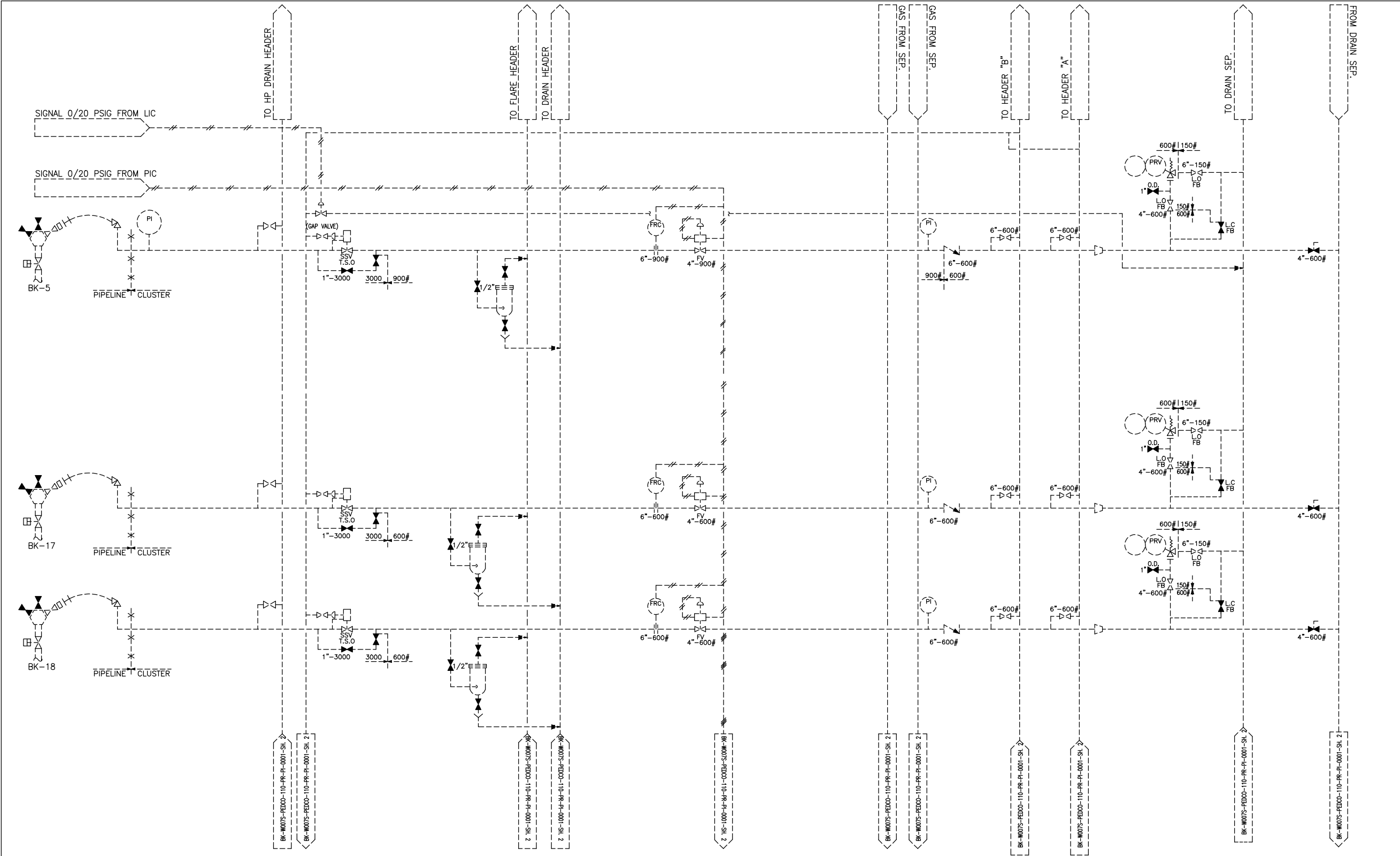




| NOTES |  |  |  |  |  |
|-------|--|--|--|--|--|
|       |  |  |  |  |  |

| LEGEND   |       |  |  |  |  |
|----------|-------|--|--|--|--|
| EXISTING | ----- |  |  |  |  |
| NEW      | _____ |  |  |  |  |

| REFERENCE DRAWING | DRG. No. |
|-------------------|----------|
|                   |          |
|                   |          |

