

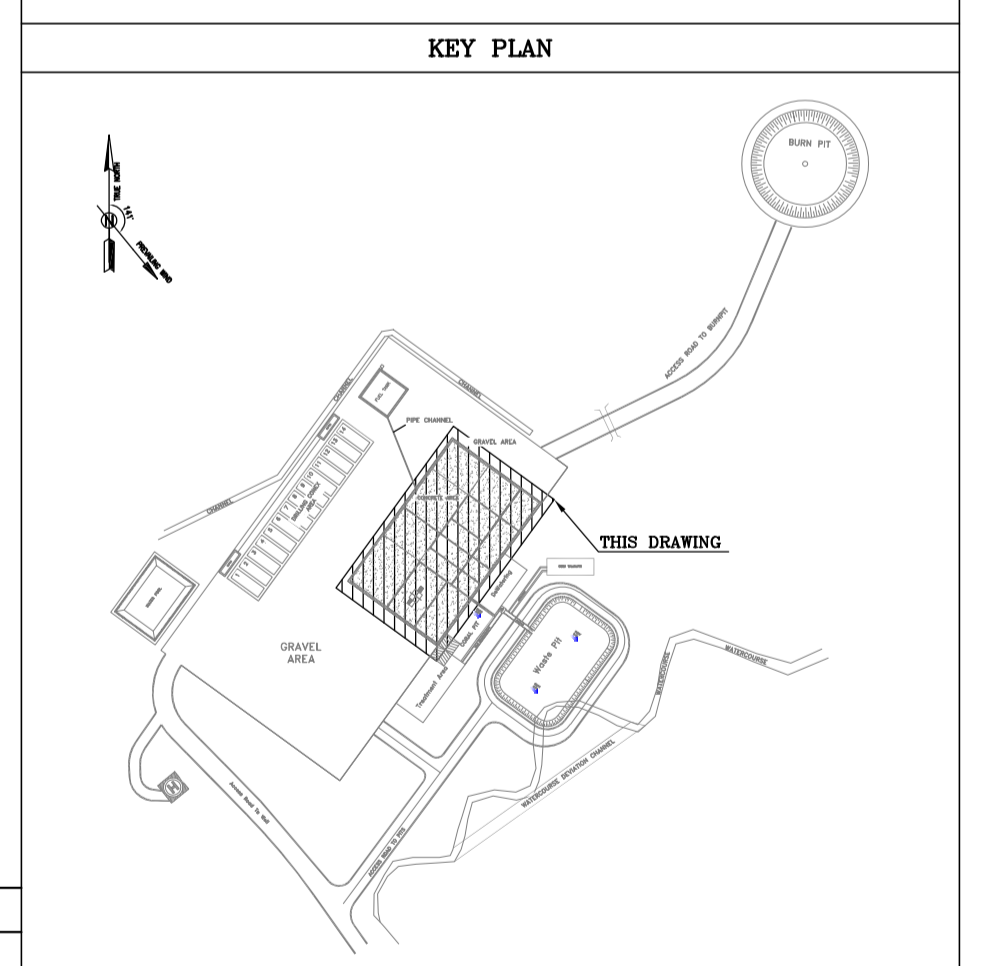
- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- 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: MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



WELLPAD FOUNDATION PLAN FORMWORK
1:100

TABLE 1 (CORNERS COORDINATES)

| POINT | E | N |
|---------|--------------|---------------|
| POINT 1 | E=437101.775 | N=3293096.177 |
| POINT 2 | E=437139.387 | N=3293147.959 |
| POINT 3 | E=437172.074 | N=3293124.216 |
| POINT 4 | E=437134.462 | N=3293072.434 |
| POINT 5 | E=437158.881 | N=3293106.052 |
| POINT 6 | E=437166.972 | N=3293100.175 |

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S WELLPAD FOUNDATION FORMWORK PLAN

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. | BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|----------|------|------------------------------|-----------|------|--------------|----------|------|-------|------------|-------|----------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 01 OF 42 | D06 | 053-073-9184 | F | 4 | S | 707548 | 1 | D06 |

| REV. | DESCRIPTION | BY | DATE | BY | DATE |
|------|-------------|-----|-------|-----|-------|
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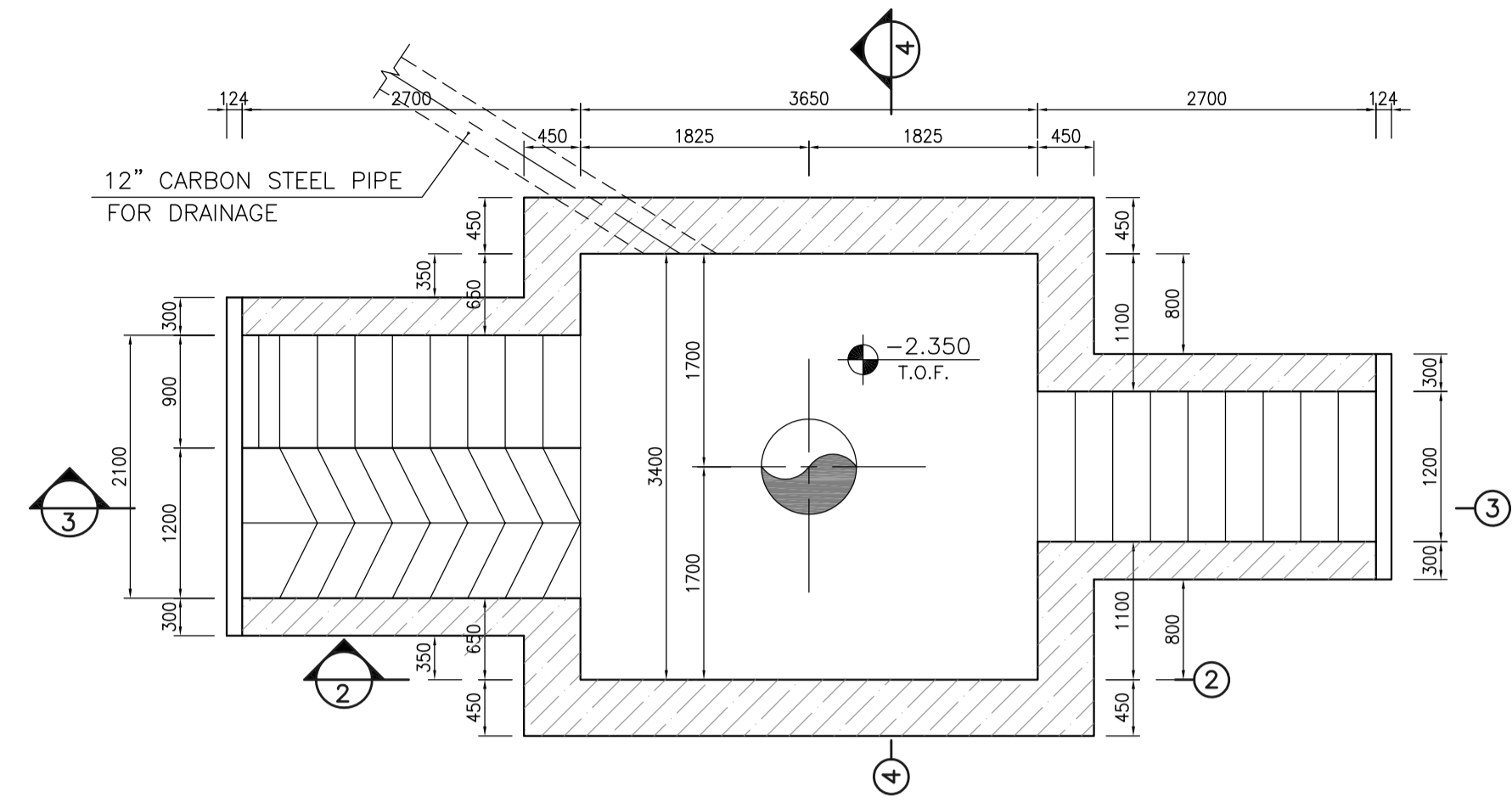
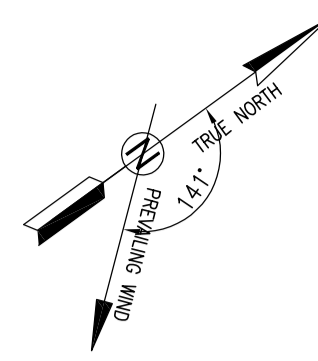
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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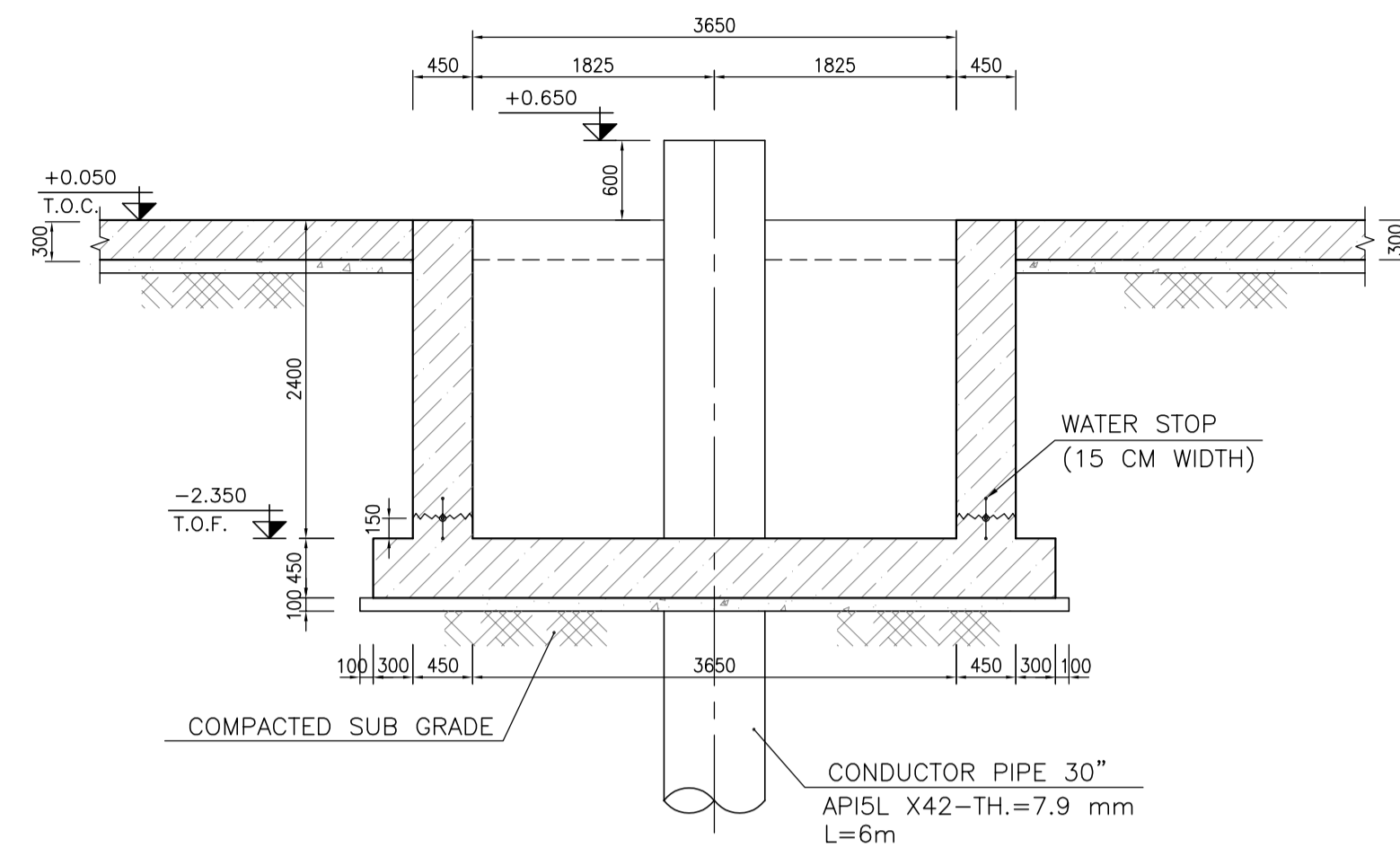
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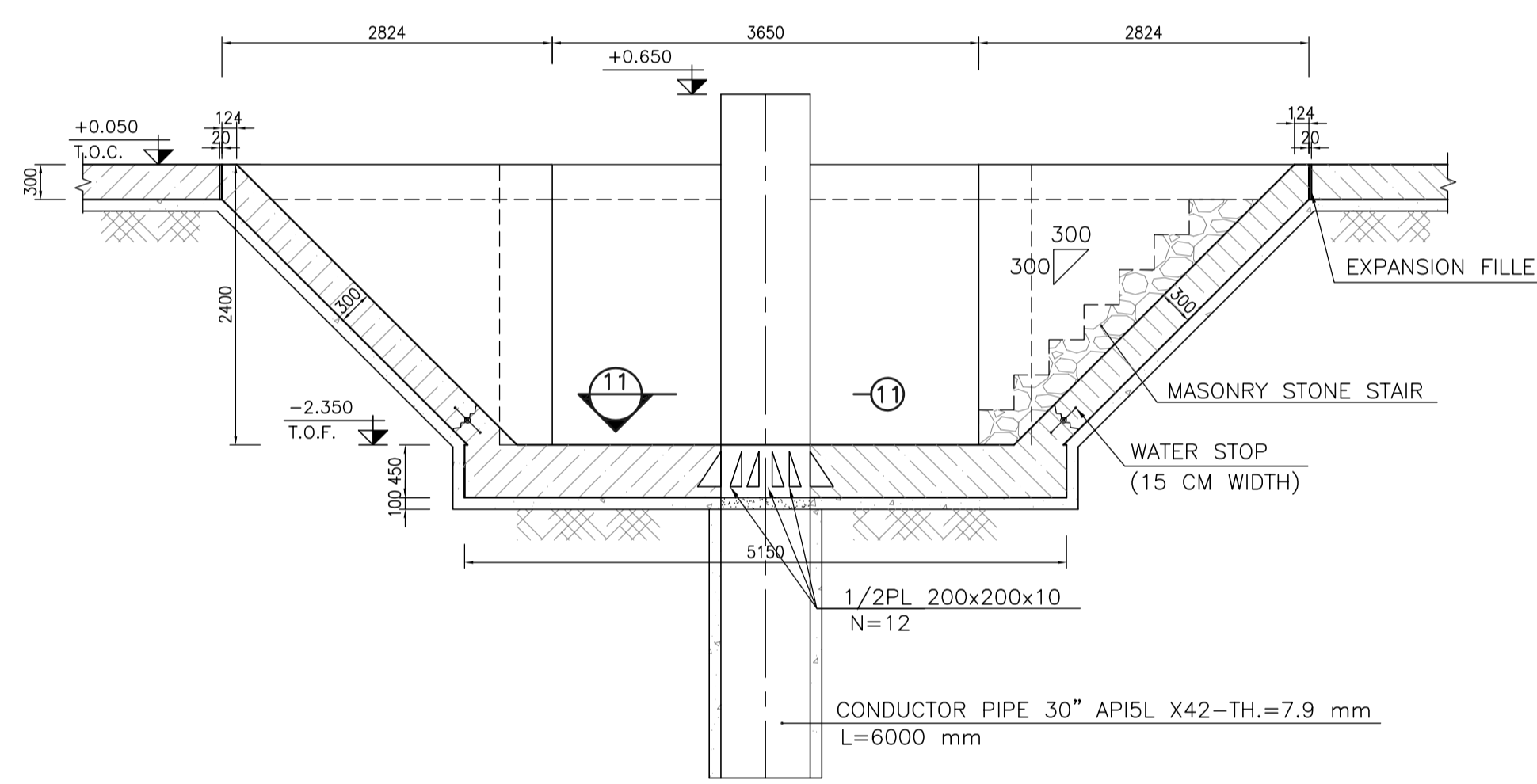
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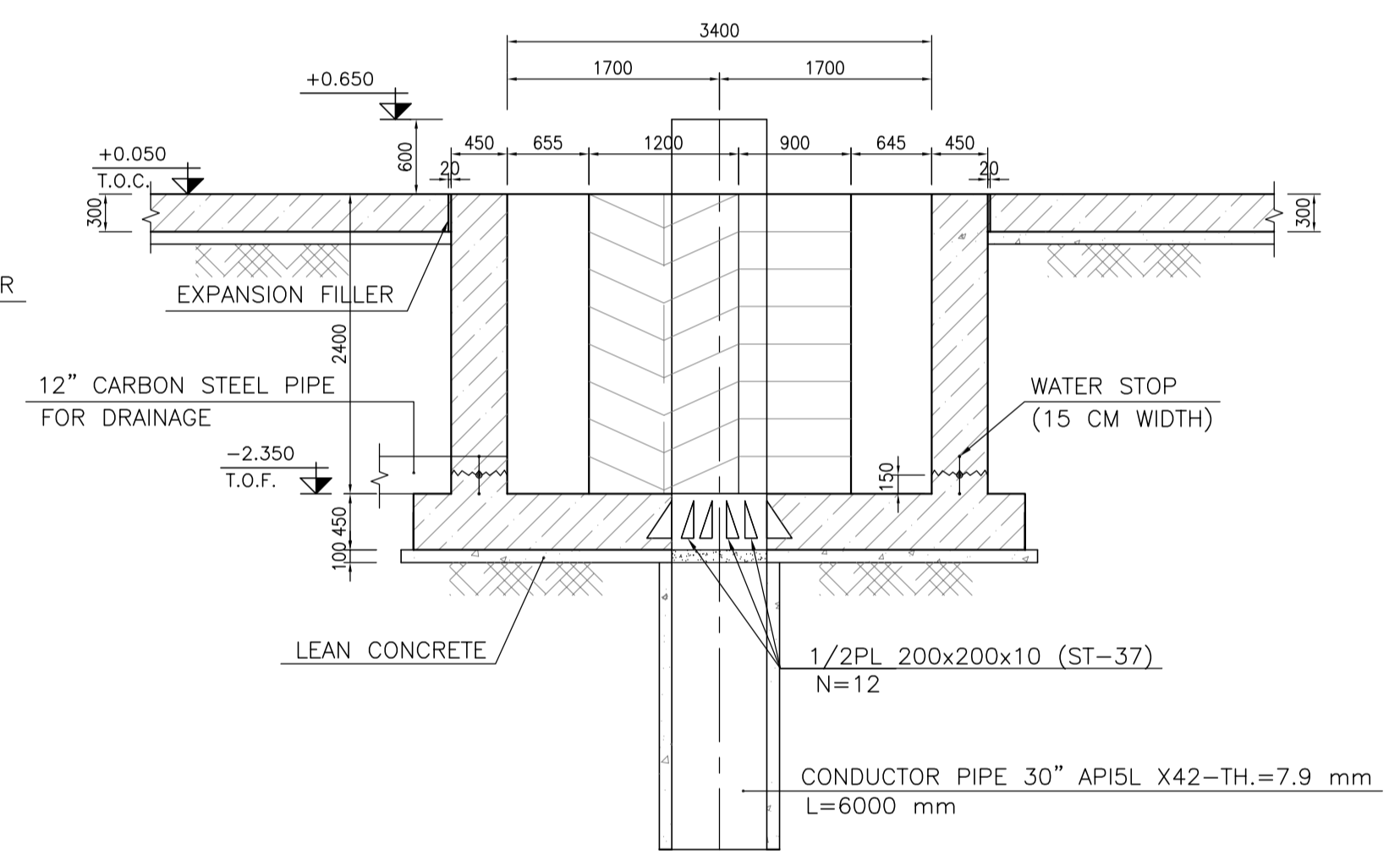
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CELLAR PIT FORMWORK PLAN
1:50



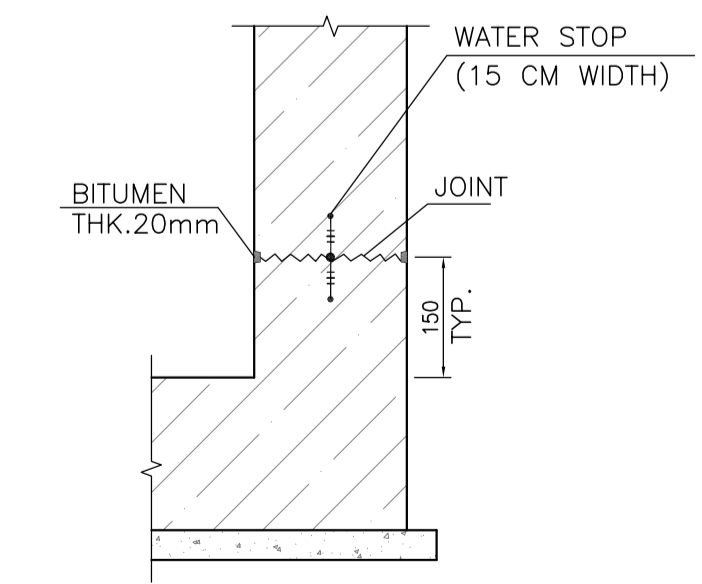
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FORMWORK



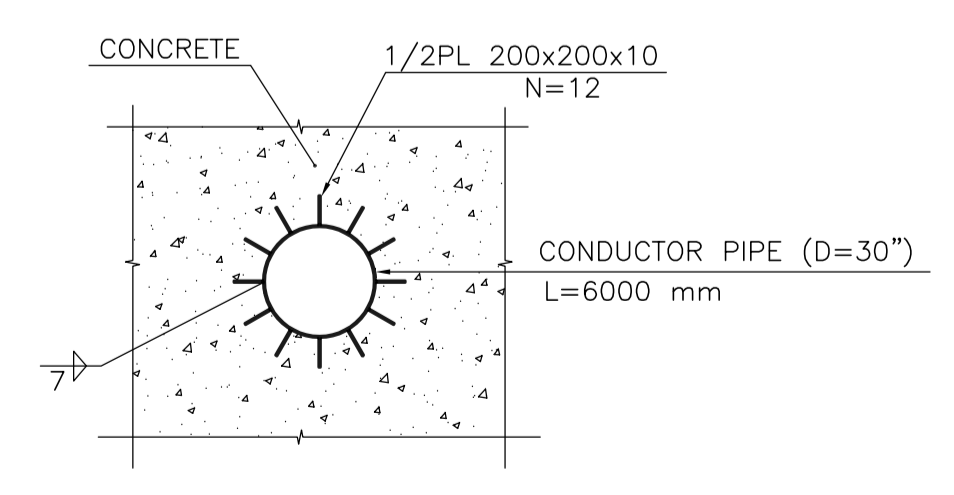
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FORMWORK



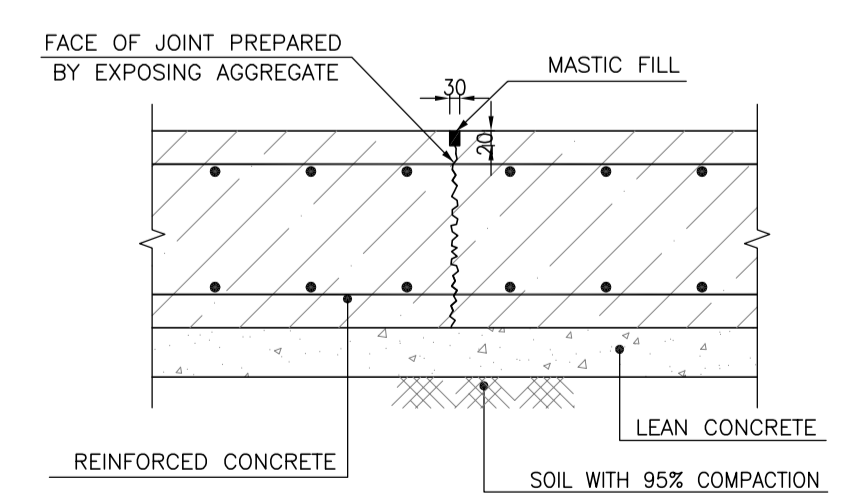
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FORMWORK



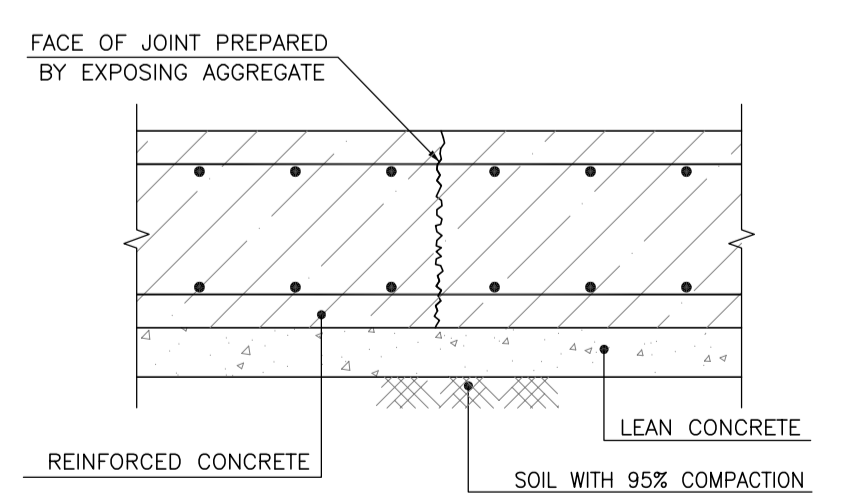
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TYPICAL DETAIL OF WATER STOP
N.T.S.



