMPS
P-2203 A/B	FLARE COOL DRUM PUMPS

P-2208B	DIESEL GENERATOR DIESEL PUMP
P-2209	POTABLE WATER PUMP
P-2301 A	FIRE WATER PUMP - ELECTRICAL MOTOR DRIVEN
P-2302 A/B	FIRE WATER PUMP - DIESEL ENGINE DRIVEN
P-2302 A/B	FIRE WATER Jockey PUMPS
P-2101	GAS DEHYDRATION PACKAGES
PR-C-2203 A/B	AIR DRYER PACKAGES
PR-0N-2204/B	NO NITROGEN CONVERSION PACKAGES
PR-C-2204	NITROGEN CONVERSION PACKAGES
PR-C-2204	DIESEL GENERATOR PACKAGES
PR-2206	COMBOSION INHIBITOR INJECTION PACKAGE
DELETED	DELETED
DELETED	DELETED
PR-2102	COIL-HEAT-5 PIG RECEIVER (BY OTHERS)
DELETED	DELETED
SLI-2201	CLOSED BRINN AND CLARE DRUM SLIMP
SLI-2202	ONLY WATER SLIMP
TK-2101	SLUG STORAGE TANK
TK-2102	LEAN GASOL STORAGE TANK
TK-2209	POTABLE WATER TANK
TK-2301 A/B	FIRE WATER STORAGE TANKS
V-2101 A/B/C	1ST STAGE GAS SUCCTION DRUM
V-2102 A/B/C	2ND STAGE GAS SUCCTION DRUM
V-2103	2ND STAGE GAS DISCHARGE DRUM
V-2104	SLUG CATCHER DRUM
V-2105	INLET KNOCK OUT DRUM
V-2106	DEPRESSING DRUM
V-2107	GASOL SLIMP DRUM
V-2201	FLARE V.O. DRUM
V-2202	CLOSED BRINN DRUM
V-2203	INSTRUMENT AIR RECEIVER
V-2204	NITROGEN RECEIVER
V-2205	PURGE GAS DRUM
V-2206	PURGE GAS STORAGE DRUM
V-2208	DIESEL GENERATOR DIESEL OIL DRUM
X-2210	NEW SETTING PACKAGE

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








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HESS ENERGY - DESIGN & INSPECTION COMPANIES		PETROBRÁS DEVELOPMENT COMPANY	
DRAWING TITLE:		PERIOD	
PNE WATER NETWORK LAYOUT			
SCALE	SIZE	DRAWING NO.	SHEET NO.
A3	BR-0035-PBDCO-120-SA-PP-0001		3 OF 3
REV.	DOCS	REV.	DOCS
003-973-0164			
APPROVED FOR CONSTRUCTION BY:	DATE:	NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED	
BIDDING REF. LOCATION	SIZE CLASS	REVISION	DATE
7	2 A	708897	3 OF 3
DOCS	DOCS		

NOTES

1. FOR MORE DETAIL TO BE REFERRED TO DRAWING NO. BR-CGS-PFD00-20-54-0100-1. PAID FOR FIREWATER SYSTEM.
2. ISOLATION VALVES SHALL BE INSTALLED INSIDE THE PITS. THESE VALVE SHALL BE FULLY OPERATOR THE (FV) WITH OPERING CAPABILITY FROM OUTSIDE OF THE PITS.
3. FIREWATER NETWORK PIPES SHALL BE INSTALLED UNDERGROUND.
4. PE LINES (PETIO) WITH SAFETY FACTOR 2.
5. HORIZONTAL/WAINTORS SHALL BE LOCATED AND ACCESS WAYS AND ANY OTHER ACCESS SHALL BE SLOCATED AND 1.5 M FROM EDGE OF ACCESS ROADS.
6. HORIZONTAL/WAINTORS HEIGHT SHALL NOT BE LESS THAN 110 CM FOR HORIZONTALS AND 120 CM FOR VERTICALS FROM GROUND LEVEL.
7. ALL DIMENSIONS AND COORDINATES ARE IN METER ROAD BOUNDRIES.
8. DELIVER VEHICLES SHOULD BE LOCATED IN SAFE AREA OR PROTECTED BY A FENCEMENT BETWEEN PROTECTED AREA AND DELIVER VEHICLES.

REFERENCE DRAWING	DWG. No.
CALCULATION NOTE FOR FIRE WATER DEMAND	IR-025-PR000-129-SL-CH-0002
SPECIFICATION FOR FIRE WATER SYSTEM	IR-030SL-PR000-000-SL-SF-0000
UNIT PLOT PLAN DRAWING	IR-005-PR000-129-PF-PF-0001

LEGEND		
SYMBOL	OTI	DESCRIPTION
	11	FIRE HYDRANT/MONITOR
	5	FIRE HYDRANT
	10	ISOLATION VALVE(OT) – PIV
	3	ISOLATION VALVE(6") – PIV
	1	ISOLATION VALVE(4") – PIV
	3	Drain Valve(6")
	1	Drain Valve(4")