| KEY PLAN |  |  |  |  |  |
|----------|--|--|--|--|--|
|          |  |  |  |  |  |

|      |          |         |           |             |                |       |
|------|----------|---------|-----------|-------------|----------------|-------|
| D05  | NOV.2023 | IFA     | M.ARYAPAR | M.PAKHARIAN | S.PARAMARZPOUR | ** ** |
| D04  | APR.2023 | IFA     | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D03  | DEC.2022 | IFA     | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D02  | AUG.2022 | IFA     | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D01  | FEB.2022 | IFA     | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D00  | OCT.2021 | IFC     | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| REV. | DATE     | P.O.I.S | PREP.     | CHK.        | APP.           | AUT.  |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES  
W007S WHF & EXTENSION OF BINAK B/C

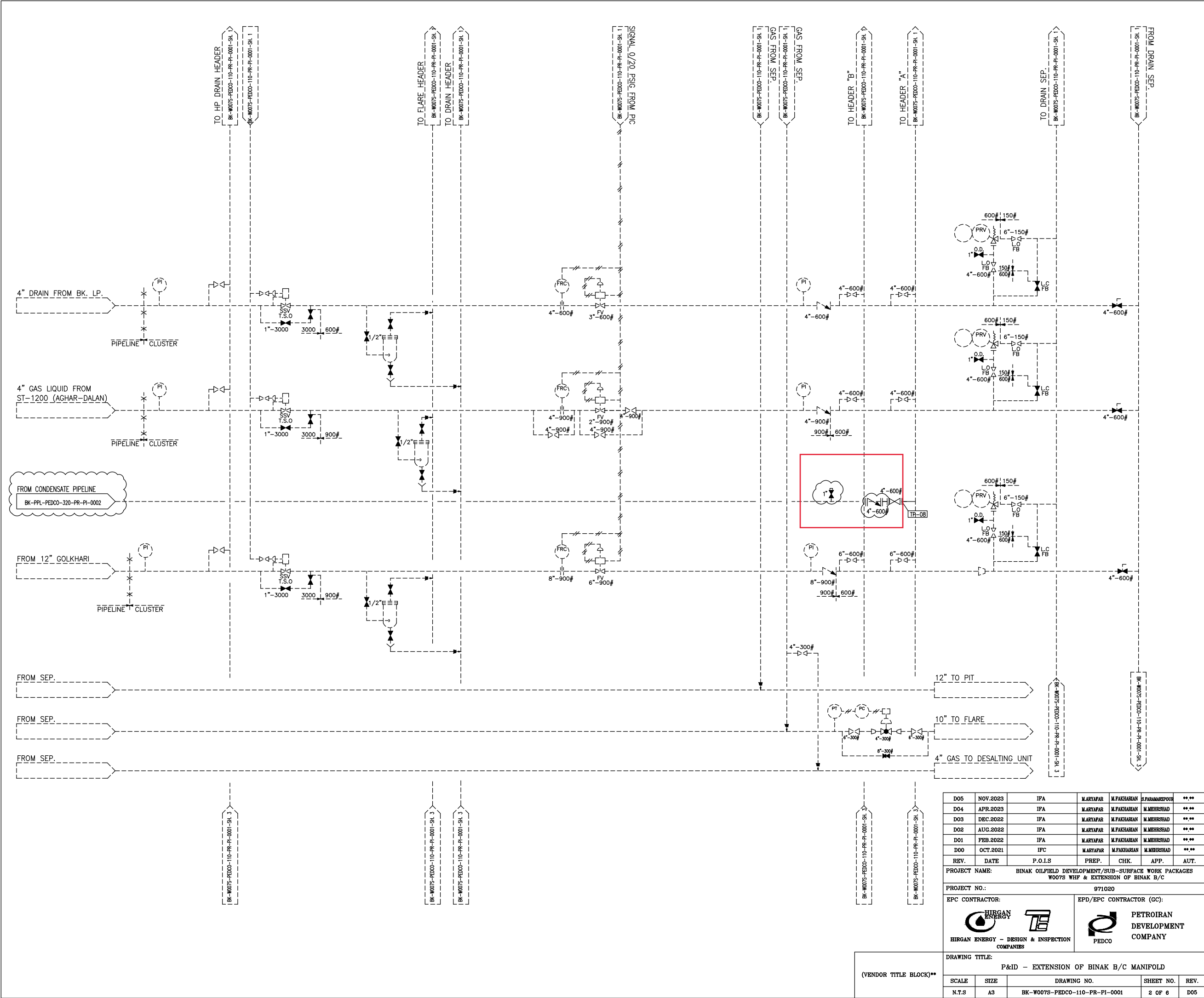
PROJECT NO.: 971020

|                                                                                       |  |                                                                                       |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|
| EPC CONTRACTOR:                                                                       |  | EPD/EPC CONTRACTOR (GC):                                                              |  |
|  |  |  |  |
| HURGAN ENERGY - DESIGN & INSPECTION COMPANIES                                         |  | PEDCO                                                                                 |  |