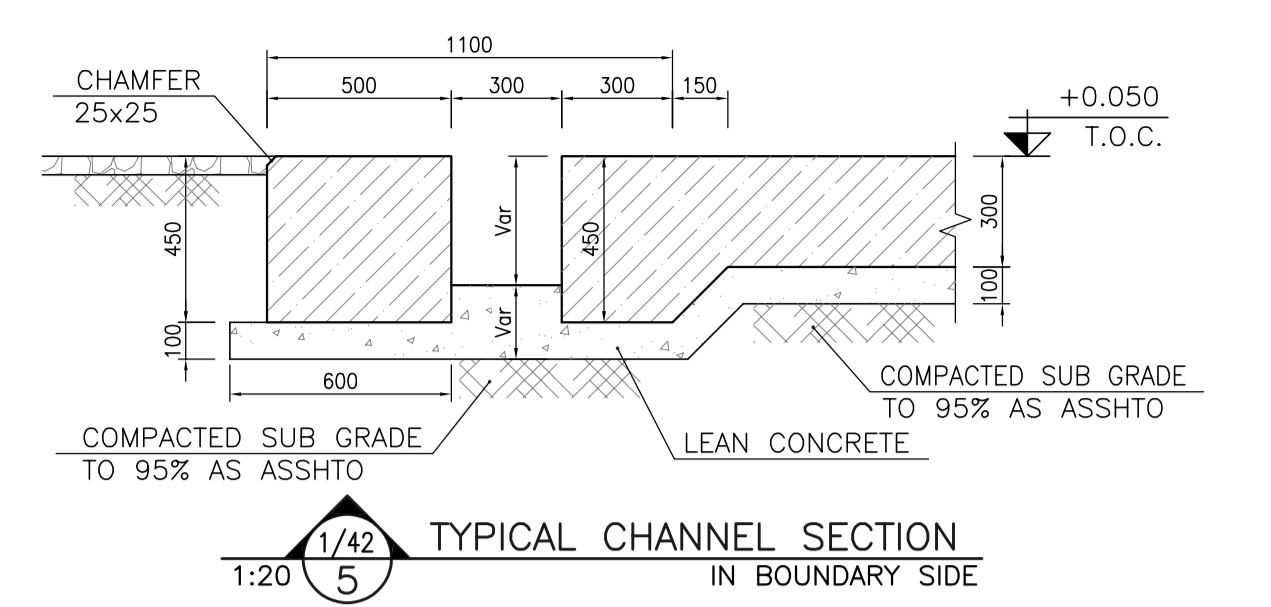
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11
TYPICAL CONTRACTION JOINT
EVERY 6000



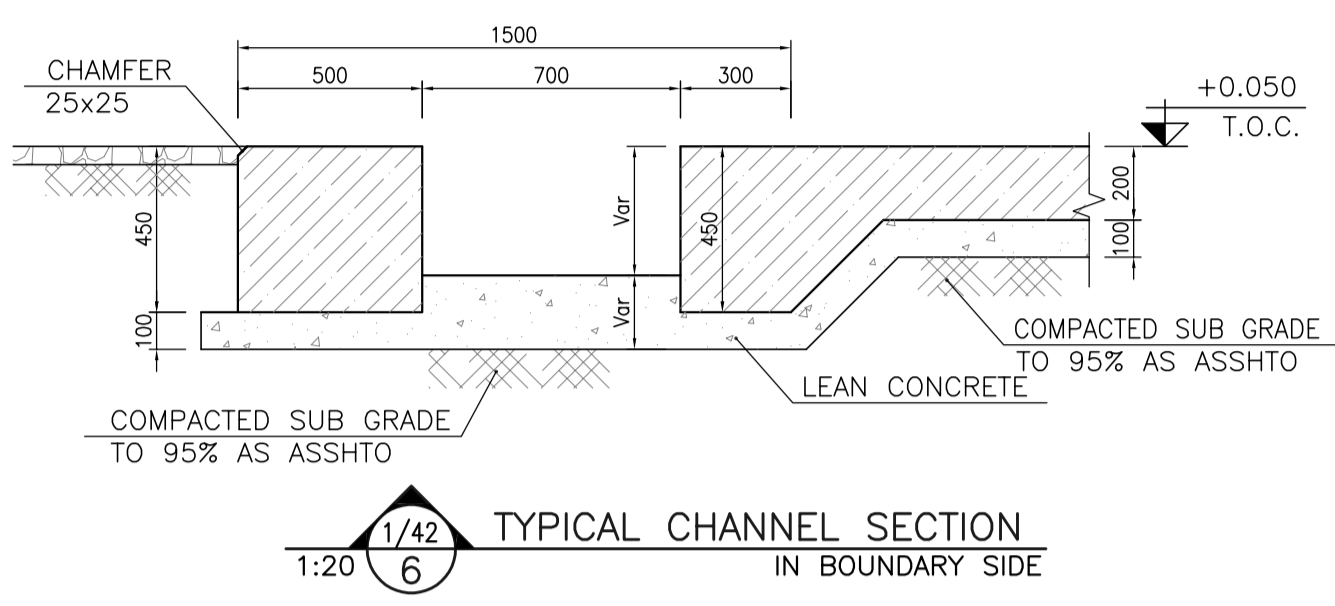
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TYPICAL CONTRACTION JOINT
EVERY 6000
N.T.S.



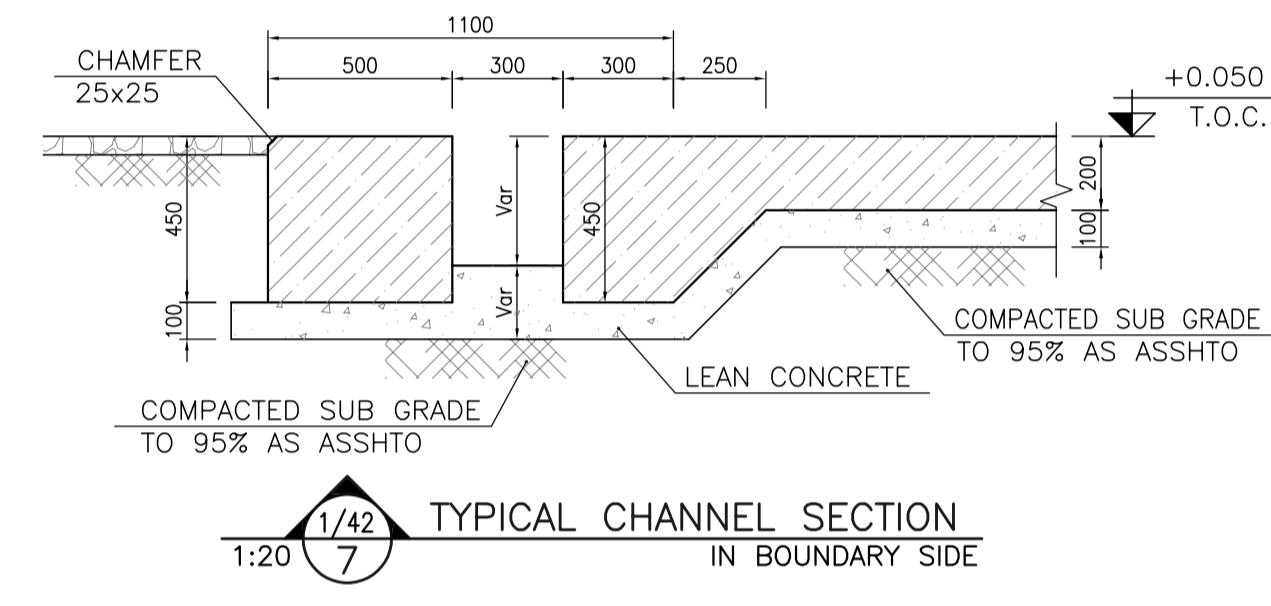
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TYPICAL CONSTRUCTION JOINT
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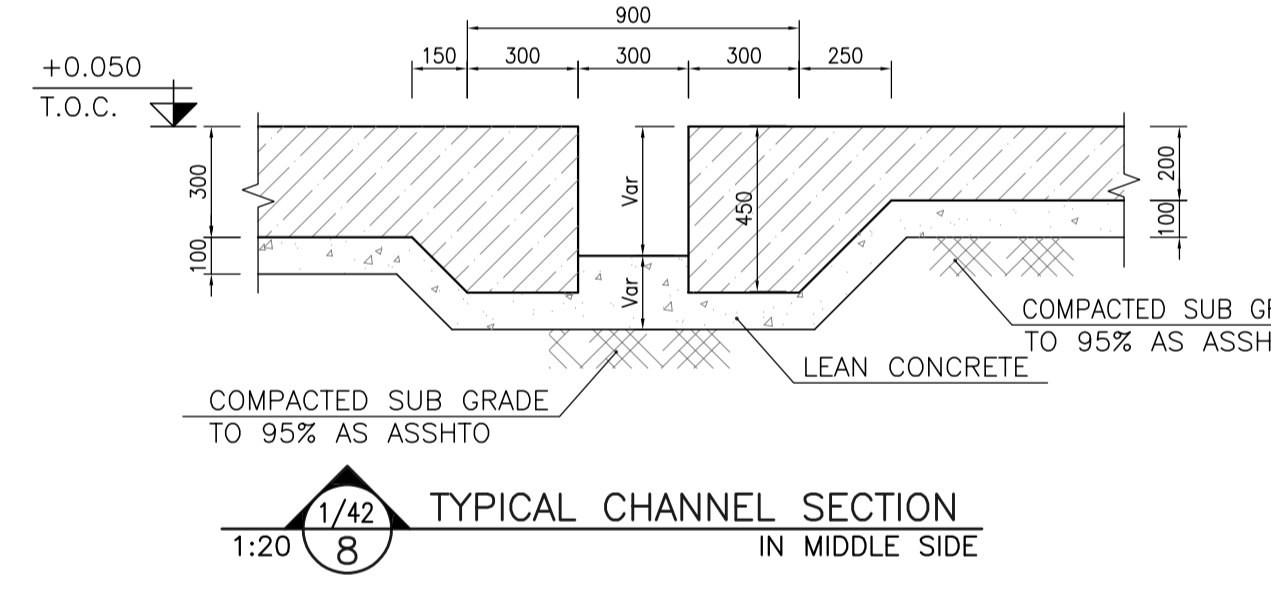
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TYPICAL CHANNEL SECTION
IN BOUNDARY SIDE
1:20



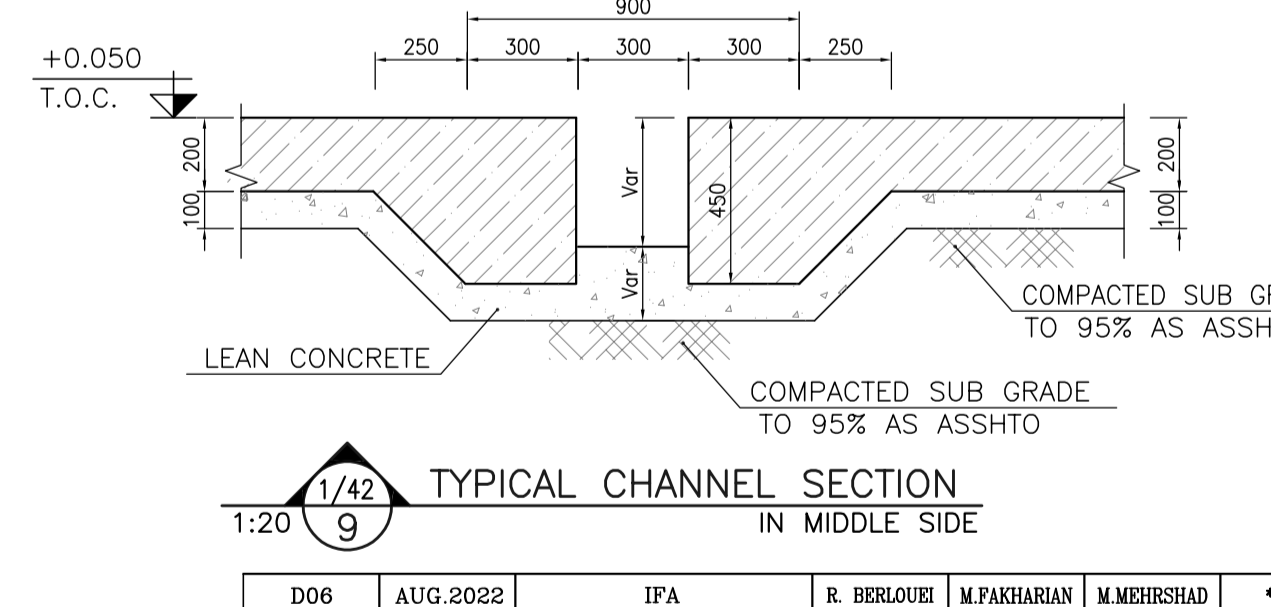
1/42
6
TYPICAL CHANNEL SECTION
IN BOUNDARY SIDE
1:20



1/42
7
TYPICAL CHANNEL SECTION
IN BOUNDARY SIDE
1:20



1/42
8
TYPICAL CHANNEL SECTION
IN MIDDLE SIDE
1:20



1/42
9
TYPICAL CHANNEL SECTION
IN MIDDLE SIDE
1:20

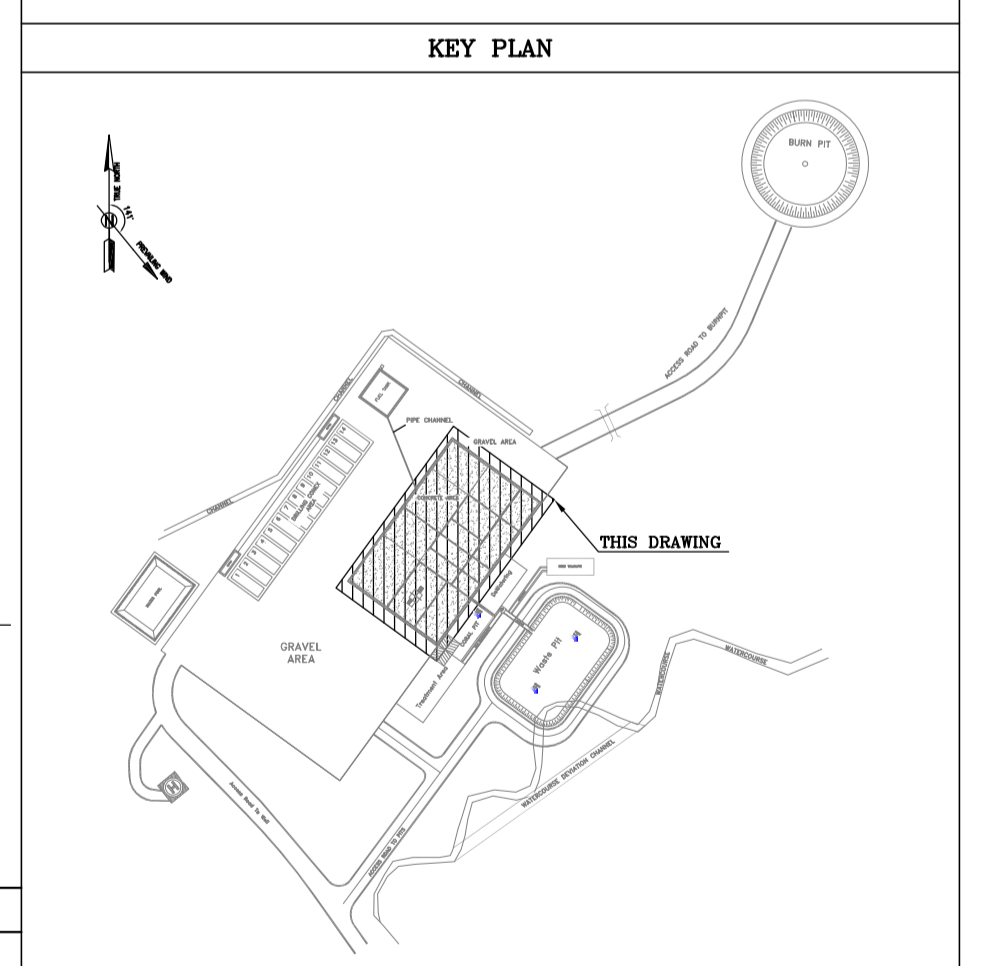
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
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| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
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| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
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| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S WELLPAD AND RIG FOUNDATION DETAILS & SECTIONS

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 02 OF 42 | D06 |

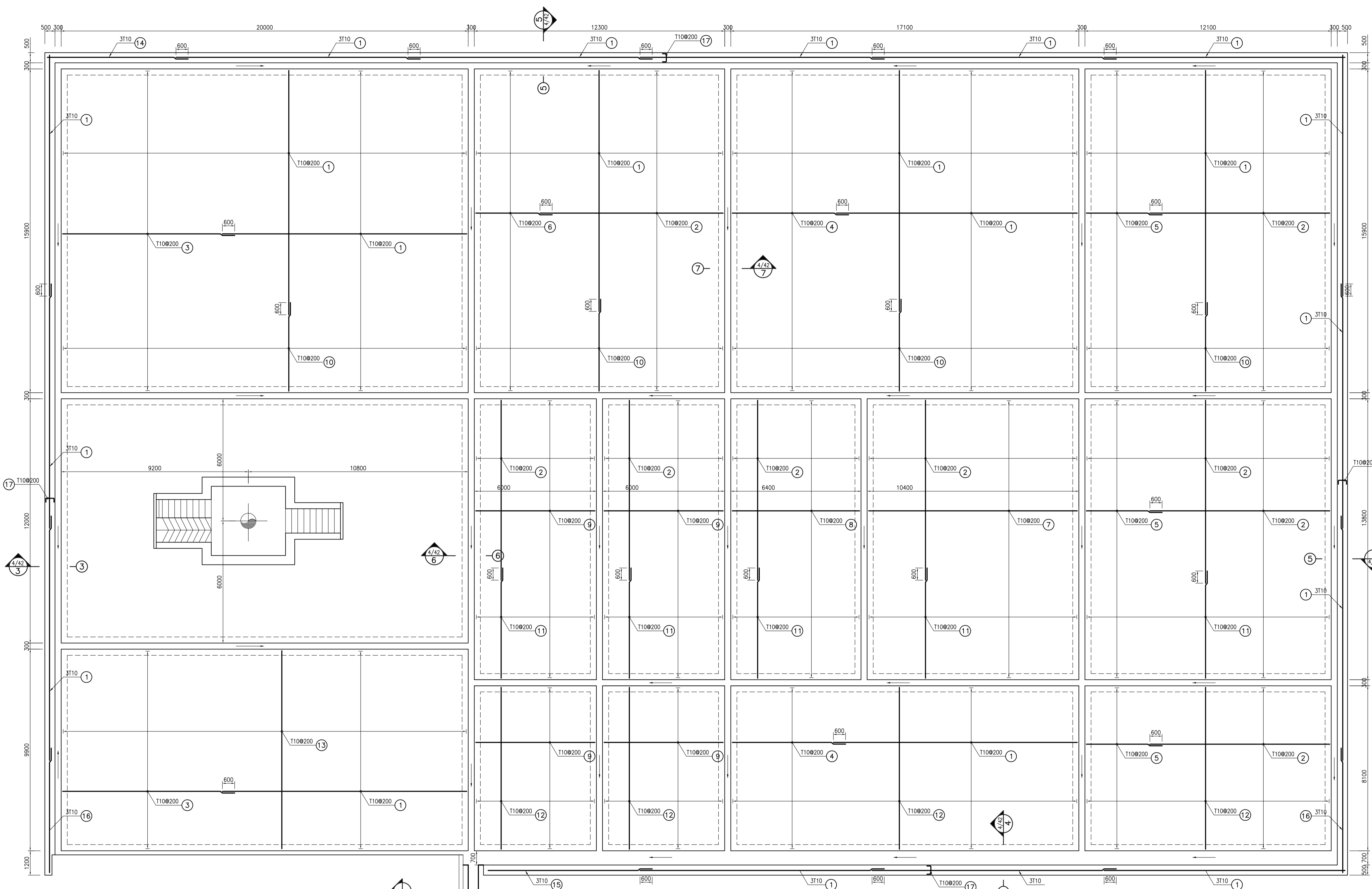
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| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 2 | D06 |



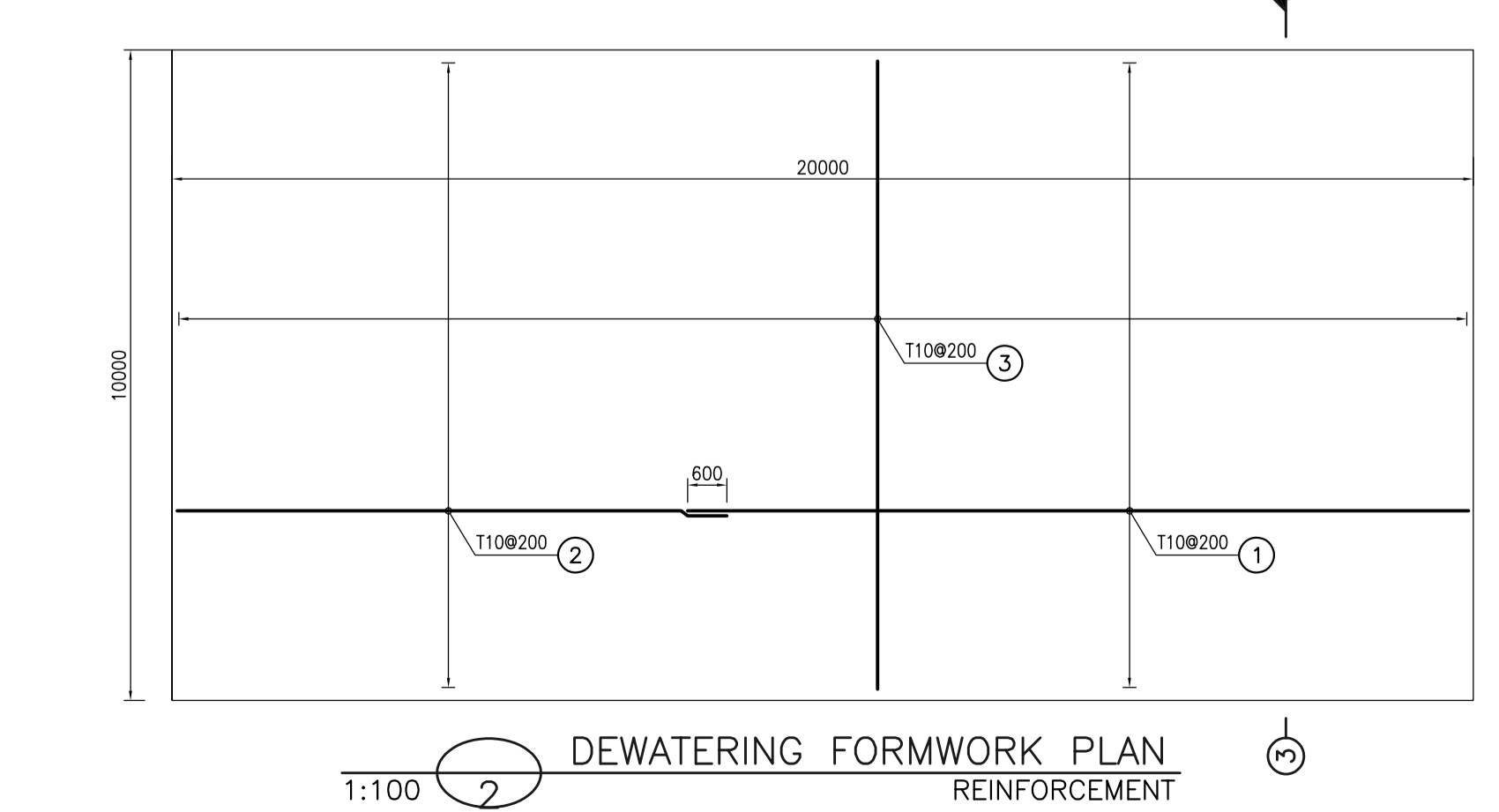
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VERTICAL DATUM: MSL