|                                        |      |                               |           |      |  |
|----------------------------------------|------|-------------------------------|-----------|------|--|
| DRAWING TITLE:                         |      |                               |           |      |  |
| P&ID - EXTENSION OF BINAK B/C MANIFOLD |      |                               |           |      |  |
| SCALE                                  | SIZE | DRAWING NO.                   | SHEET NO. | REV. |  |
| N.T.S                                  | A3   | BK-W007S-PEDCO-110-PR-PI-0001 | 1 OF 6    | D05  |  |

|                                                                                                                             |          |            |            |        |          |
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| APPROVED FOR CONSTRUCTION                                                                                                   |          | BY:        |            | DATE:  |          |
| BUDGET REF.                                                                                                                 | LOCATION | SIZE CLASS | SERIAL NO. | SHEET  | REVISION |
| F2A-707921                                                                                                                  | F        | 2          | A          | 707921 | 6 D05    |

(VENDOR TITLE BLOCK)\*\*



NOTES

LEGEND

REFERENCE DRAWING

DRG. No.

KEY PLAN

|      |          |             |           |             |                |       |
|------|----------|-------------|-----------|-------------|----------------|-------|
| REV. | DATE     | DESCRIPTION | BY        | DATE        | BY             | DATE  |
| D05  | NOV.2023 | IPF         | M.ARYAPAR | M.PAKHARIAN | S.PARAMARZPOUR | ** ** |
| D04  | APR.2023 | IPF         | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D03  | DEC.2022 | IPF         | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D02  | AUG.2022 | IPF         | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D01  | FEB.2022 | IPF         | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D00  | OCT.2021 | IFC         | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |

PROJECT NAME:

BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES

W007S WHF & EXTENSION OF BINAK B/C

PROJECT NO.:

971020

EPC CONTRACTOR:

HURGAN ENERGY

TE

HURGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC):

PEDCO

PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE:

P&ID - EXTENSION OF BINAK B/C MANIFOLD

(VENDOR TITLE BLOCK)\*\*

|                                                   |          |                               |            |                |
|---------------------------------------------------|----------|-------------------------------|------------|----------------|
| 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 |
| N.T.S                                             | A3       | BK-W007S-PEDCO-110-PR-PI-0001 | 2 OF 6     | D05            |

اسم و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES

W007S WELLHEAD FACILITIES

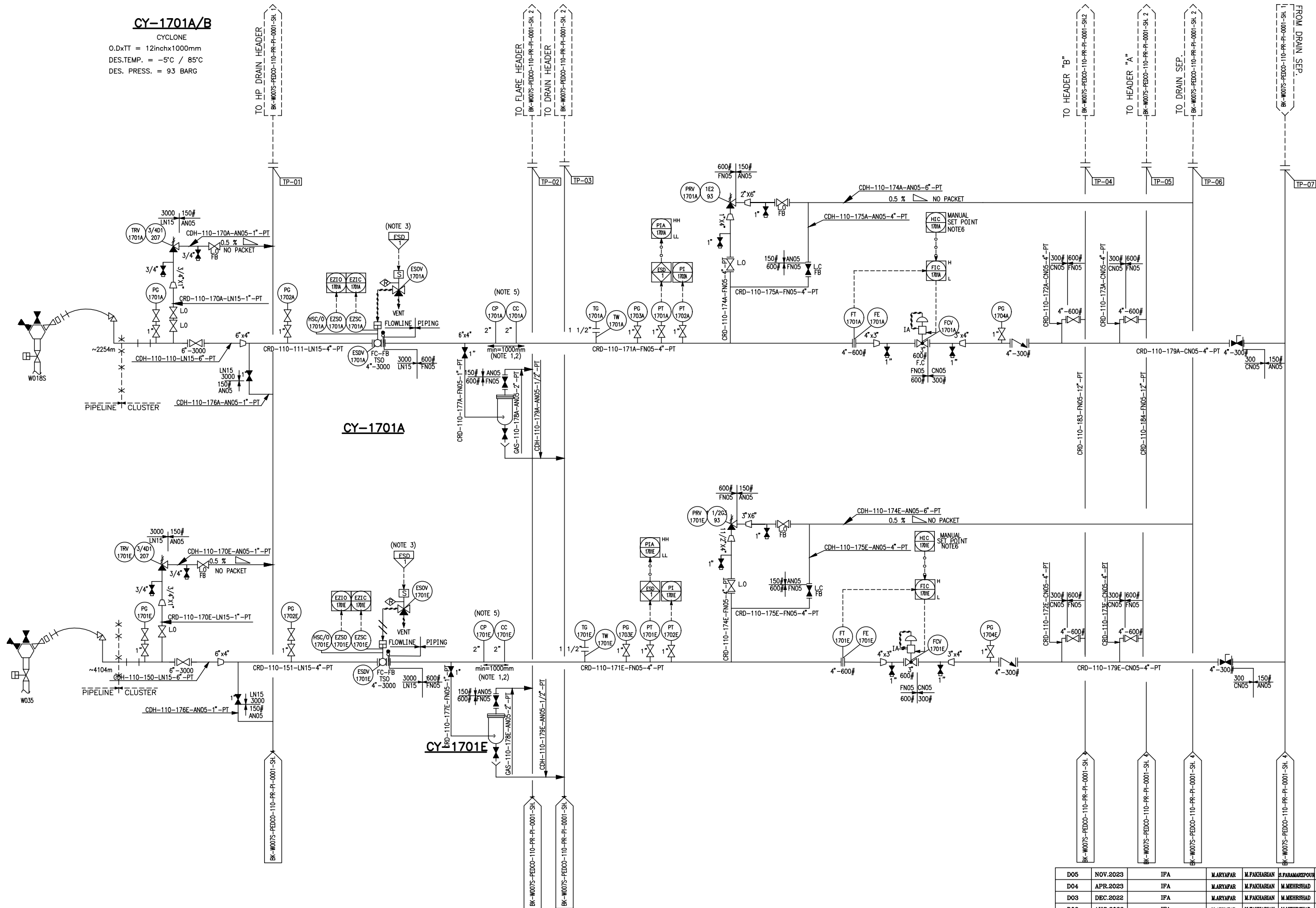
## CY-1701A/B

CYCLONE

O.DxTT = 12inchx1000mm

DES.TEMP. = -5°C / 85°C

DES. PRESS. = 93 BARG

TO HP DRAIN HEADER  
BK-W007S-PEDCO-110-PR-PI-0001-SH. 2TO FLARE HEADER  
BK-W007S-PEDCO-110-PR-PI-0001-SH. 2TO DRAIN HEADER  
BK-W007S-PEDCO-110-PR-PI-0001-SH. 2TO HEADER "B"  
BK-W007S-PEDCO-110-PR-PI-0001-SH. 2TO HEADER "A"  
BK-W007S-PEDCO-110-PR-PI-0001-SH. 2TO DRAIN SEP.  
BK-W007S-PEDCO-110-PR-PI-0001-SH. 2FROM DRAIN SEP.  
BK-W007S-PEDCO-110-PR-PI-0001-SH. 2

## NOTES

1-THE MONITORING DEVICE SHOULD BE USED AT 12 O'CLOCK POSITION ON HORIZONTAL PIPE SECTION.

2-THE MINIMUM DISTANCE OF 7 PIPE DIAMETERS AT DOWNSTREAM AND 3 PIPE DIAMETERS AT UPSTREAM OF ANY CHANGES IN FLOW CAUSED BY BENDS,VALVES AND ETC. SHALL BE CONSIDERED.

3-TOTAL SHUTDOWN ESD COMMAND SHALL BE TRANSMITTED FROM EXISTING SYSTEM OF BINAK CLUSTER TO NEW ESD SYSTEM.

4-TSO ESD VALVE SHALL BE CONSIDERED.

5-ONE PORTABLE METERING/MONITORING DEVICE PER PLANT TO BE PROVIDED BY VENDOR TO BE CONNECTED TO CPS.