LEGEND AND ABBREVIATION

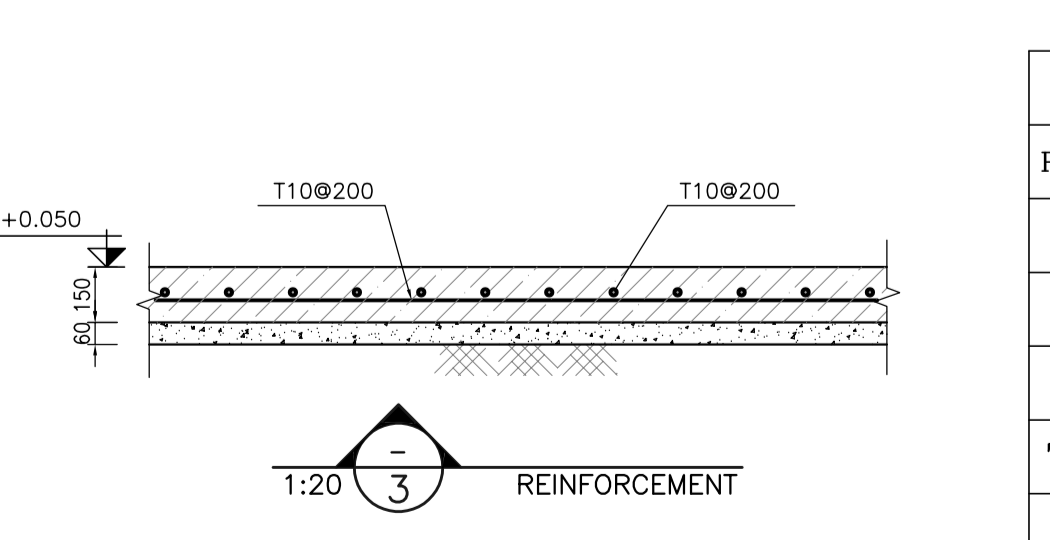
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| REFERENCE DRAWING | DRG. No. |
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| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



WELLPAD FOUNDATION PLAN
REINFORCEMENT
1:100



BAR BENDING SCHEDULE - DEWATERING

| Pos | Spec. | Shape | L/A | No. | T10 |
|--|-------|-------|-------|-----|---------|
| 1 | T10 | 12000 | 12.00 | 49 | 588.0 |
| 2 | T10 | 8450 | 8.45 | 49 | 414.1 |
| 3 | T10 | 9650 | 9.65 | 100 | 965 |
| TOTAL LENGTH OR AREA (m/m ²) | | | | | 1967.1 |
| UNIT WEIGTH (Kg) | | | | | 0.617 |
| WEIGTH (Kg) | | | | | 1213.70 |
| GRAND TOTAL (Kg) | | | | | 1214 |

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|------------|------|
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PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S WELLPAD FOUNDATION REINFORCEMENT PLAN

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 03 OF 42 | D06 |

| REV. | DESCRIPTION | BY | DATE | BY | DATE |
|------|-------------|-----|-------|-----|-------|
| *** | ***** | *** | ***** | *** | ***** |

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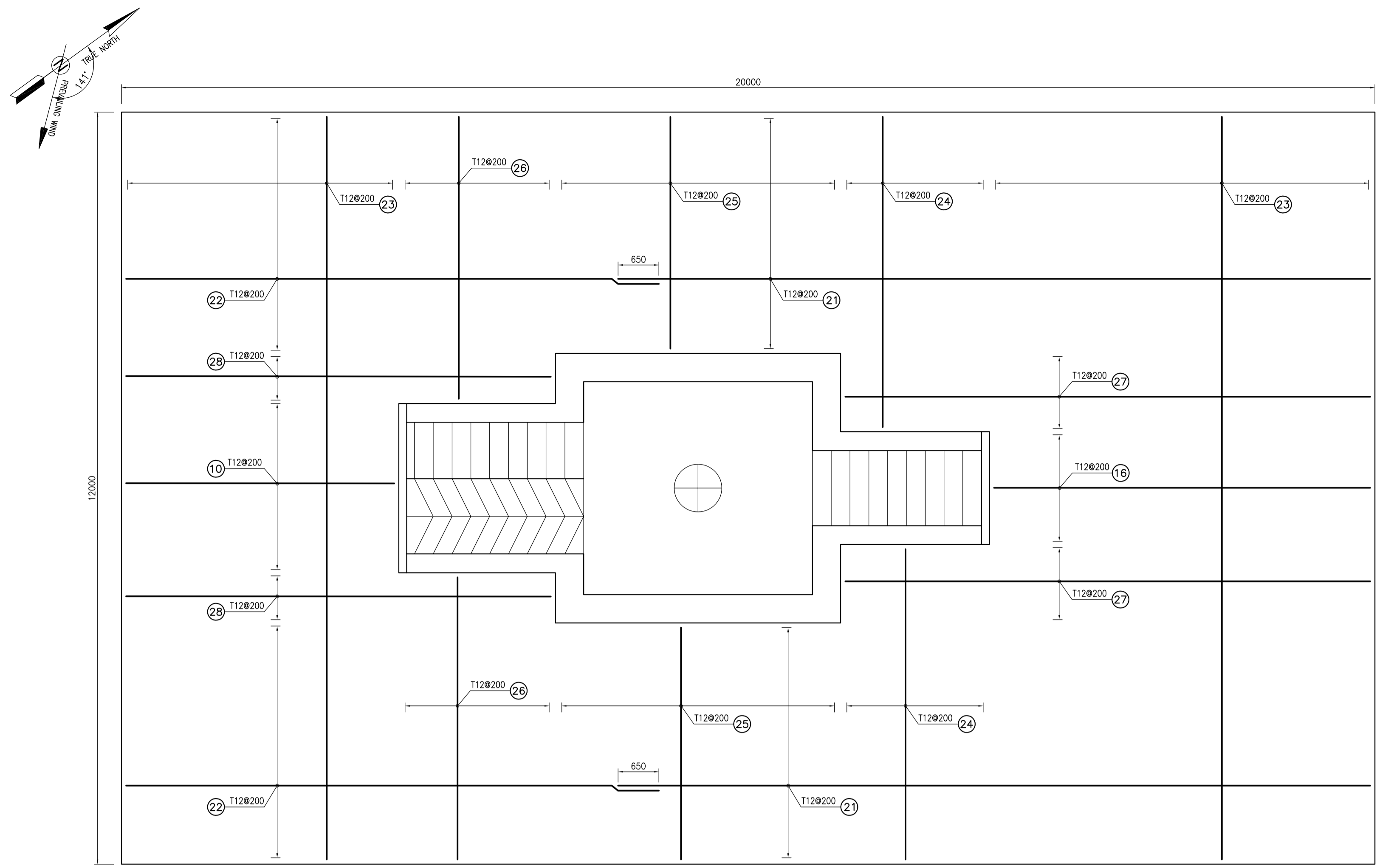
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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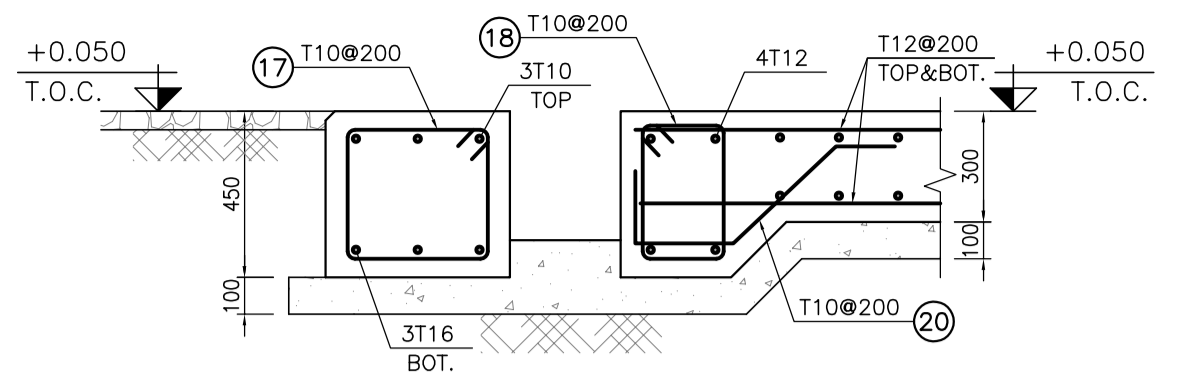
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

| APPROVED FOR CONSTRUCTION | BY: | DATE: |
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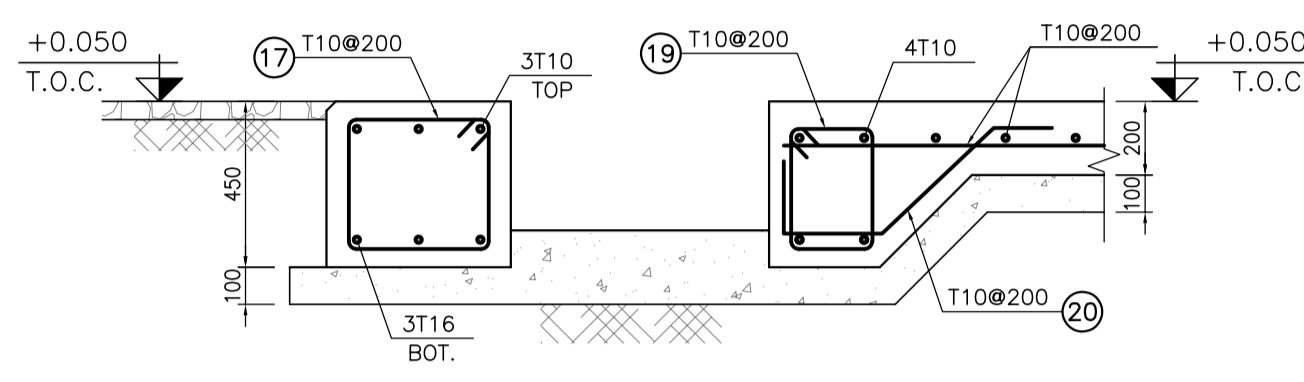
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| 053-073-9184 | F | 4 | S | 707548 | 3 | D06 |



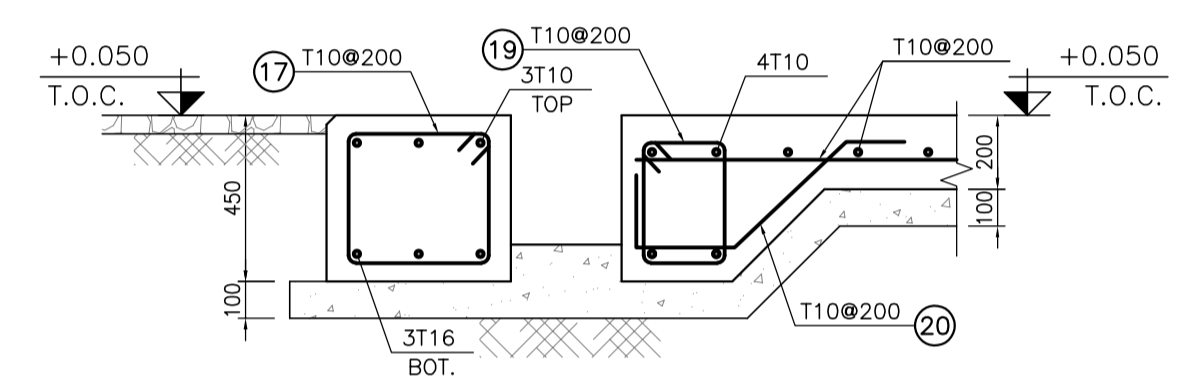
1:50 (1) RIG FOUNDATION REINFORCEMENT PLAN TOP & BOTTOM



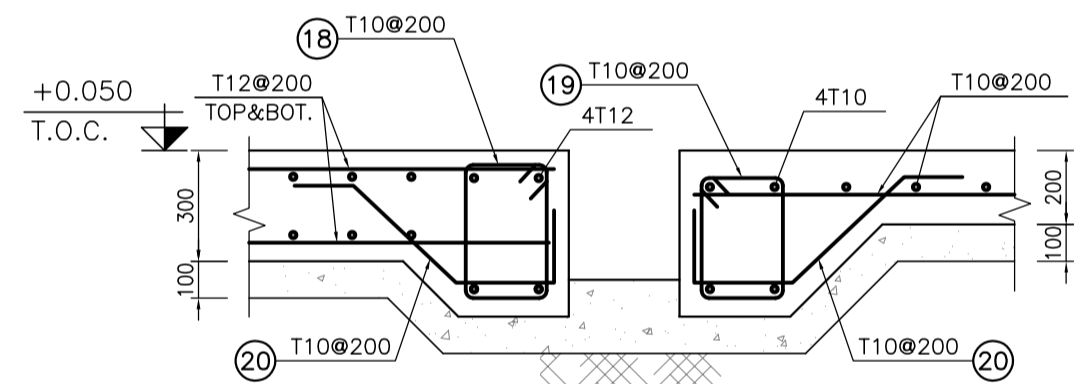
1:20 (3/42) 3 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



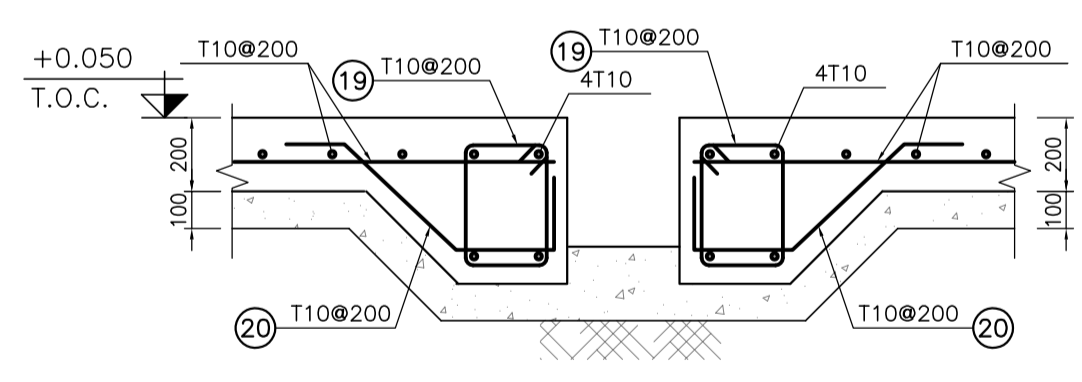
1:20 (3/42) 4 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



1:20 (3/42) 5 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE



1:20 (3/42) 6 TYPICAL CHANNEL SECTION IN MIDDLE SIDE



1:20 (3/42) 7 TYPICAL CHANNEL SECTION IN MIDDLE SIDE

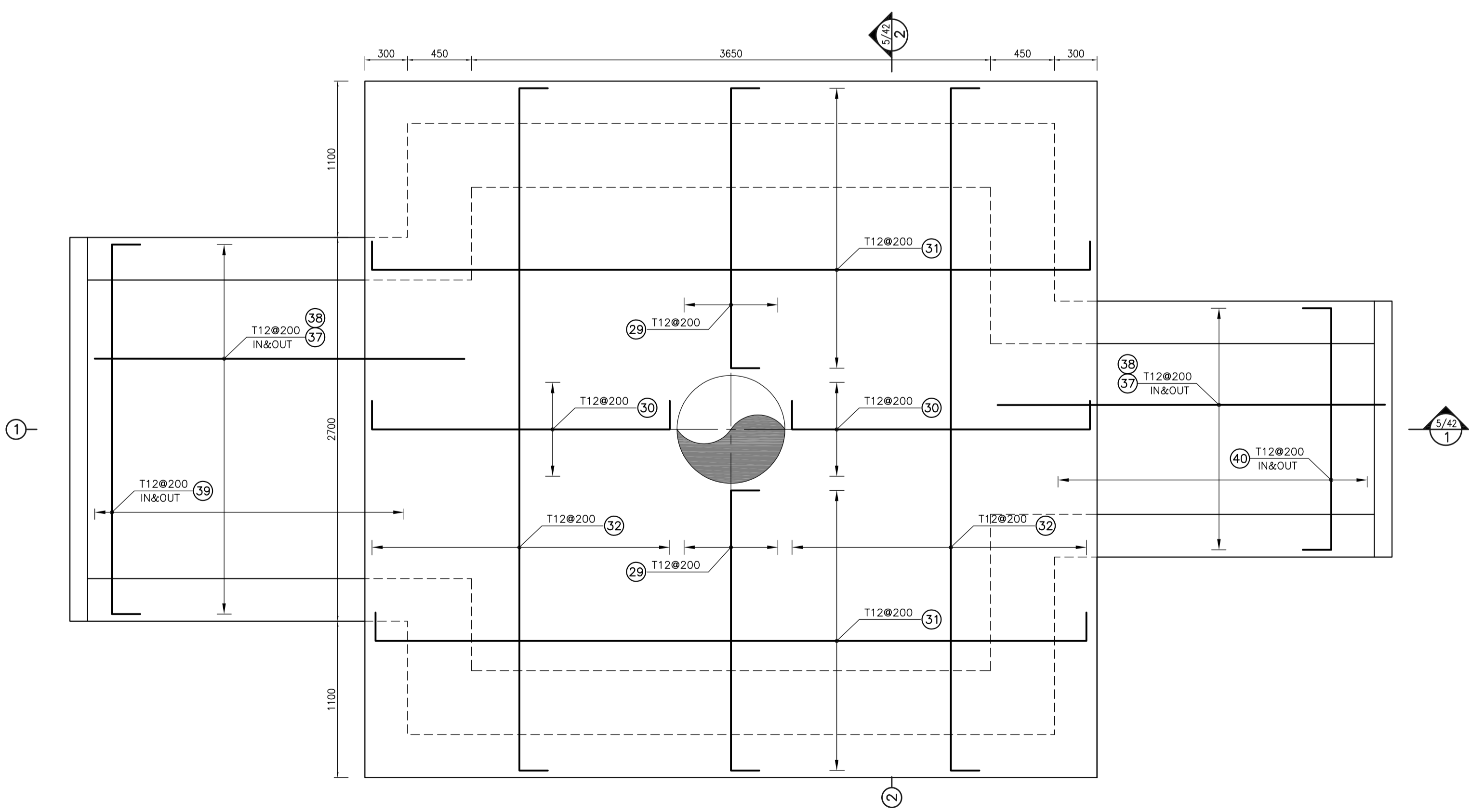
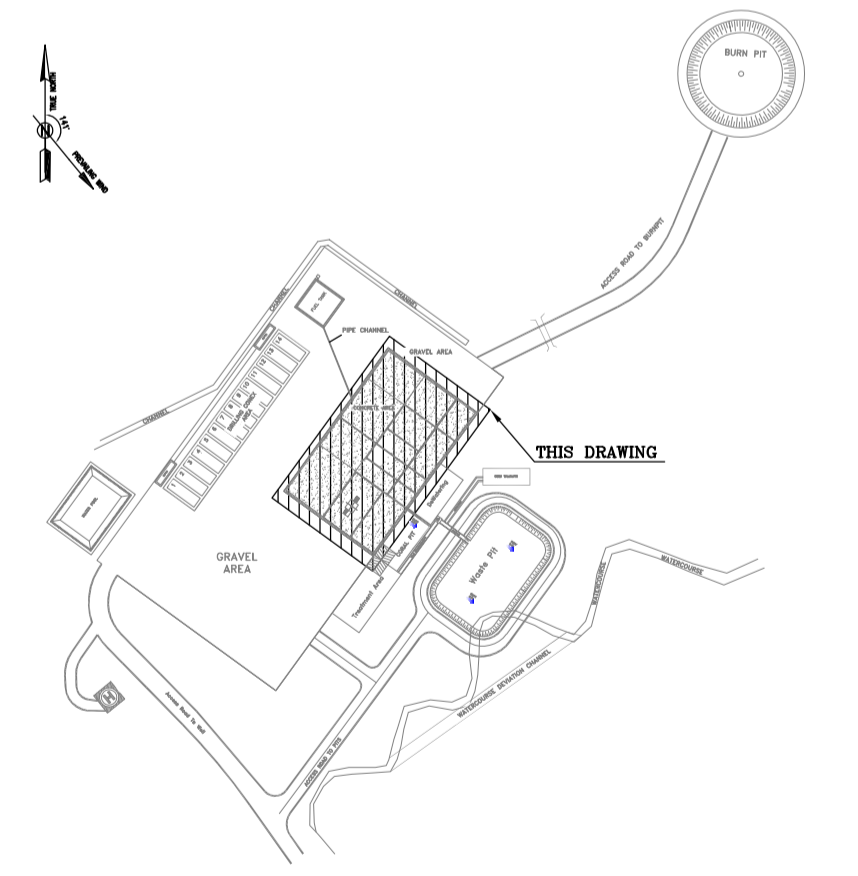
- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001" 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001" 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- 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: MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |

KEY PLAN



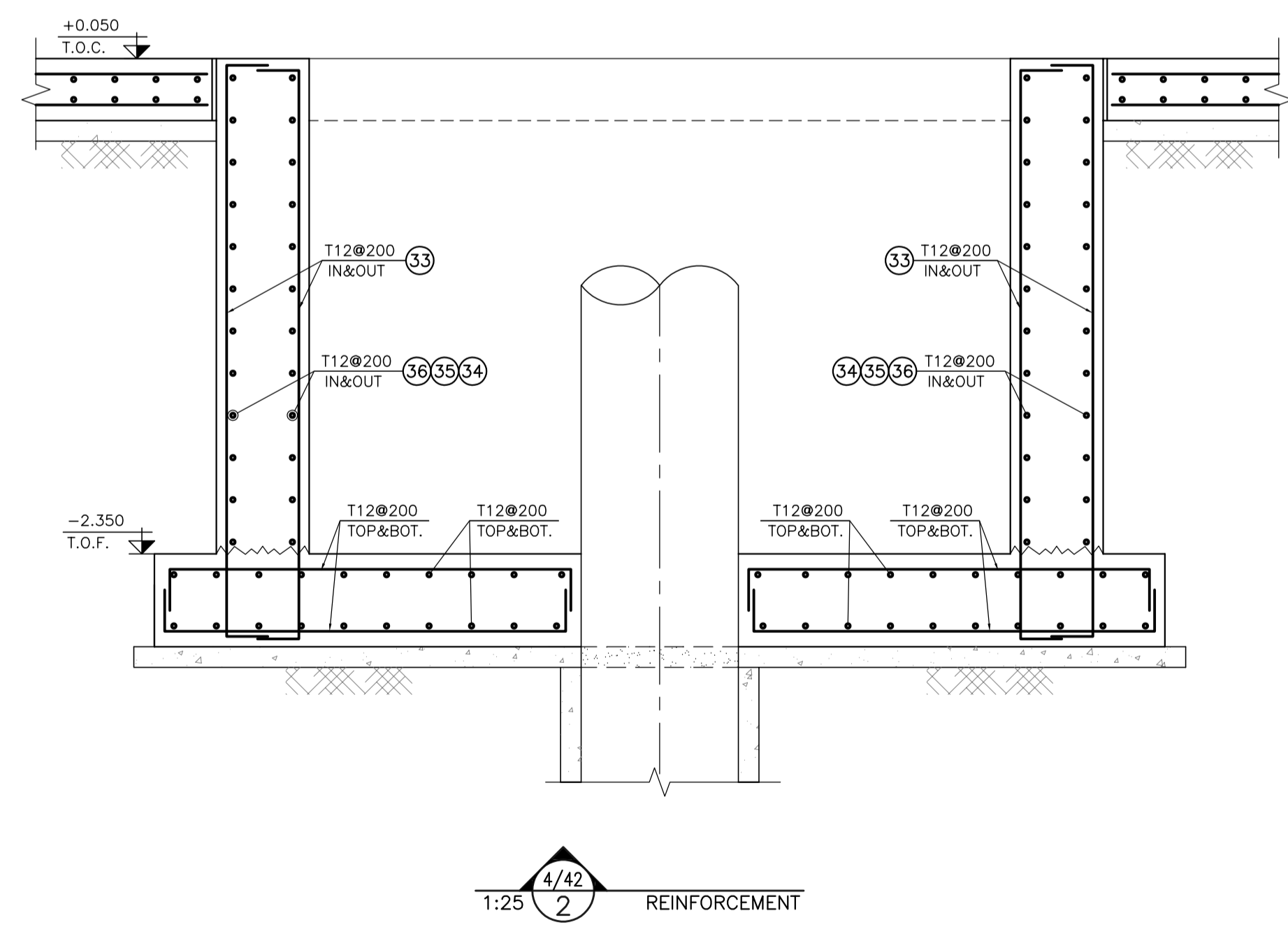
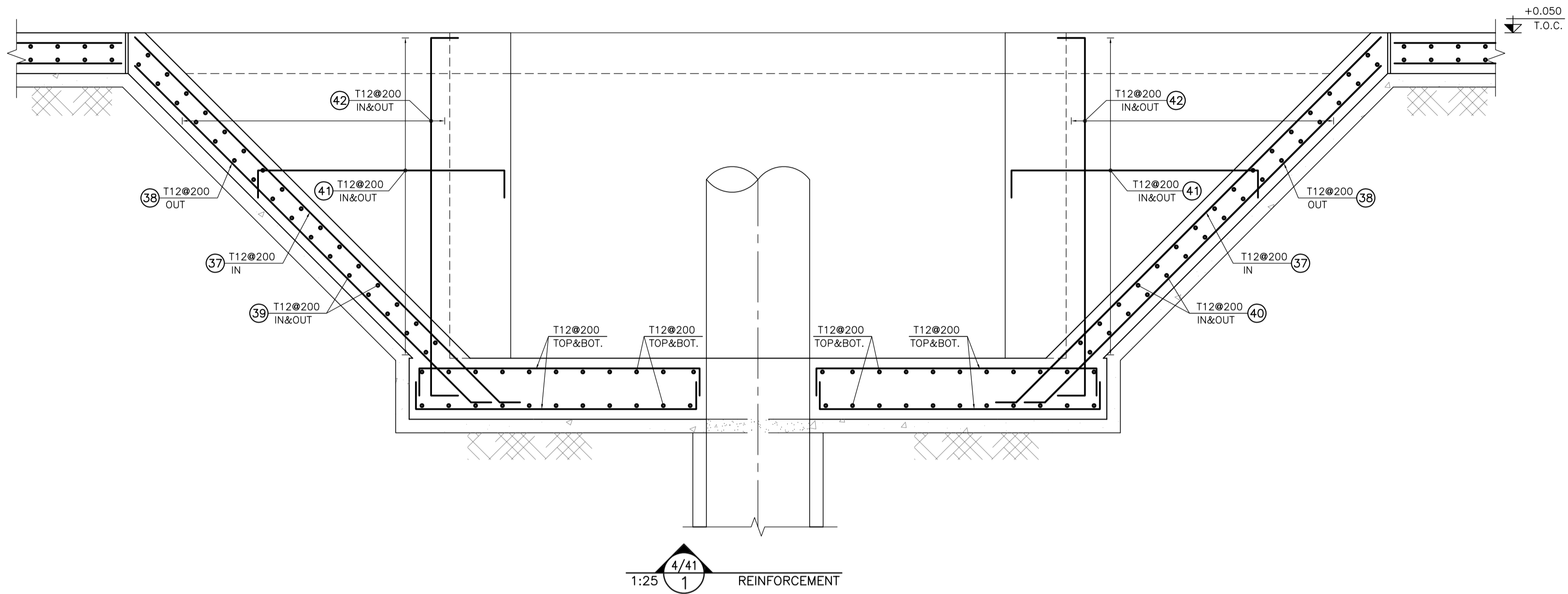
1:25 (2) CELLAR PIT FOUNDATION REINFORCEMENT PLAN TOP & BOTTOM

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

| | | | | | | |
|---|------|------------------------------|--|------|--------------|----------|
| PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES | | | | | | |
| PROJECT NO.: 971020 | | | | | | |
| EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES | | | EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY | | | |
| DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S RIG AND CELLAR FOUNDATION REINFORCEMENT-SECTIONS | | | | | | |
| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. | BUDGET REF. | LOCATION |
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 04 OF 42 | D06 | 053-073-9184 | F |

| | | | | | | |
|---|-------|------------|------------|--------------|-------|--|
| NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED | | | | | | |
| APPROVED FOR CONSTRUCTION | | | BY: | | DATE: | |
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. | | |
| | | | | | | |
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. | | |
| | | | | | | |
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. | | |
| | | | | | | |

| BAR BENDING SCHEDULE - WELLPAD & CELLAR | | | | | | |
|--|-------|------------------|-------|------|----------|---------|
| Pos | Spec. | Shape | L/A | No. | T10 | T112 |
| 1 | T10 | 12000 | 12.00 | 637 | 7644.00 | |
| 2 | T10 | 9000 | 9.00 | 478 | 4302.00 | |
| 3 | T10 | 8450 | 8.45 | 130 | 1098.50 | |
| 4 | T10 | 5550 | 5.55 | 121 | 671.55 | |
| 5 | T10 | 3550 | 3.55 | 191 | 670.05 | |
| 6 | T10 | 3750 | 3.75 | 80 | 300.00 | |
| 7 | T10 | 10250 | 10.25 | 70 | 717.50 | |
| 8 | T10 | 6250 | 6.25 | 70 | 737.50 | |
| 9 | T10 | 5850 | 5.85 | 222 | 1298.70 | |
| 10 | T10 | 4350 | 4.35 | 336 | 1461.6 | |
| 11 | T10 | 5250 | 5.25 | 206 | 1081.50 | |
| 12 | T10 | 7950 | 7.95 | 206 | 1637.70 | |
| 13 | T10 | 9750 | 9.75 | 100 | 975.00 | |
| 14 | T10 | 6850 | 6.85 | 6 | 41.10 | |
| 15 | T10 | 8100 | 8.10 | 6 | 48.60 | |
| 16 | T10 | 6000 | 6.00 | 32 | 192.00 | |
| 17 | T10 | 300 350 100 | 1.50 | 925 | 1387.50 | |
| 18 | T10 | 300 150 100 | 1.10 | 320 | 352.00 | |
| 19 | T10 | 250 150 100 | 1.00 | 1950 | 1950.00 | |
| 20 | T10 | 150 200 400 150 | 0.90 | 3625 | 3262.50 | |
| 21 | T12 | 12000 | 12.00 | 80 | | 960.00 |
| 22 | T12 | 8500 | 8.50 | 80 | | 680.00 |
| 23 | T12 | 11850 | 11.85 | 108 | | 1279.80 |
| 24 | T12 | 4950 | 4.95 | 48 | | 237.60 |
| 25 | T12 | 3700 | 3.70 | 48 | | 177.60 |
| 26 | T12 | 4500 | 4.50 | 48 | | 216.00 |
| 27 | T12 | 8400 | 8.40 | 24 | | 201.60 |
| 28 | T12 | 6800 | 6.80 | 16 | | 108.80 |
| 29 | T12 | 200 1900 200 | 2.30 | 16 | | 36.80 |
| 30 | T12 | 200 2000 200 | 2.40 | 16 | | 38.40 |
| 31 | T12 | 200 5000 200 | 5.40 | 40 | | 216.00 |
| 32 | T12 | 200 4750 200 | 5.15 | 44 | | 226.60 |
| 33 | T12 | 200 2700 200 | 3.10 | 84 | | 260.40 |
| 34 | T12 | 200 4400 200 | 4.80 | 48 | | 230.40 |
| 35 | T12 | 200 1400 200 | 1.80 | 48 | | 86.40 |
| 36 | T12 | 200 950 200 | 1.35 | 48 | | 64.80 |
| 37 | T12 | 200 3800 | 4.00 | 24 | | 96.00 |
| 38 | T12 | 200 3500 | 3.70 | 24 | | 88.80 |
| 39 | T12 | 200 2550 200 | 2.95 | 32 | | 94.40 |
| 40 | T12 | 200 1650 200 | 2.05 | 32 | | 65.60 |
| 41 | T12 | 200 700-2700 200 | Var | 48 | | 100.80 |
| 42 | T12 | 200 300-2300 200 | Var | 56 | | 95.20 |
| TOTAL LENGTH OR AREA (m/m ²) | | | | | 29829.30 | 6251.20 |
| UNIT WEIGTH (Kg) | | | | | 0.617 | 0.888 |
| WEIGTH (Kg) | | | | | 18404.67 | 4939.06 |
| GRAND TOTAL (Kg) | | | | | 23400 | |



| BAR BENDING SCHEDULE - DEWATERING | | | | | | |
|--|-------|-------|-------|-----|---------|--|
| Pos | Spec. | Shape | L/A | No. | T10 | |
| 1 | T10 | 12000 | 12.00 | 50 | 600.0 | |
| 2 | T10 | 8450 | 8.45 | 50 | 422.5 | |
| 3 | T10 | 9850 | 9.85 | 100 | 985.0 | |
| TOTAL LENGTH OR AREA (m/m ²) | | | | | 2007.50 | |
| UNIT WEIGTH (Kg) | | | | | 0.617 | |
| WEIGTH (Kg) | | | | | 1238.7 | |
| GRAND TOTAL (Kg) | | | | | 1240 | |

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S RIG AND CELLAR SECTIONS - LISTOPER

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 05 OF 42 | D06 |

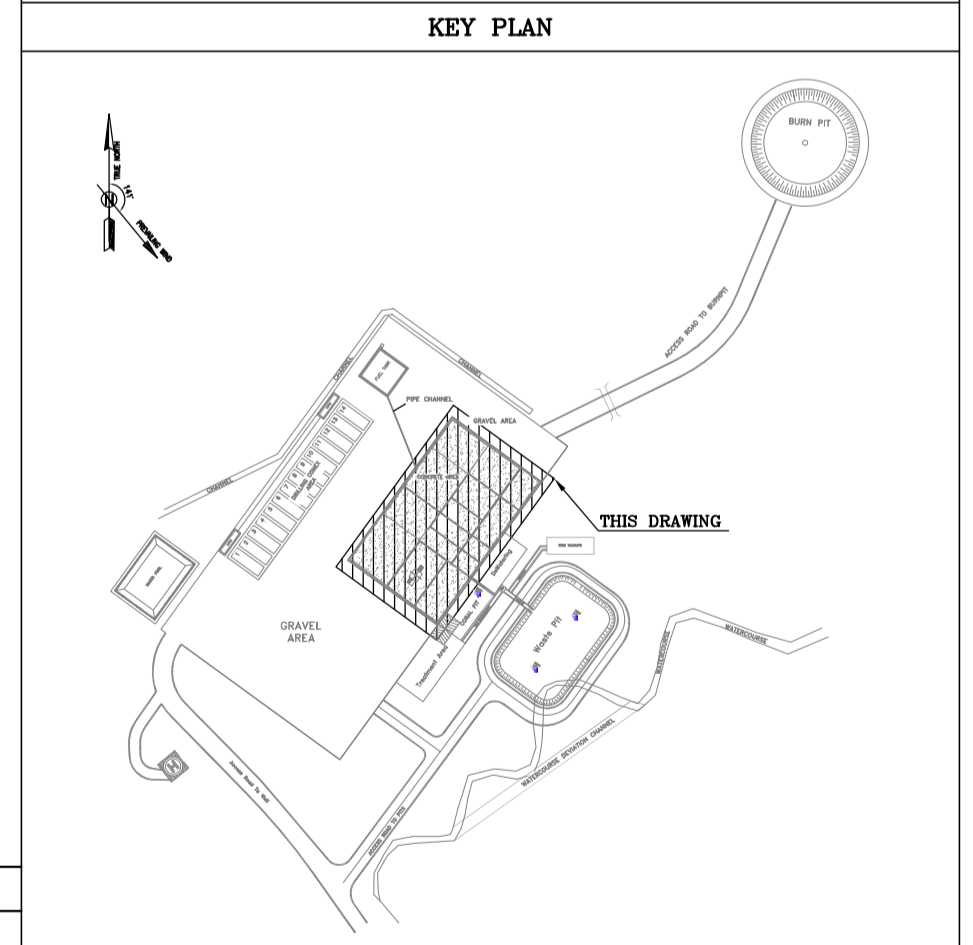
- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
- ±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



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

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

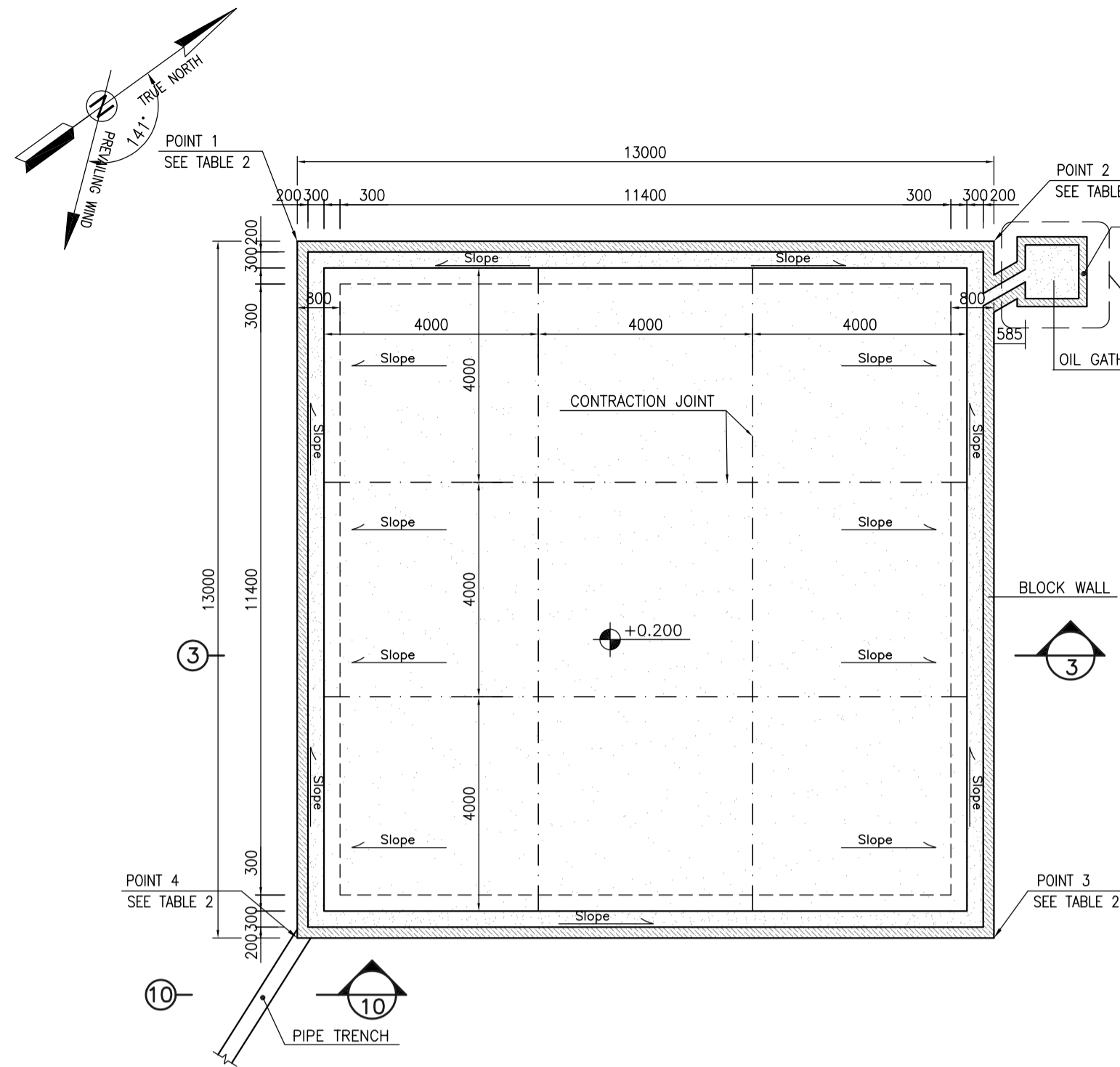
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

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

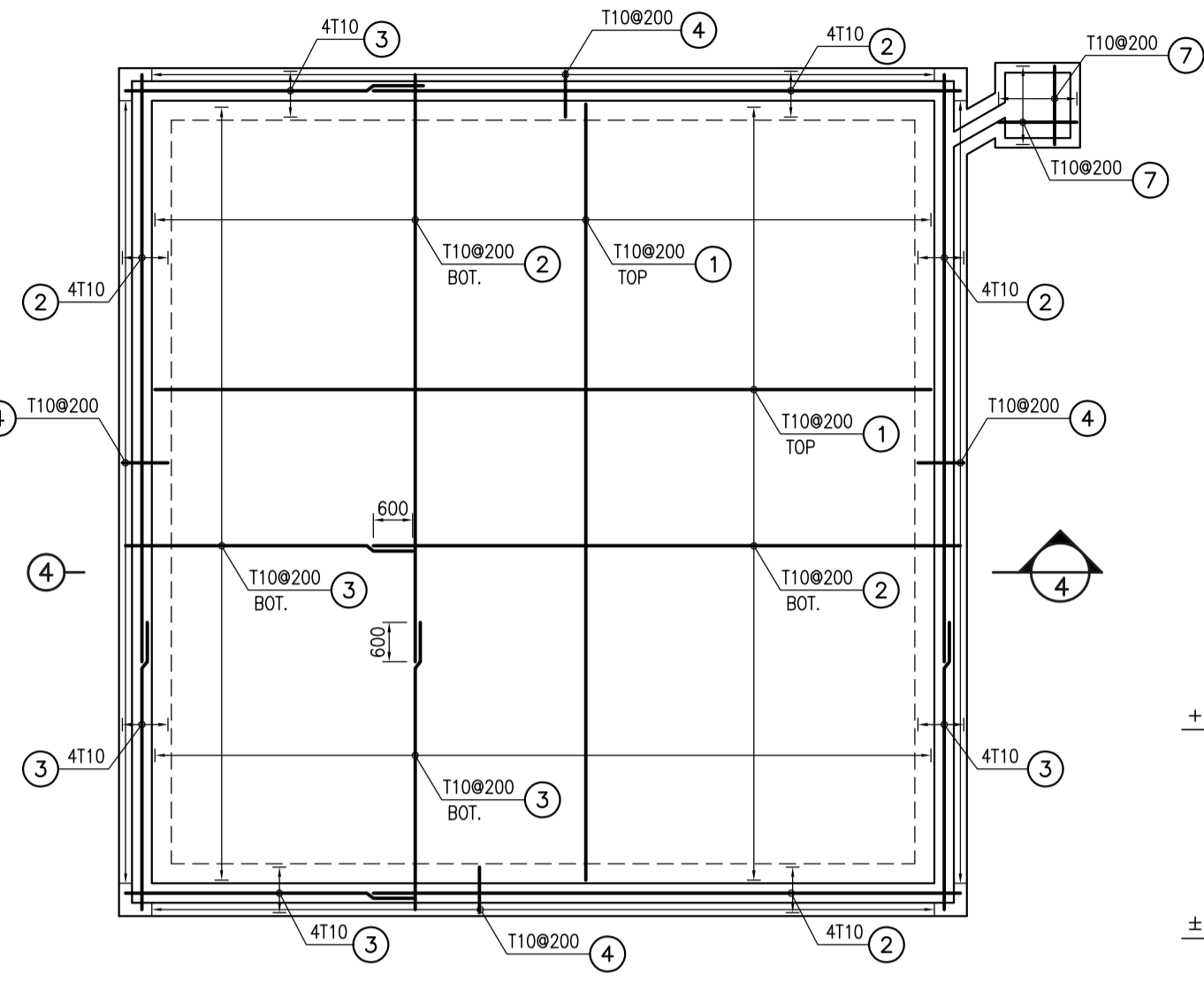
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

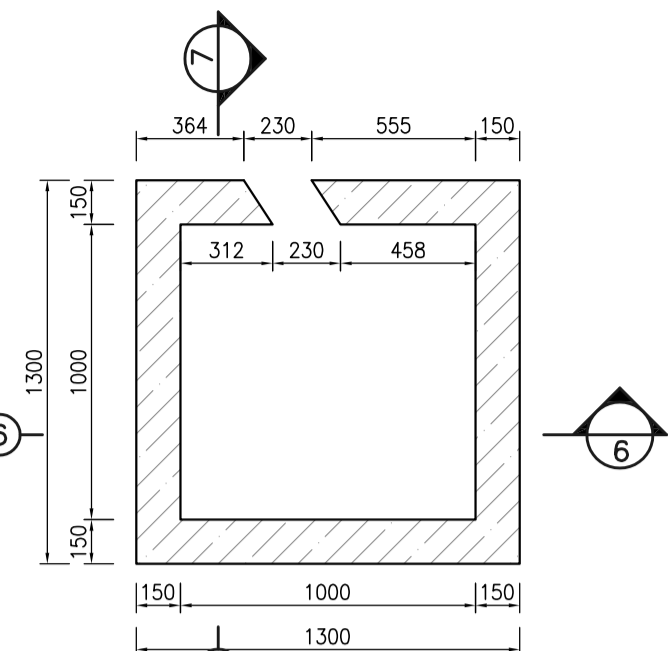
| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 5 | D06 |



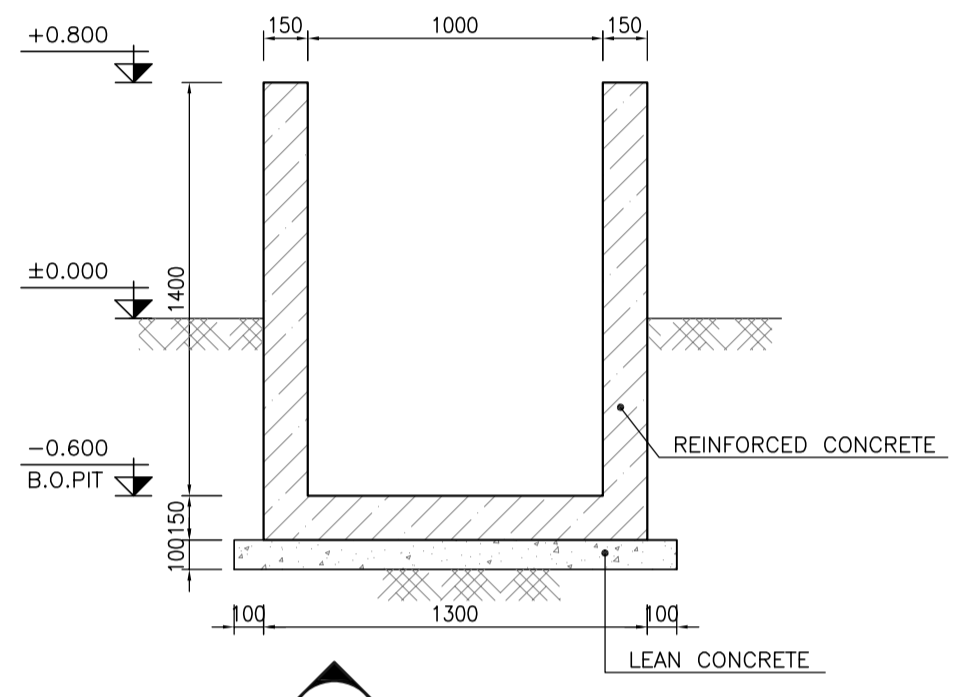
1:100 1 GAS OIL STORAGE FOUNDATION FORMWORK