6-SELECTION BETWEEN MANUAL SET POINT AND FLOW CONTROL WILL BE DONE BY OPERATOR THROUGH FIC CONTROL LOGIC.

7- DELETED

8- ALL CLOSED DRAIN CONNECTION SHALL BE HARD PIPE FROM THE EQUIPMENT OR FLOWLINE TO THE CLOSED DRAIN SYSTEM,KEEPING THE HAZARDOUS FLUID OUT OF CONTACT WITH THE ATMOSPHERE.

## LEGEND

EXISTING

NEW

## REFERENCE DRAWING

## DRG. No.

## KEY PLAN

|     |          |     |           |             |                |       |
|-----|----------|-----|-----------|-------------|----------------|-------|
| DO5 | NOV.2023 | IFA | M.ARYAPAR | M.PAKHARIAN | S.PARAMARZPOUR | ** ** |
| DO4 | APR.2023 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| DO3 | DEC.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| DO2 | AUG.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| DO1 | FEB.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| DO0 | OCT.2021 | IFC | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |

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

W007S WHF &amp; EXTENSION OF BINAK B/C

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

HIRGAN ENERGY - DESIGN &amp; INSPECTION COMPANIES

PEDCO

DRAWING TITLE: P&amp;ID - EXTENSION OF BINAK B/C MANIFOLD

SCALE: N.T.S. SIZE: A3 DRAWING NO.: BK-W007S-PEDCO-110-PR-PI-0001 SHEET NO.: 3 OF 6 REV.: D05

BUDGET REF. LOCATION: F2A-707921 SIZE CLASS: F 2 A SERIAL NO.: 707921

SHEET REVISION: 6 D05

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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES

W007S WELLHEAD FACILITIES

DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF. LOCATION: F2A-707921 SIZE CLASS: F 2 A SERIAL NO.: 707921

SHEET REVISION: 6 D05

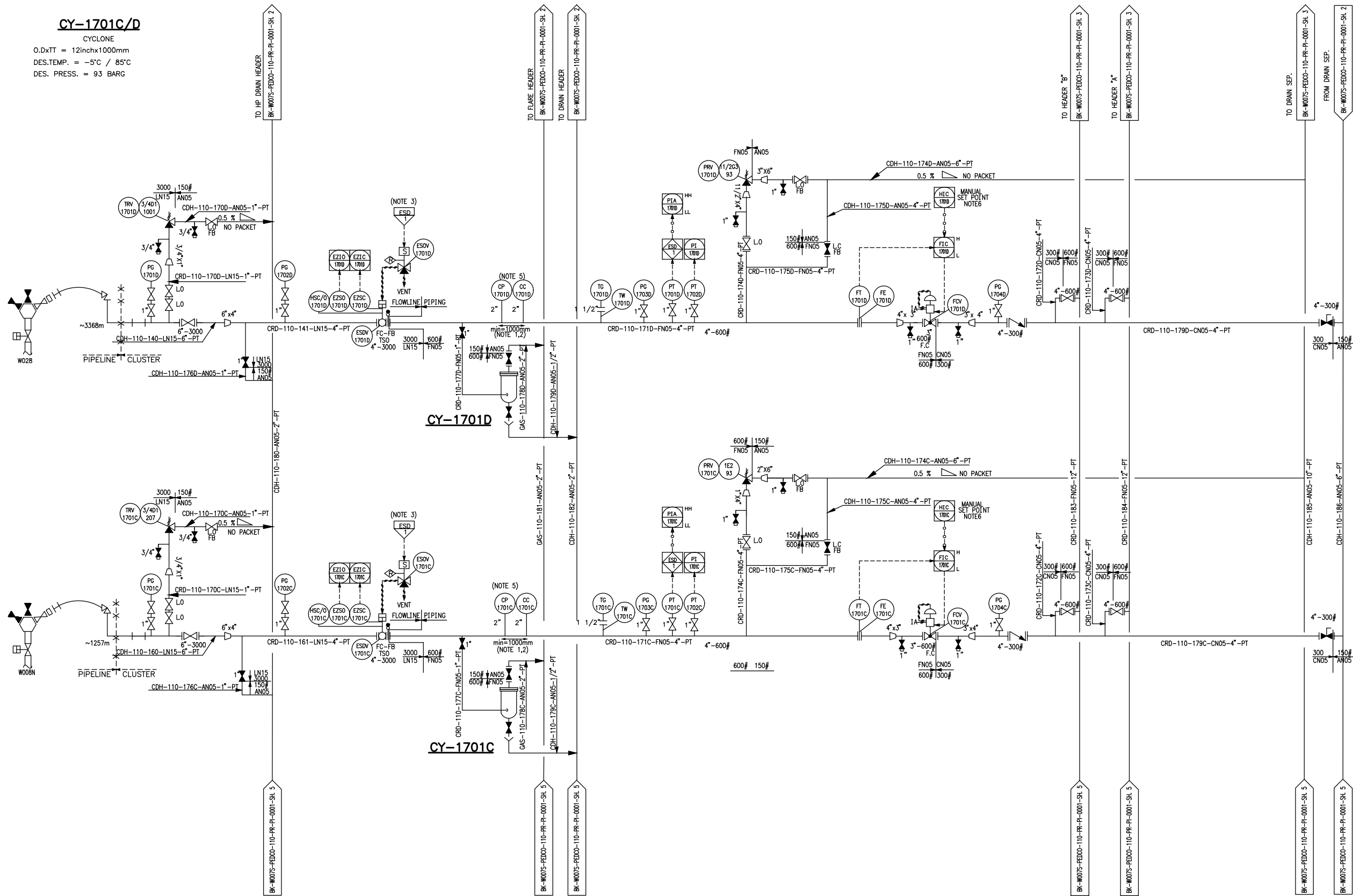
## CY-1701C/D

CYCLONE

O.DxTT = 12inchx1000mm

DES.TEMP. = -5°C / 85°C

DES. PRESS. = 93 BARG



## NOTES

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## LEGEND

EXISTING

NEW

## REFERENCE DRAWING

## DRG. No.

## KEY PLAN

|     |          |     |           |             |              |       |
|-----|----------|-----|-----------|-------------|--------------|-------|
| DO5 | NOV.2023 | IFA | M.ARYAPAR | M.PAKHARIAN | S.PARMAZPOUR | ** ** |
| DO4 | APR.2023 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD   | ** ** |
| DO3 | DEC.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD   | ** ** |
| DO2 | AUG.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD   | ** ** |
| DO1 | FEB.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD   | ** ** |
| DO0 | OCT.2021 | IFC | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD   | ** ** |

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

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

WO07S WHF &amp; EXTENSION OF BINAK B/C

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

HIRGAN ENERGY - DESIGN &amp; INSPECTION COMPANIES

PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: P&amp;ID - EXTENSION OF BINAK B/C MANIFOLD