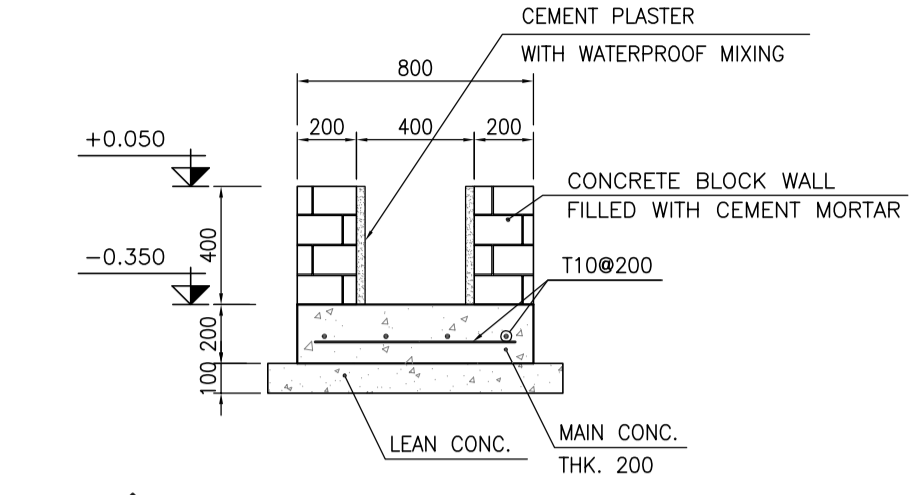
1:100 2 GAS OIL STORAGE FOUNDATION REINFORCEMENT



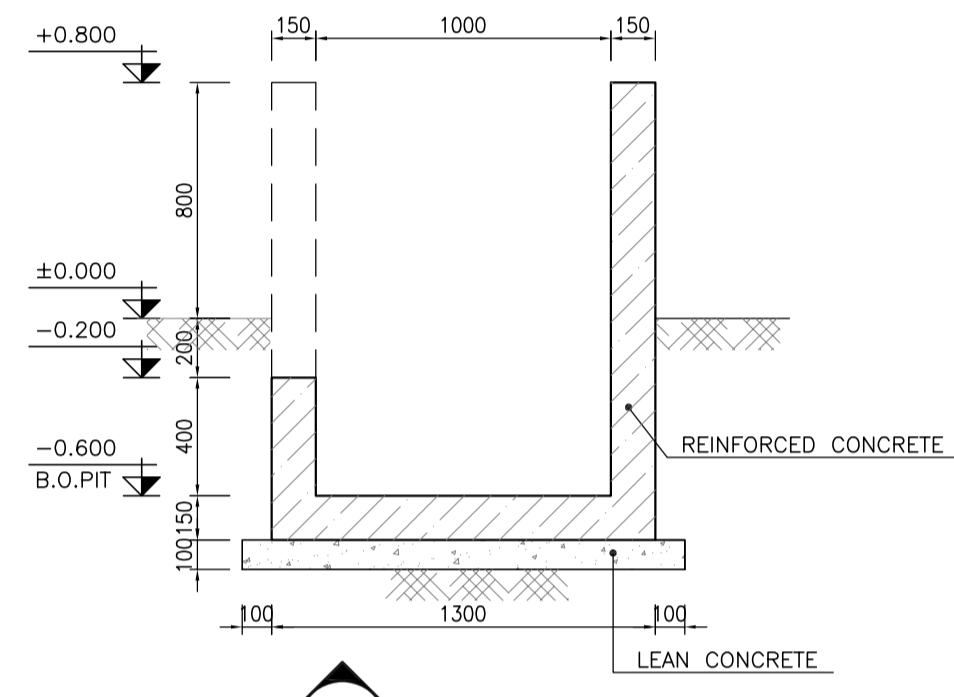
1:25 5 OIL GATHERING PIT



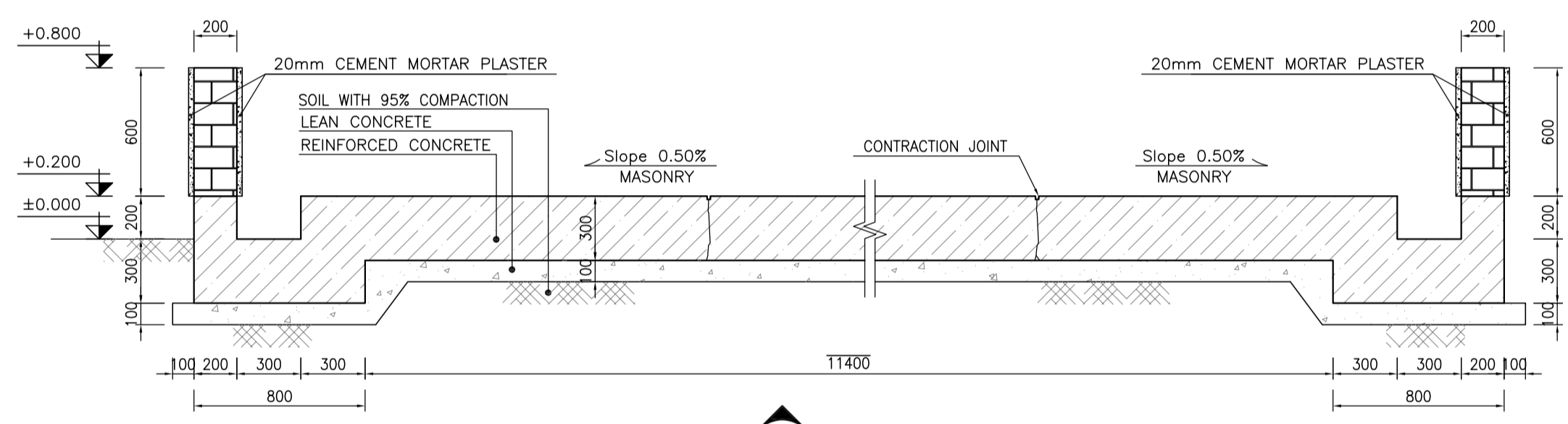
1:25 6 FORMWORK



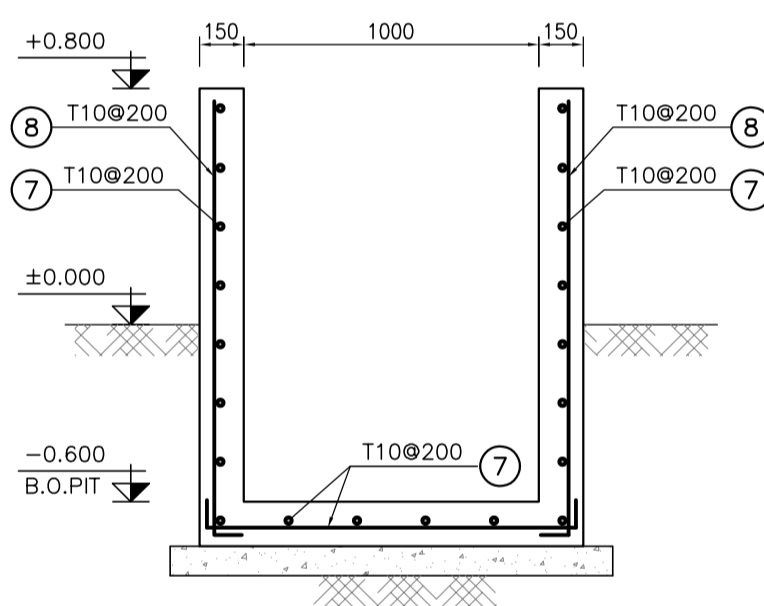
1:25 10 TYPICAL SECTION OF PIPE TRENCH



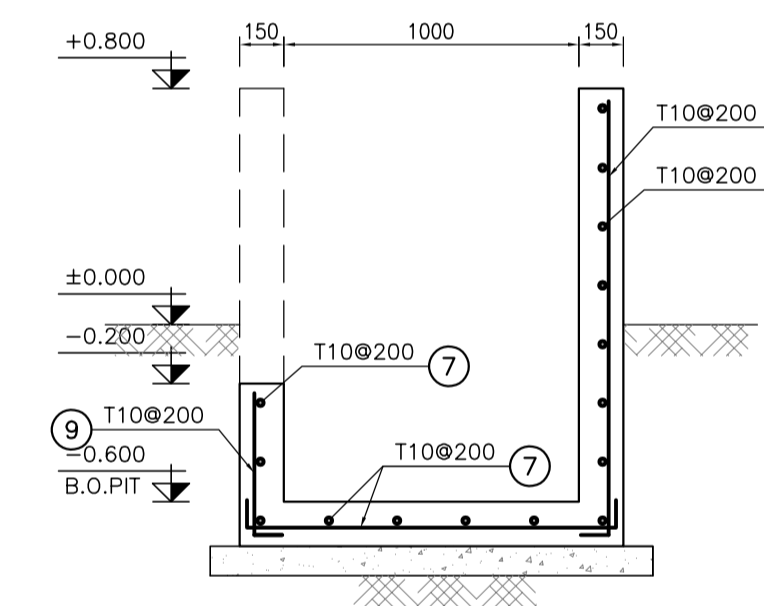
1:25 7 FORMWORK



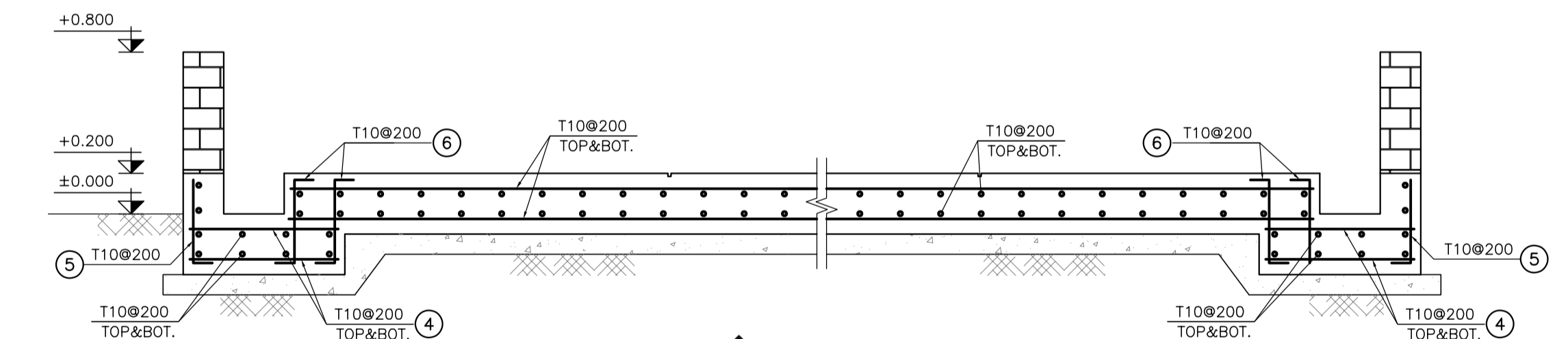
1:25 3 FORMWORK



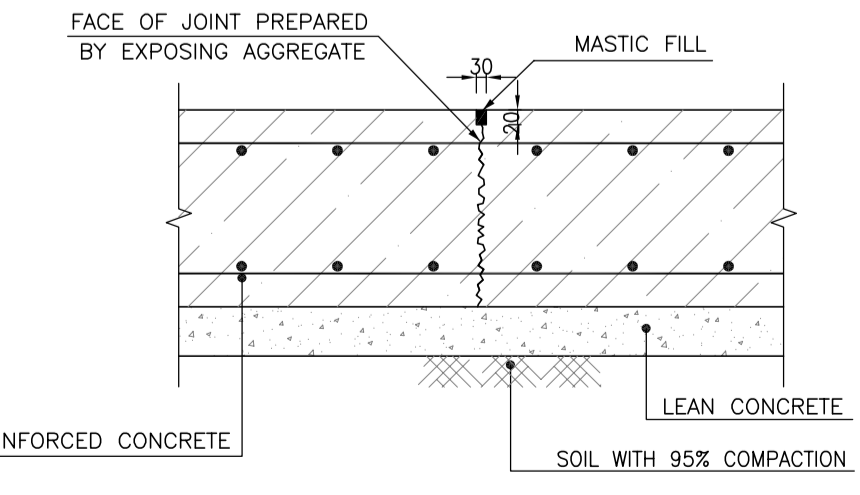
1:25 8 REINFORCEMENT



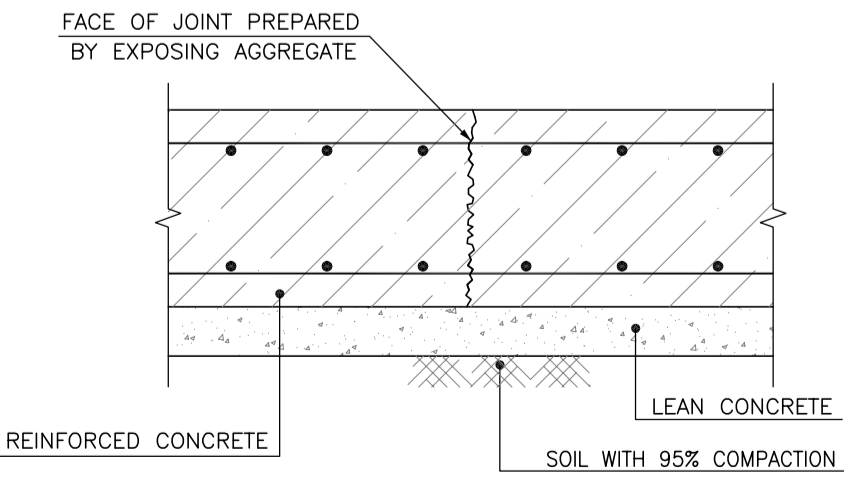
1:25 9 REINFORCEMENT



1:25 4 REINFORCEMENT



N.T.S. 11 TYPICAL CONTRACTION JOINT EVERY 4000



N.T.S. 12 TYPICAL CONSTRUCTION JOINT

| BAR BENDING SCHEDULE - GAS OIL STORAGE | | | | | |
|--|-------|-------------|-------|-----|---------|
| Pos | Spec. | Shape | L/A | No. | T10 |
| 1 | T10 | 11850 | 11.85 | 124 | 1469.4 |
| 2 | T10 | 9000 | 9.00 | 140 | 1260.0 |
| 3 | T10 | 4450 | 4.45 | 140 | 600.85 |
| 4 | T10 | 850 | 0.65 | 480 | 312.00 |
| 5 | T10 | 150 350 | 0.50 | 240 | 120.00 |
| 6 | T10 | 150 350 150 | 0.65 | 480 | 312.00 |
| 7 | T10 | 1150 | 1.15 | 37 | 42.55 |
| 8 | T10 | 150 1400 | 1.55 | 34 | 52.70 |
| 9 | T10 | 150 400 | 0.55 | 14 | 7.70 |
| TOTAL LENGTH OR AREA (m) | | | | | 4188.20 |
| UNIT WEIGHT (Kg/m) | | | | | 0.617 |
| WEIGHT (Kg) | | | | | 2577.34 |
| GRAND TOTAL (Kg) | | | | | 2580 |

| TABLE 2 (CORNERS COORDINATES) | | |
|----------------------------------|--------------|---------------|
| POINT 1 | E=437105.558 | N=3293162.643 |
| POINT 2 | E=437113.198 | N=3293173.161 |
| POINT 3 | E=437123.716 | N=3293165.521 |
| POINT 4 | E=437116.076 | N=3293155.003 |

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAK | *** |

| | | | | | | |
|---|--|--|--|--|--|--|
| PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES | | | | | | |
| PROJECT NO.: 971020 | | | | | | |
| EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES | | | EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY | | | |

| | | | | | | |
|--|------|------------------------------|-----------|------|--------------|----------|
| DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S GAS OIL PAD FORMWORK & REINFORCEMENT PLAN-SECTION | | | | | | |
| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. | BUDGET REF. | LOCATION |
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 06 OF 42 | D06 | 053-073-9184 | F |

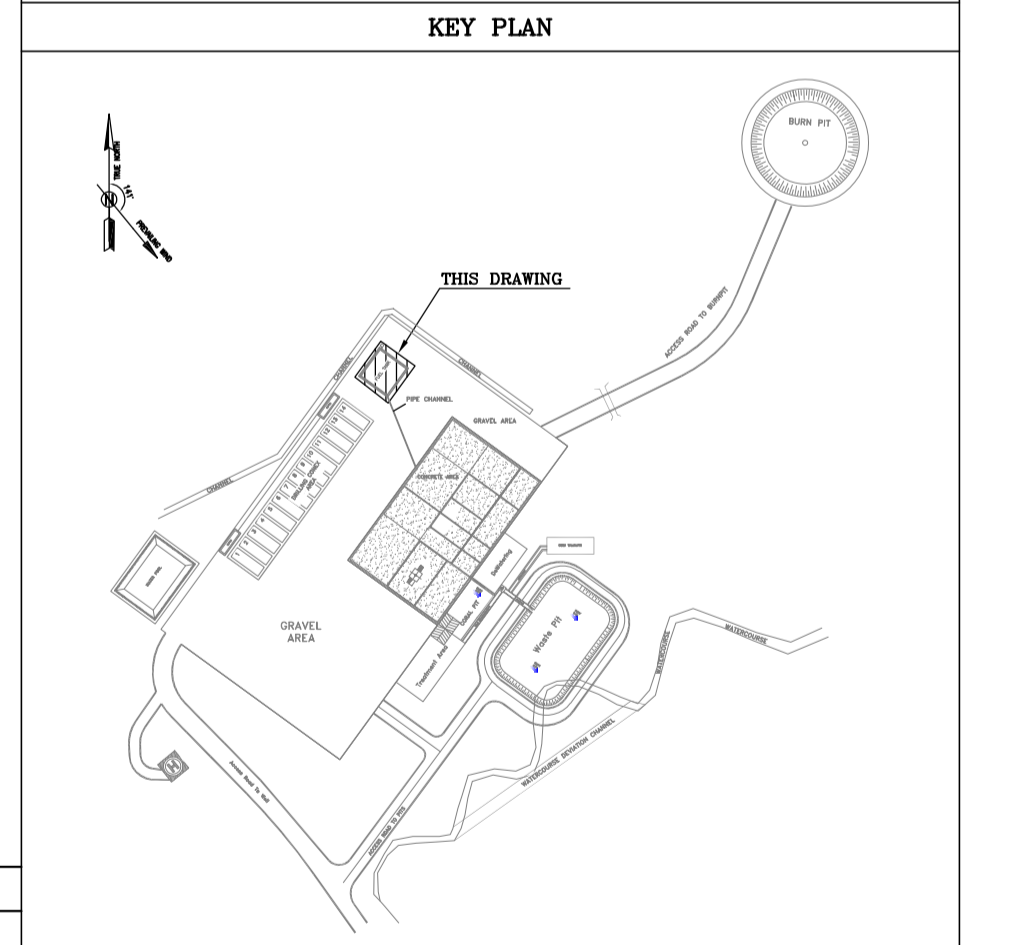
- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
- ±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



| | | | | |
|---|-------|------------------------------|------------|--------------|
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
| | | | | |
| NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED | | | | |
| APPROVED FOR CONSTRUCTION | | BY: | DATE: | |
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 06 OF 42 | D06 |

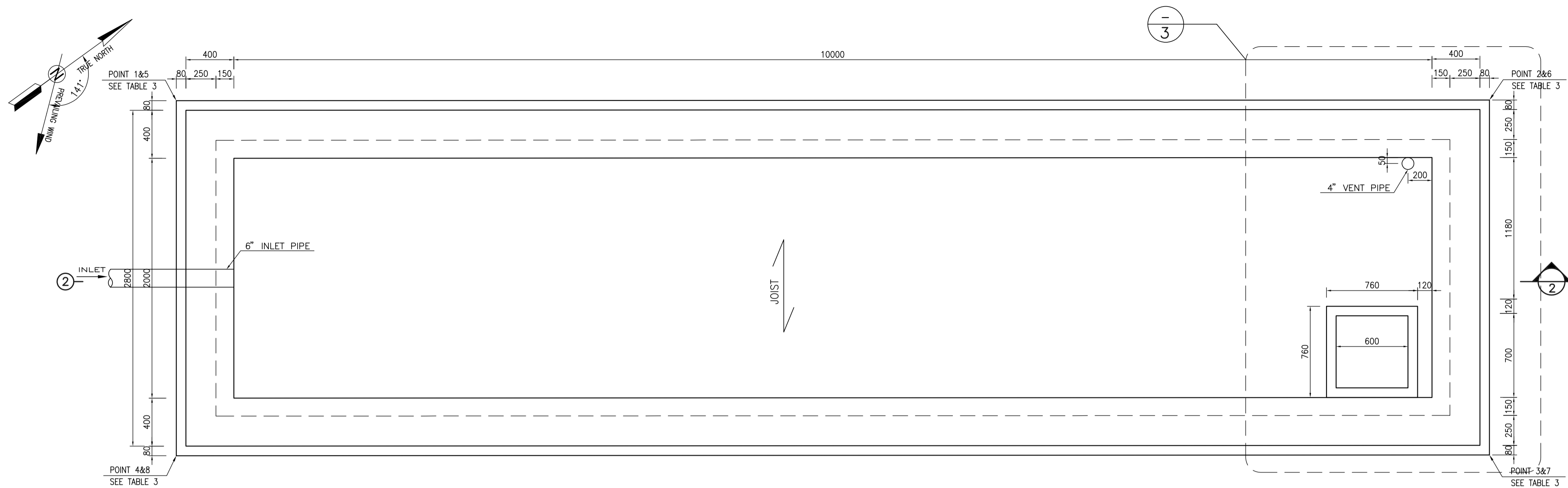


TABLE 3
(CORNERS COORDINATES)

| POINT | E | N |
|---------|--------------|---------------|
| POINT 1 | E=437090.383 | N=3293148.353 |
| POINT 2 | E=437096.825 | N=3293157.221 |
| POINT 3 | E=437099.219 | N=3293155.480 |
| POINT 4 | E=437092.777 | N=3293146.612 |
| POINT 5 | E=437054.638 | N=3293099.141 |
| POINT 6 | E=437061.079 | N=3293108.008 |
| POINT 7 | E=437063.473 | N=3293106.267 |
| POINT 8 | E=437057.032 | N=3293097.400 |

- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD COLOR:
DENSITY : 4.1-5.1 gr/cm³
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL

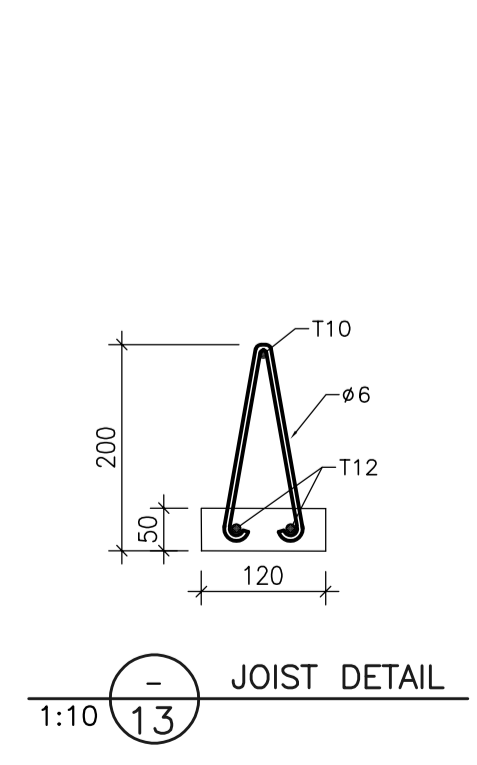
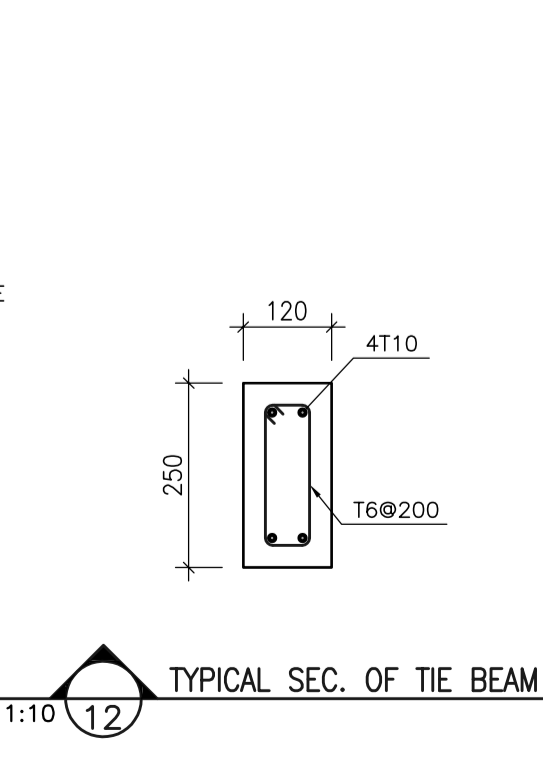
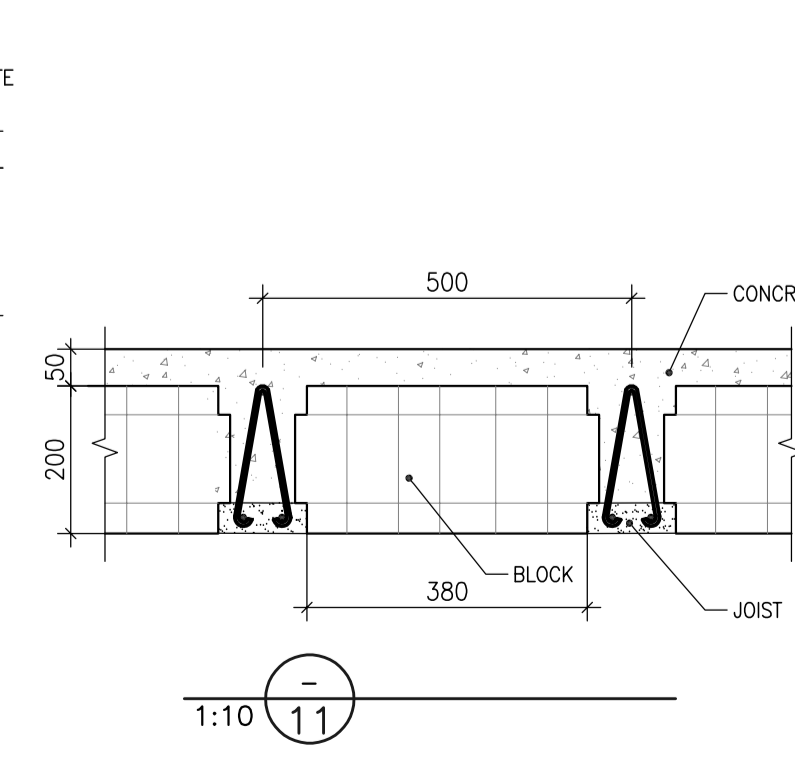
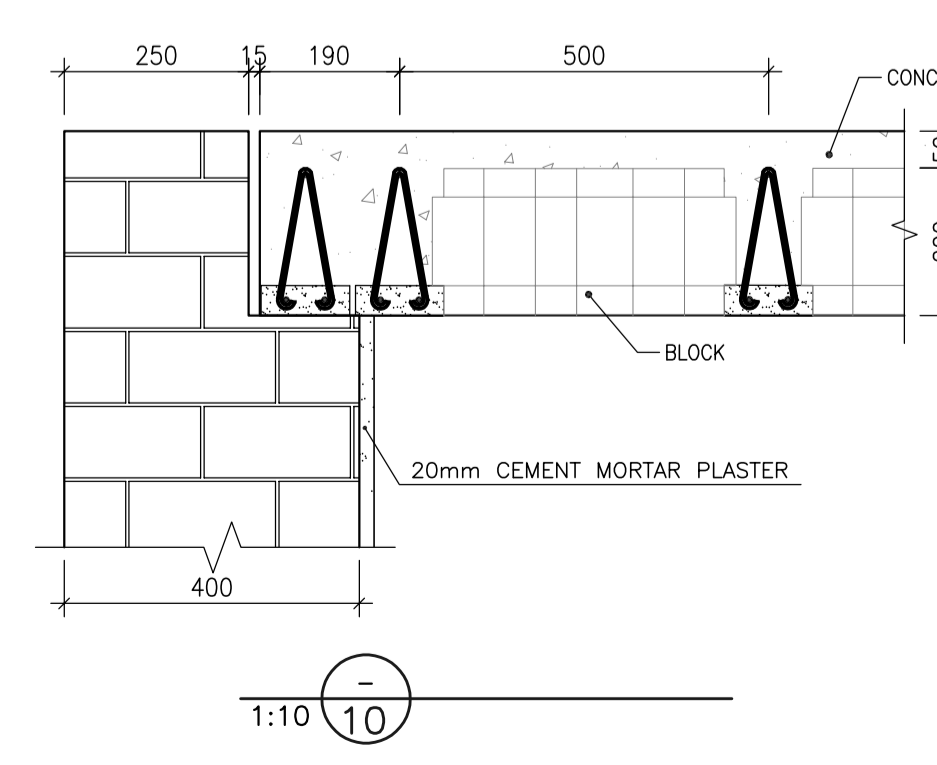
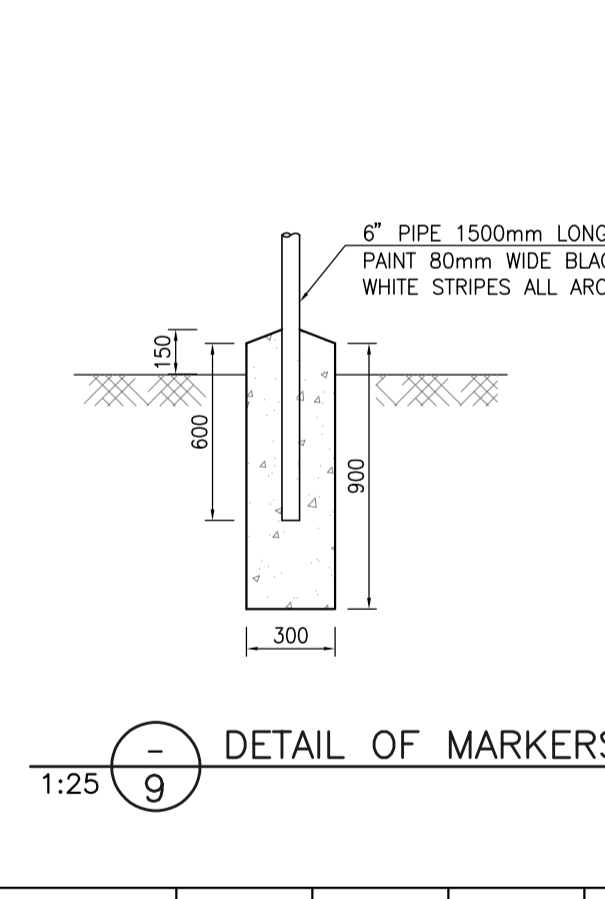
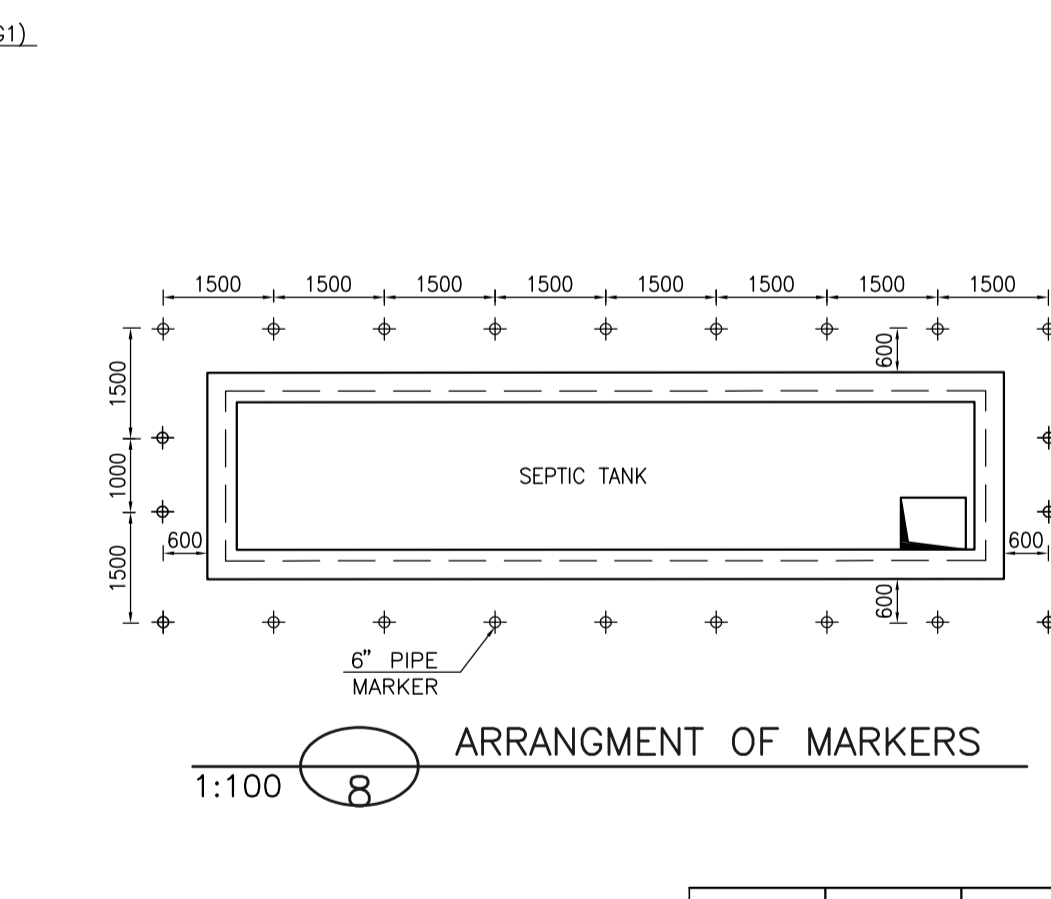
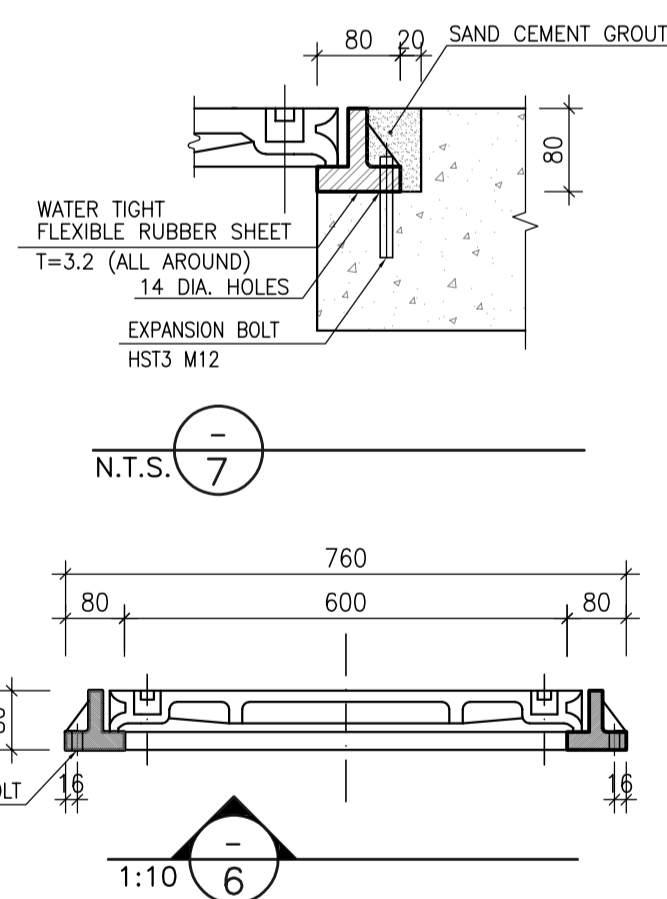
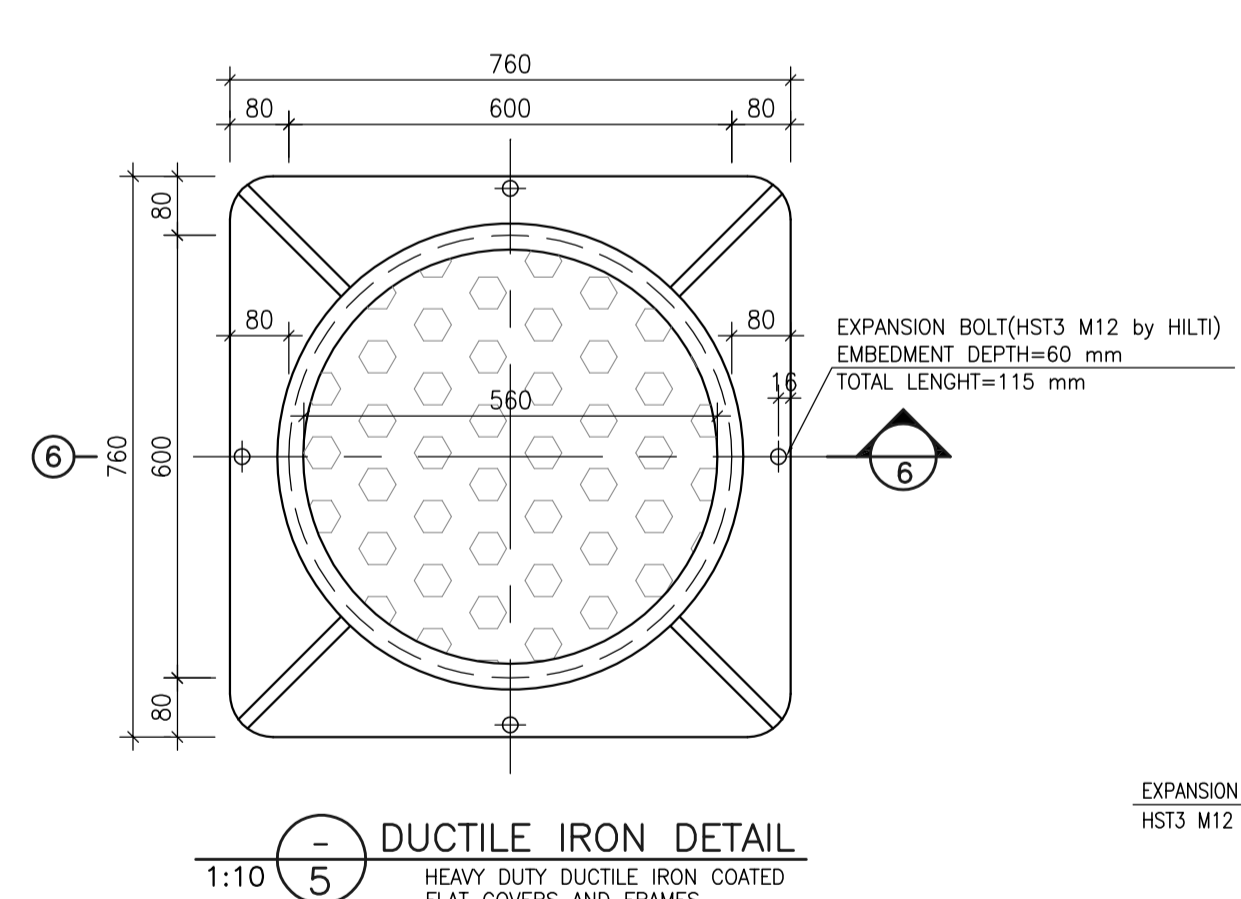
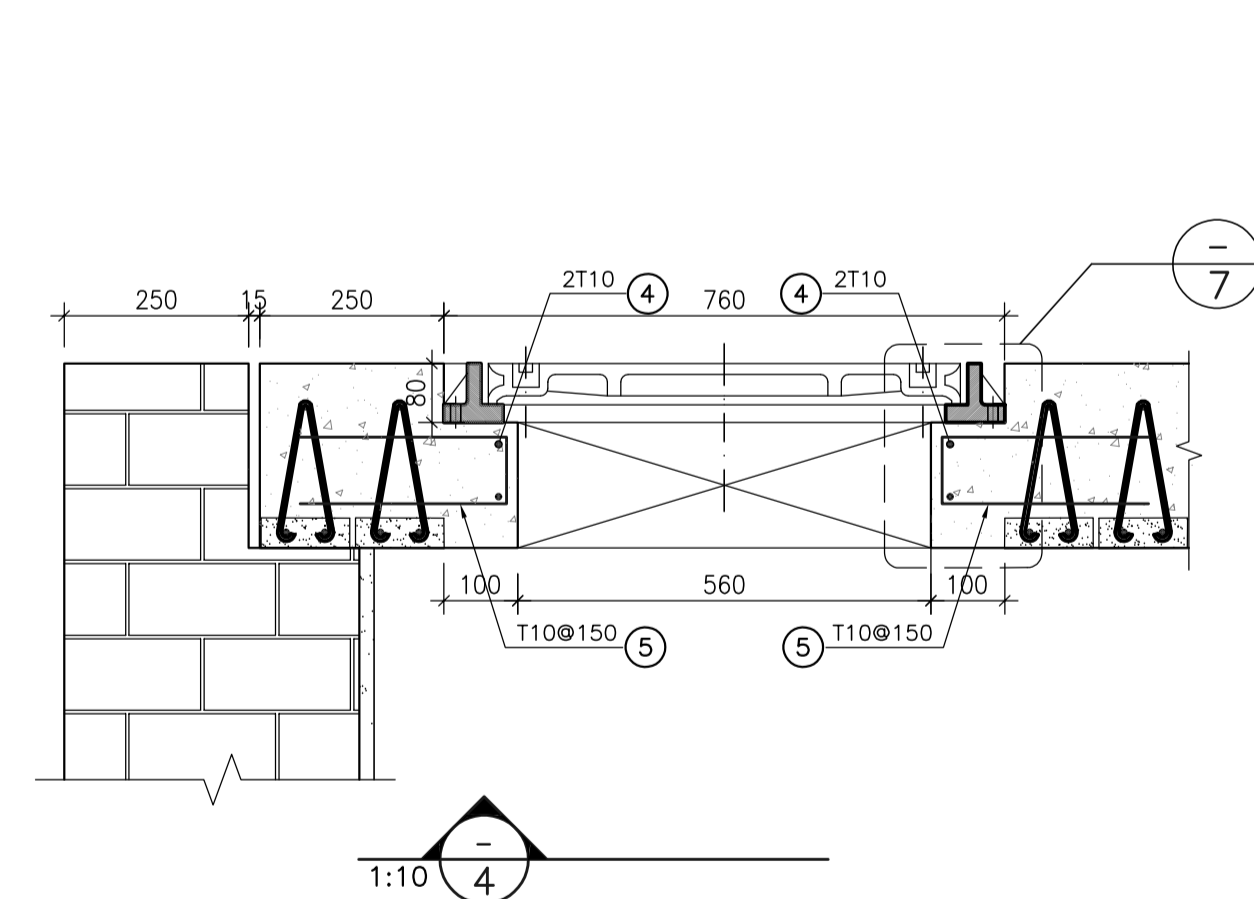
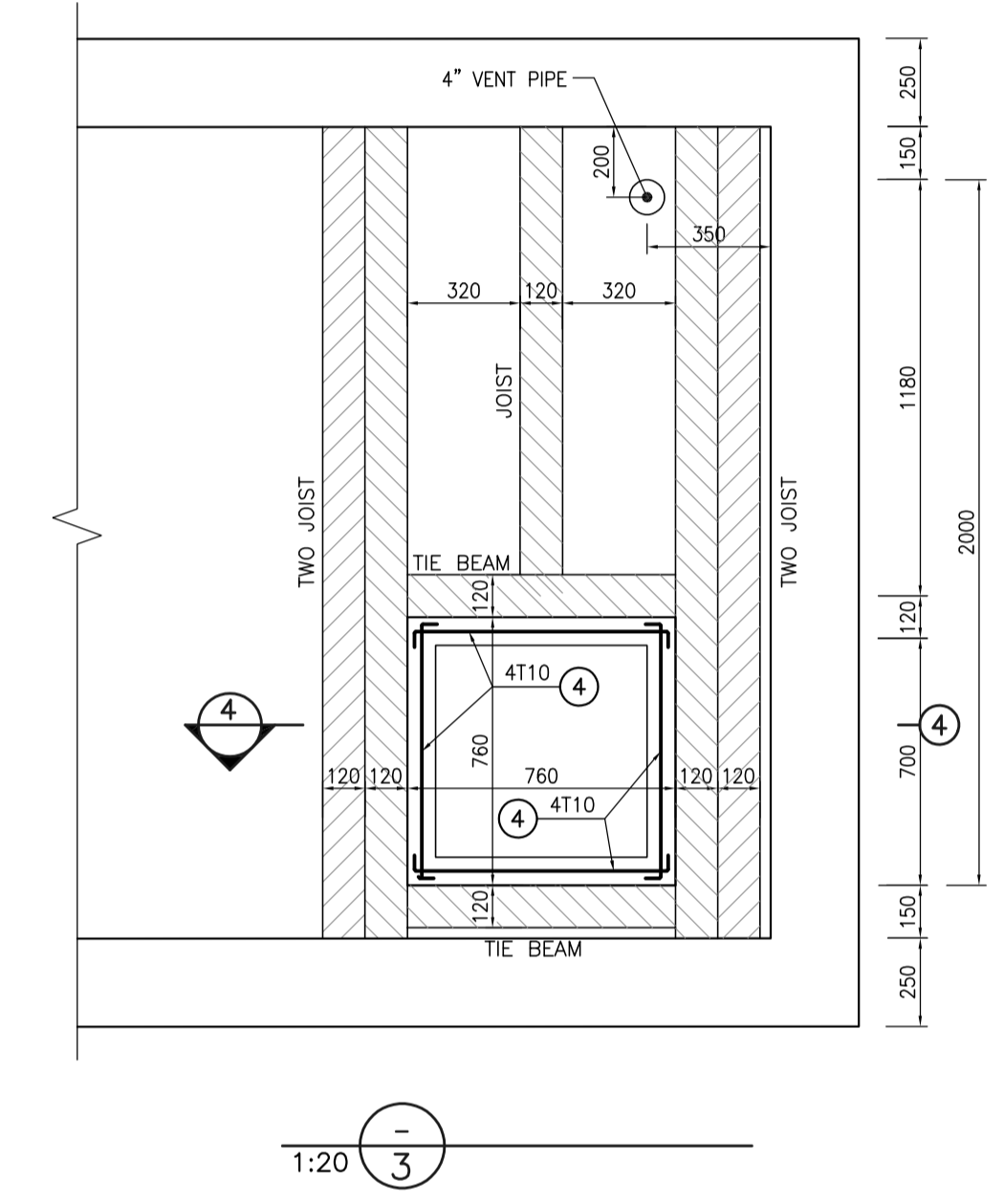
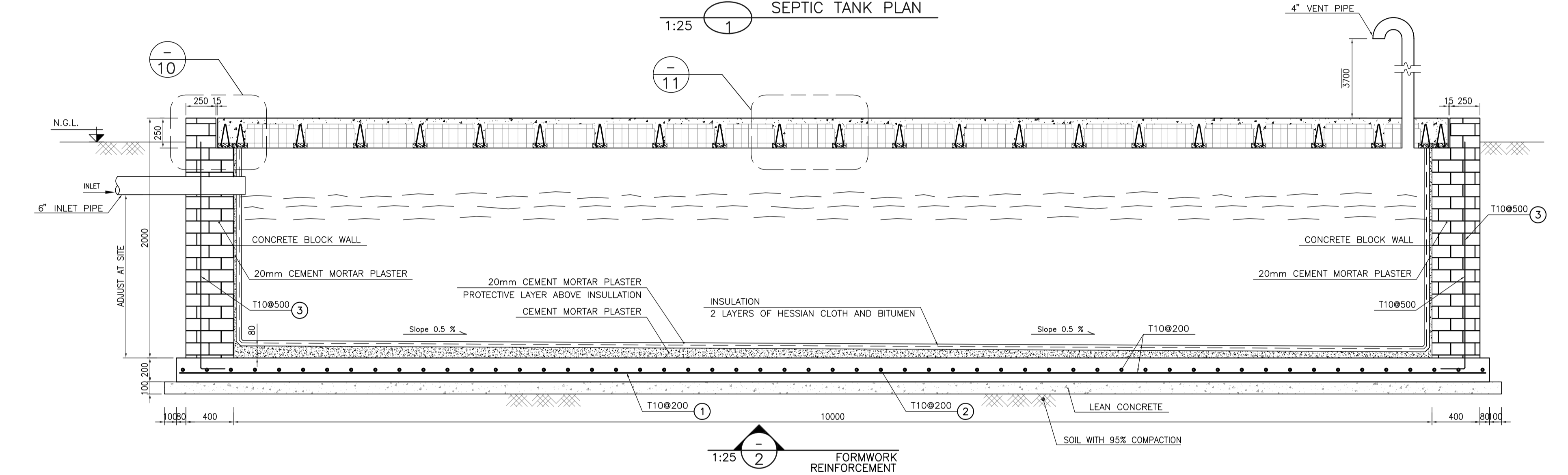
±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

| SYMBOL | DESCRIPTION | ABBREVIATION |
|--------------------|---------------------|----------------------------|
| [Hatched] | REINFORCED CONCRETE | T.O.F. TOP OF FOUNDATION |
| [Dotted] | LEAN CONCRETE | T.O.W. TOP OF WALL |
| [Cross-hatched] | CEMENT BLOCK WALL | T.O.C. TOP OF CONCRETE |
| [Diagonal lines] | GRAVEL | T.O.PIT TOP OF PIT |
| [Horizontal lines] | SUB GRADE | B.O.P. BOTTOM OF PIPE |
| [Wavy lines] | SLOPE | R.G.L. ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT - W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS - W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