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION

N.T.S A3 BK-WO07S-PEDCO-110-PR-PI-0001 4 OF 6 D05 F2A-707921 F 2 A 707921 6 D05

اسم و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT

SUB-SURFACE WORK PACKAGES

WO07S WELLHEAD FACILITIES

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

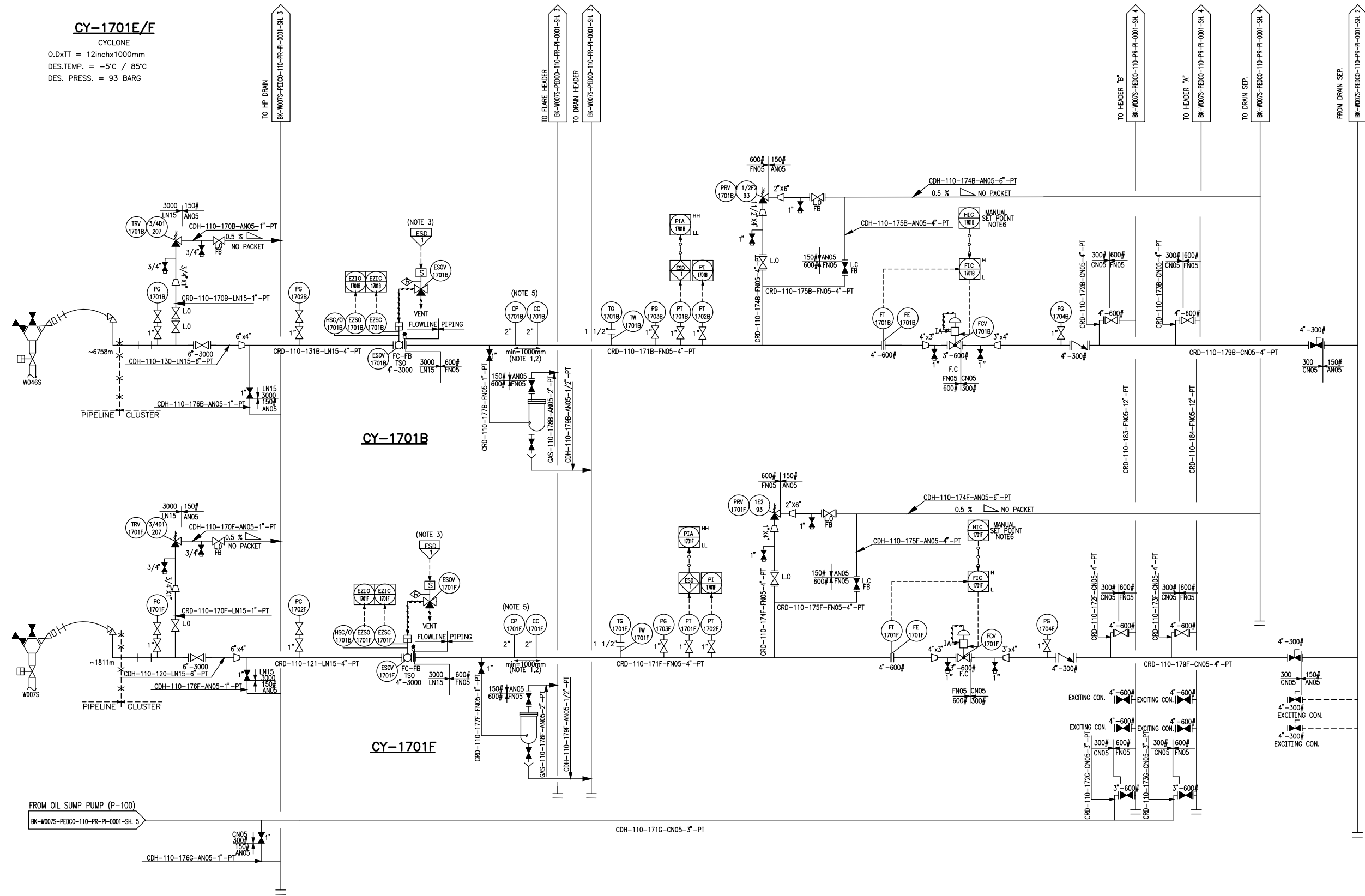
APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION

N.T.S A3 BK-WO07S-PEDCO-110-PR-PI-0001 4 OF 6 D05 F2A-707921 F 2 A 707921 6 D05

CY-1701E/F

CYCLONE  
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LEGEND

EXISTING -----  
NEW \_\_\_\_\_

REFERENCE DRAWING

DRG. No.

KEY PLAN

EXISTING -----  
NEW \_\_\_\_\_

|     |          |     |           |             |                |       |
|-----|----------|-----|-----------|-------------|----------------|-------|
| D05 | NOV.2023 | IFA | M.ARYAPAR | M.PAKHARIAN | S.PARAMARZPOUR | ** ** |
| D04 | APR.2023 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D03 | DEC.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D02 | AUG.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D01 | FEB.2022 | IFA | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |
| D00 | OCT.2021 | IFC | M.ARYAPAR | M.PAKHARIAN | M.MEHRSHAD     | ** ** |

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES  
W007S WHF & EXTENSION OF BINAK B/C

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY  
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: P&ID - EXTENSION OF BINAK B/C MANIFOLD

| SCALE | SIZE | DRAWING NO.                   | SHEET NO. | REV. |
|-------|------|-------------------------------|-----------|------|
| N.T.S | A3   | BK-W007S-PEDCO-110-PR-PI-0001 | 5 OF 6    | D05  |

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BINAK OILFIELD DEVELOPMENT  
SUB-SURFACE WORK PACKAGES  
W007S 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 |
| F2A-707921                | F        | 2 A        |
| 707921                    | 6        | D05        |

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3

ب ميباشد.

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

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**HIRGAN  
ENERGY**



## PETROIRAN DEVELOPMENT

**PEDCO**

COMPANY

|      |       |            |            |              |
|------|-------|------------|------------|--------------|
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

|                           |     |       |
|---------------------------|-----|-------|
| APPROVED FOR CONSTRUCTION | BY: | DATE: |
|---------------------------|-----|-------|

(VENDOR TITLE BLOCK)\*\*