BAR BENDING SCHEDULE - SEPTIC TANK

| Pos | Spec. | Shape | L/A | No. | T10 |
|--|-------|-------------|-------|-----|--------|
| 1 | T10 | 10800 | 10.80 | 14 | 151.20 |
| 2 | T10 | 2800 | 2.80 | 18 | 50.40 |
| 3 | T10 | 150 2050 | 2.20 | 52 | 114.40 |
| 4 | T10 | 150 600 150 | 0.90 | 8 | 7.20 |
| 5 | T10 | 90 280 280 | 0.85 | 20 | 13.0 |
| TOTAL LENGTH OR AREA (m/m ²) | | | | | 336.20 |
| UNIT WEIGTH (Kg) | | | | | 0.617 |
| WEIGTH (Kg) | | | | | 207.44 |
| GRAND TOTAL (Kg) | | | | | 210 |

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S SEPTIC TANK FORMWORK & REINFORCEMENT PLAN-SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 07 OF 42 | D06 |

KEY PLAN

REV. DESCRIPTION

| REV. | DESCRIPTION | BY | DATE | BY | DATE |
|------|-------------|-----|-------|-----|-------|
| *** | ***** | *** | ***** | *** | ***** |

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

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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W028 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 | S | 707548 | 7 | D06 |

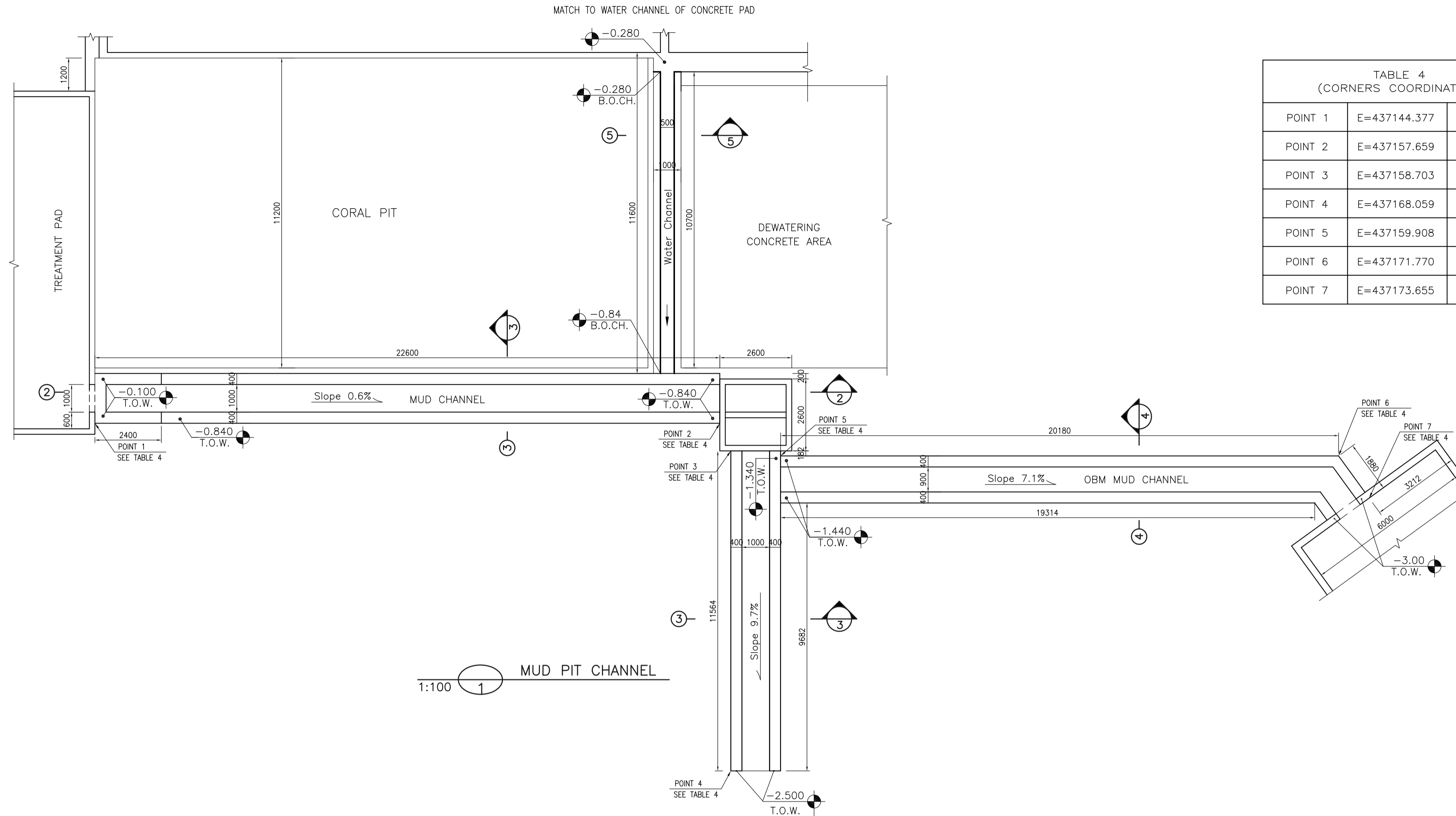
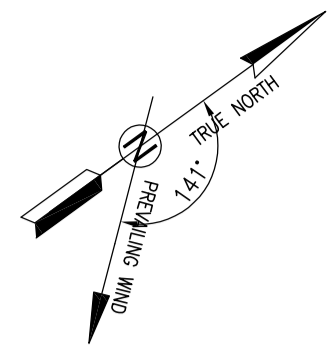


TABLE 4
(CORNERS COORDINATES)

| POINT | E | N |
|---------|--------------|---------------|
| POINT 1 | E=437144.377 | N=3293065.665 |
| POINT 2 | E=437157.659 | N=3293083.951 |
| POINT 3 | E=437158.703 | N=3293083.687 |
| POINT 4 | E=437168.059 | N=3293076.891 |
| POINT 5 | E=437159.908 | N=3293085.036 |
| POINT 6 | E=437171.770 | N=3293101.370 |
| POINT 7 | E=437173.655 | N=3293101.367 |

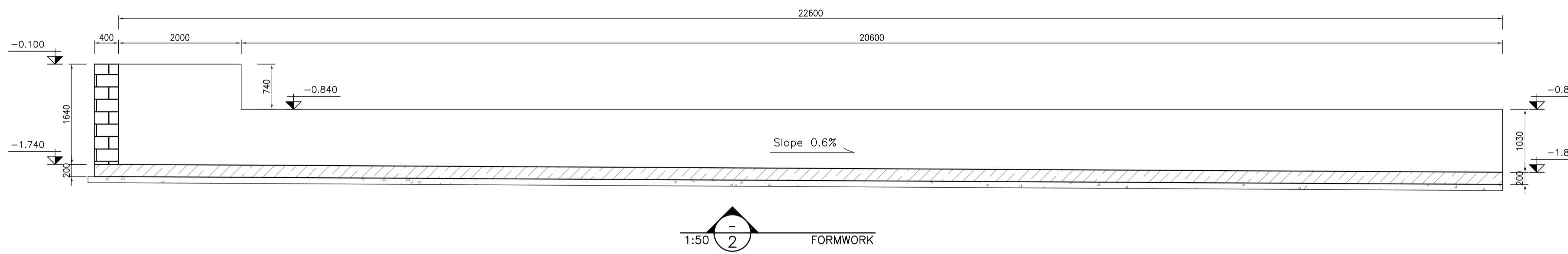
- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD COLOR:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- 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: MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

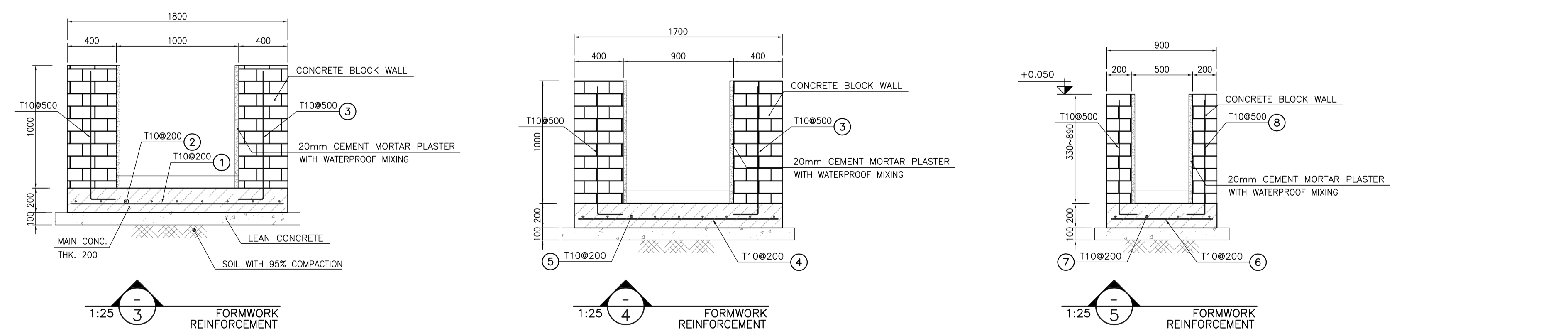
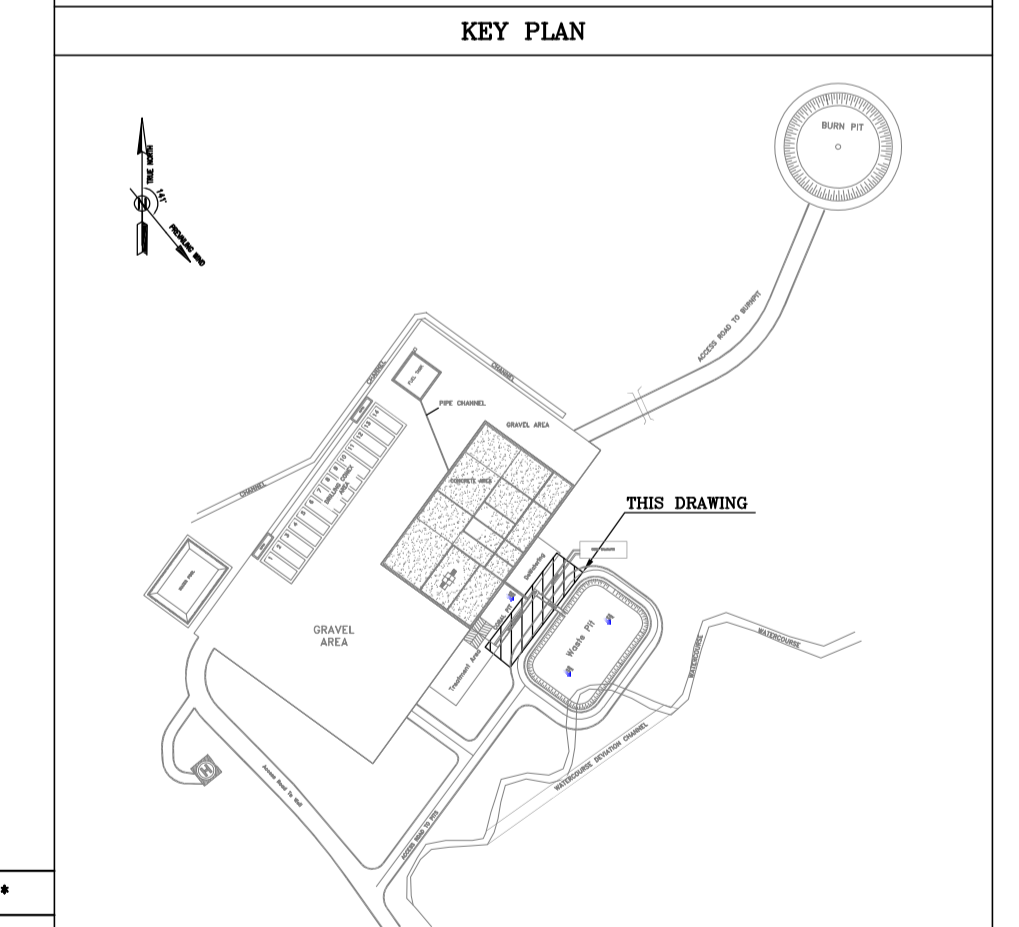
REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



BAR BENDING SCHEDULE - SEPTIC TANK

| Pos | Spec. | Shape | L/A | No. | T10 |
|---|-------|---------------|-------|-----|---------|
| 1 | T10 | 1700 | 1.70 | 170 | 289.0 |
| 2 | T10 | LT | 320.0 | - | 320.0 |
| 3 | T10 | 150 1100 | 1.25 | 224 | 280.0 |
| 4 | T10 | 1600 | 1.60 | 101 | 161.6 |
| 5 | T10 | LT | 180.0 | - | 180.0 |
| 6 | T10 | 800 | 0.80 | 55 | 44.0 |
| 7 | T10 | 10600 | 10.6 | 5 | 53.0 |
| 8 | T10 | 150 400-800 | - | 46 | 34.50 |
| TOTAL LENGTH OR AREA (m/m²) | | | | | 1329.70 |
| UNIT WEIGTH (Kg) | | | | | 0.617 |
| WEIGTH (Kg) | | | | | 820.42 |
| GRAND TOTAL (Kg) | | | | | 820 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S MUD PIT CHANNEL FORMWORK & REINFORCEMENT PLAN-SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 08 OF 42 | D06 |

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

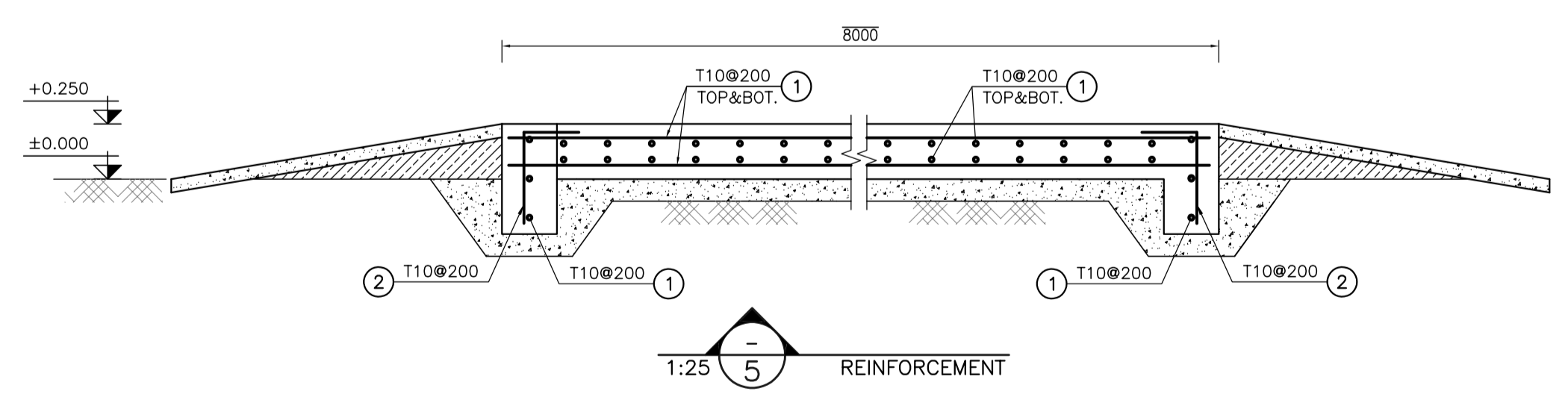
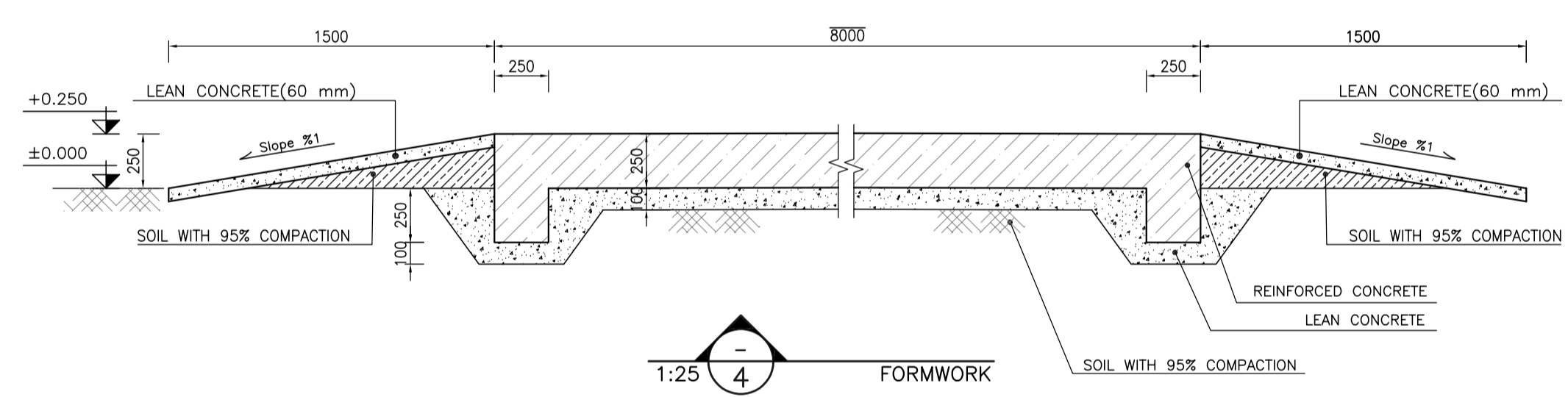
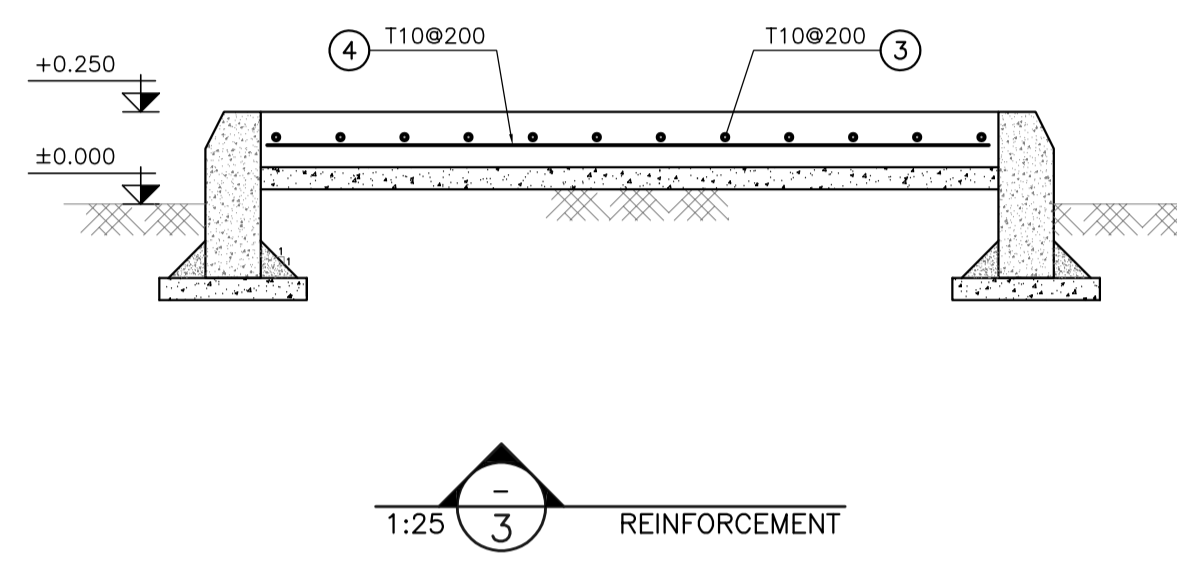
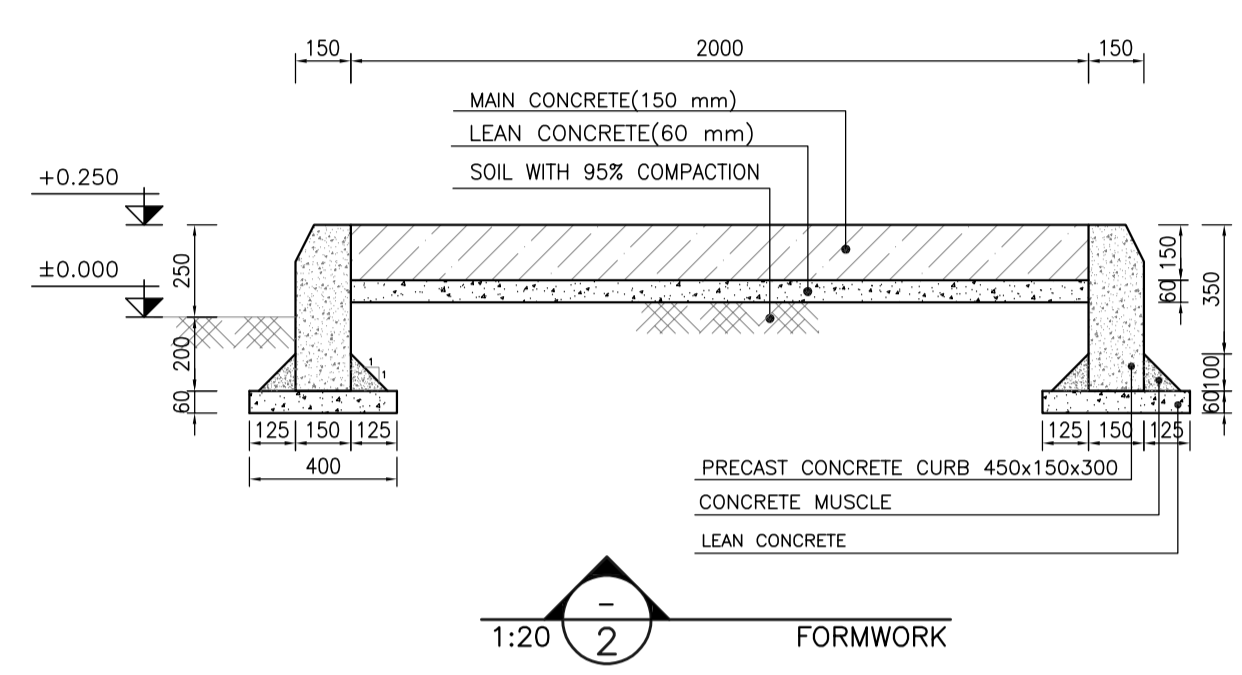
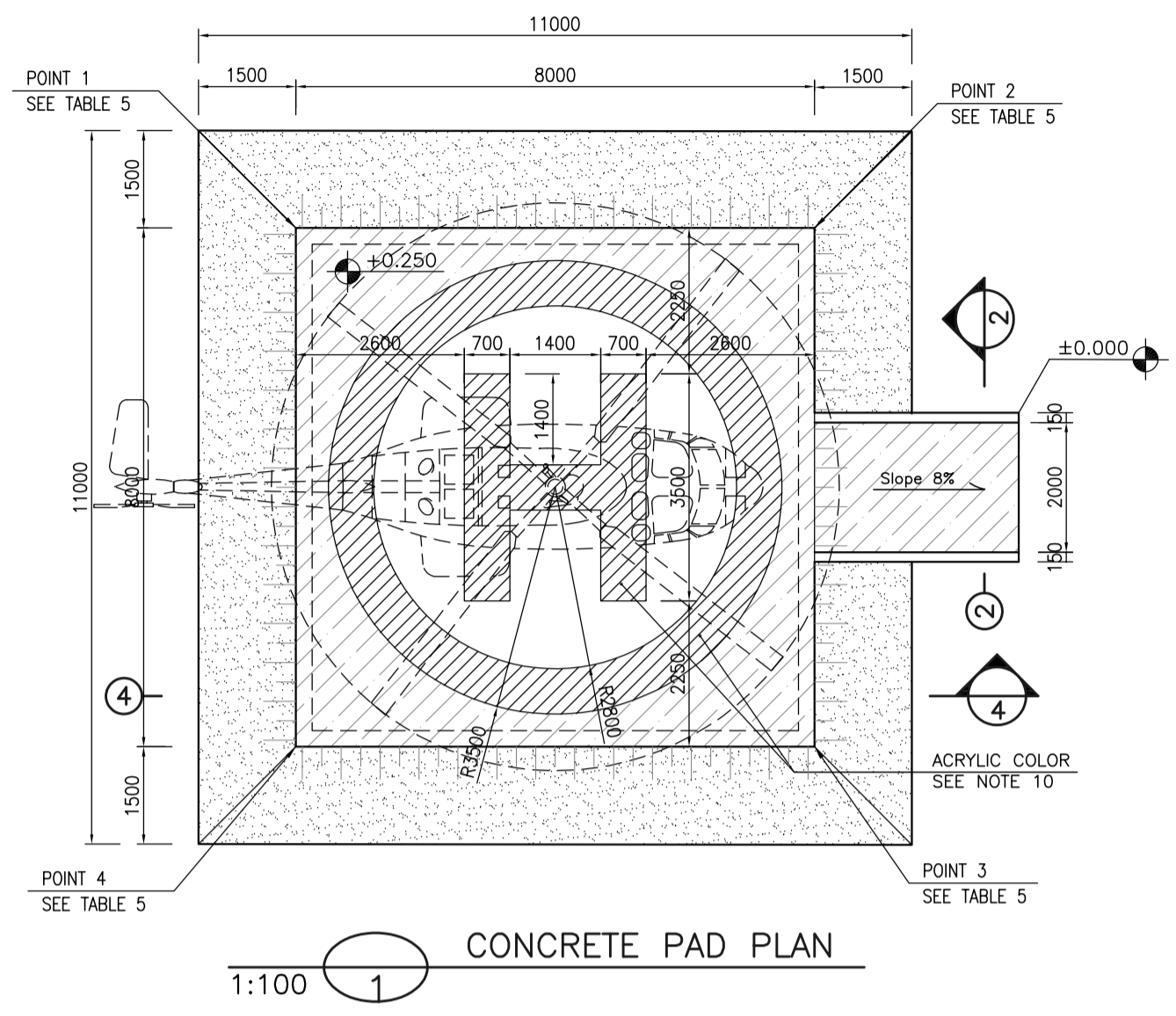
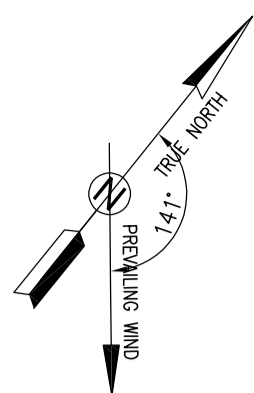
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 8 | D06 |



| POINT | E | N |
|---------|--------------|---------------|
| POINT 1 | E=437032.963 | N=3293022.272 |
| POINT 2 | E=437039.195 | N=3293027.288 |
| POINT 3 | E=437044.212 | N=3293021.057 |
| POINT 4 | E=437037.980 | N=3293016.040 |

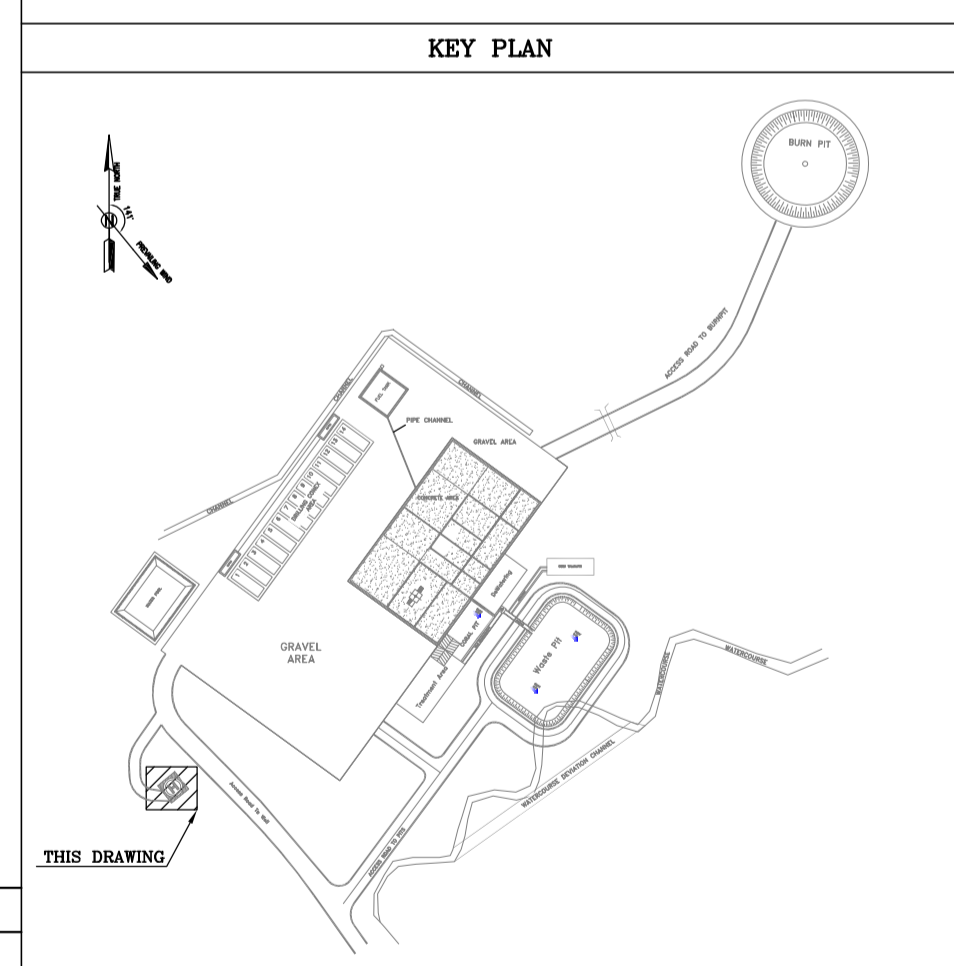
| Pos | Spec. | Shape | L/A | No. | T10 |
|--|-------|---------|------|-----|---------|
| 1 | T10 | 7850 | 7.85 | 164 | 1287.4 |
| 2 | T10 | 150 350 | 0.50 | 156 | 78.0 |
| 3 | T10 | 3000 | 3.00 | 11 | 33.0 |
| 4 | T10 | 1850 | 1.85 | 15 | 27.75 |
| TOTAL LENGTH OR AREA (m/m ²) | | | | | 1426.15 |
| UNIT WEIGTH (Kg) | | | | | 0.617 |
| WEIGHT (Kg) | | | | | 879.93 |
| GRAND TOTAL (Kg) | | | | | 880 |

- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S HELIPAD FORMWORK & REINFORCEMENT PLAN-SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 09 OF 42 | D06 |

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

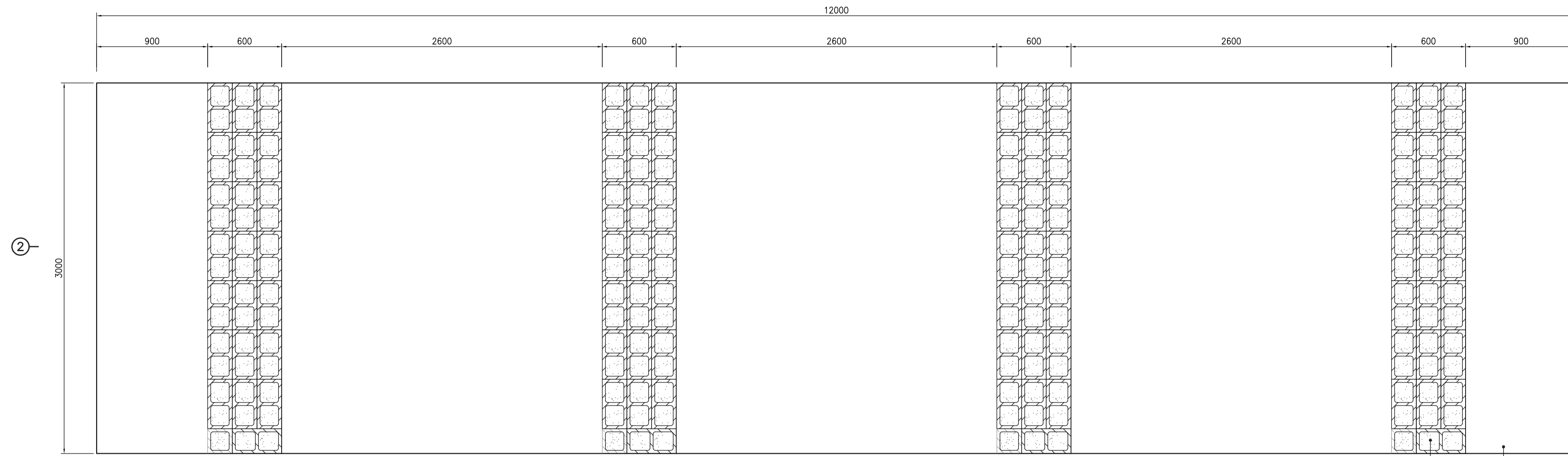
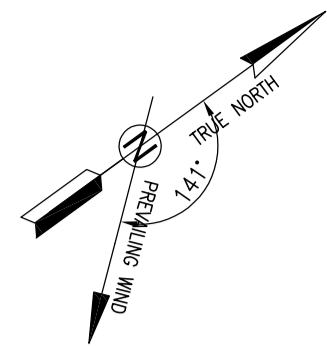
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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| | | | | |

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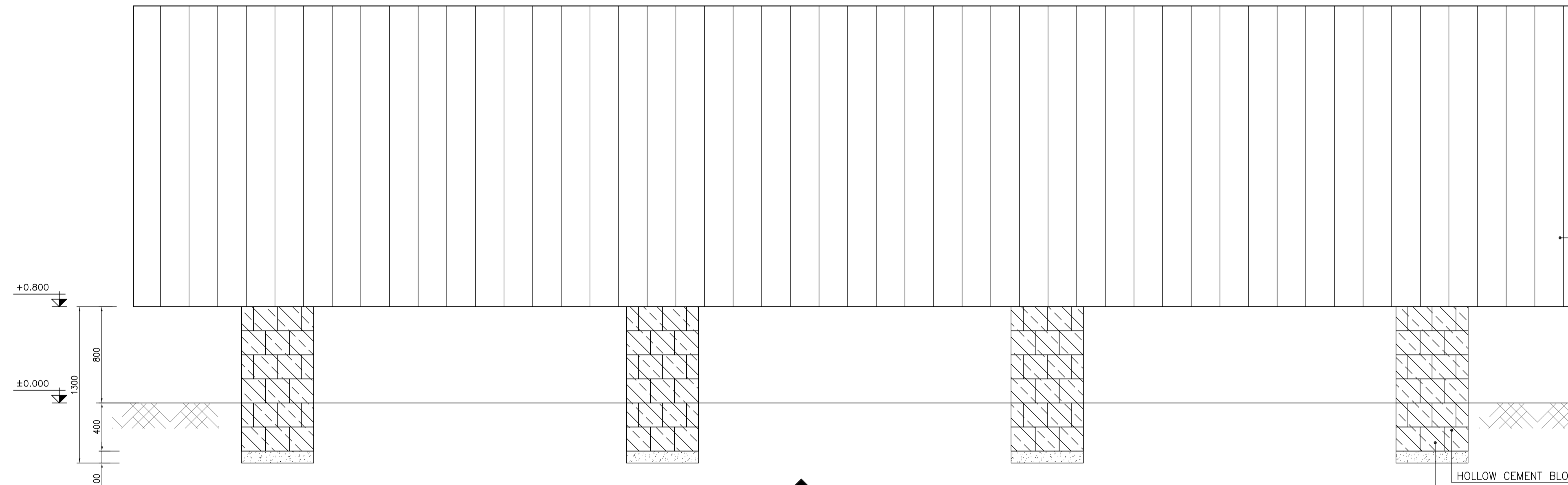
| APPROVED FOR CONSTRUCTION | BY: | DATE: |
|---------------------------|-----|-------|
| | | |

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET NO. | REVISION |
|--------------|----------|------|-------|------------|-----------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 9 | D06 |



1:25 (1) CONEX FOUNDATION PLAN

CONEX
HOLLOW CEMENT BLOCK WITH CEMENT SAND MORTAR



1:25 (2) FORMWORK

CONEX
HOLLOW CEMENT BLOCK WITH CEMENT SAND MORTAR
LEAN CONCRETE

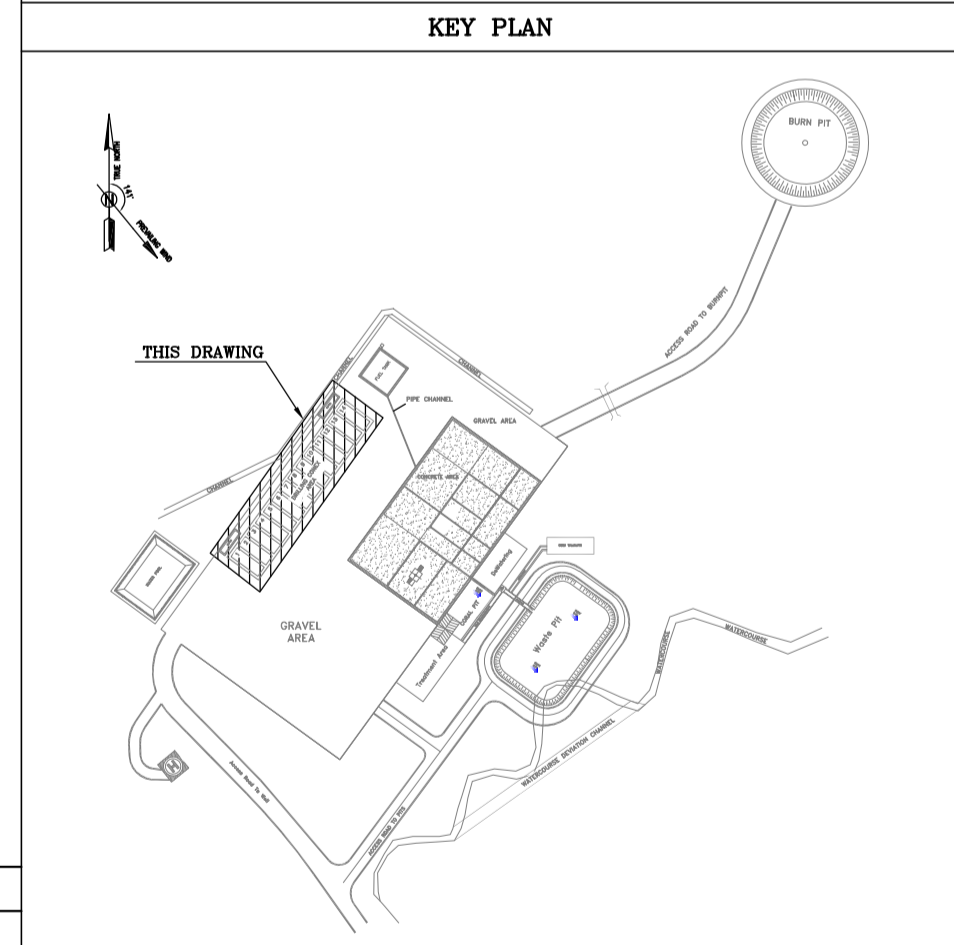
- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- 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: MSL
- ±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S CONEX FOUNDATION PLAN AND SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 10 OF 42 | D06 |

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

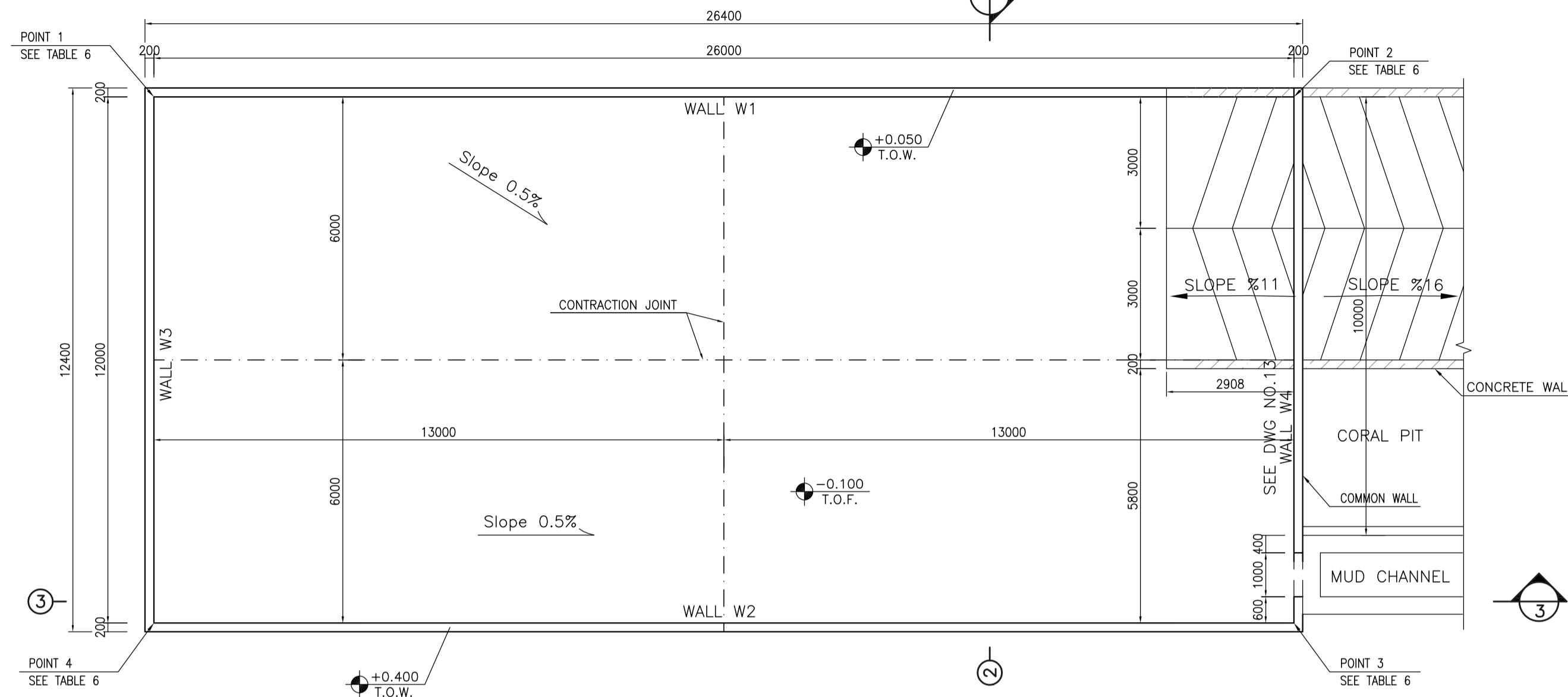
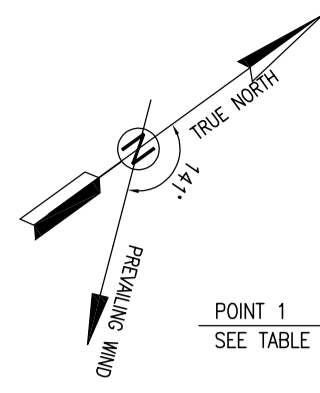
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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| APPROVED FOR CONSTRUCTION | BY: | DATE: |
|---------------------------|-----|-------|
| | | |

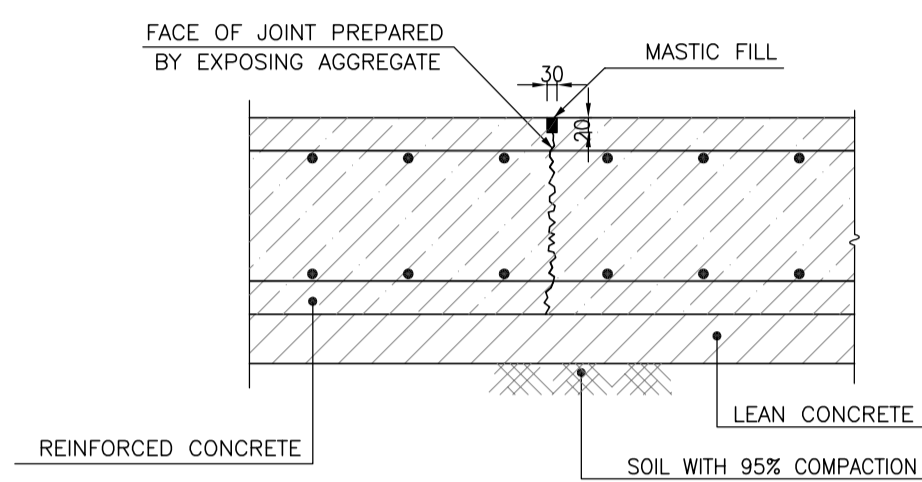
| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 10 | D06 |



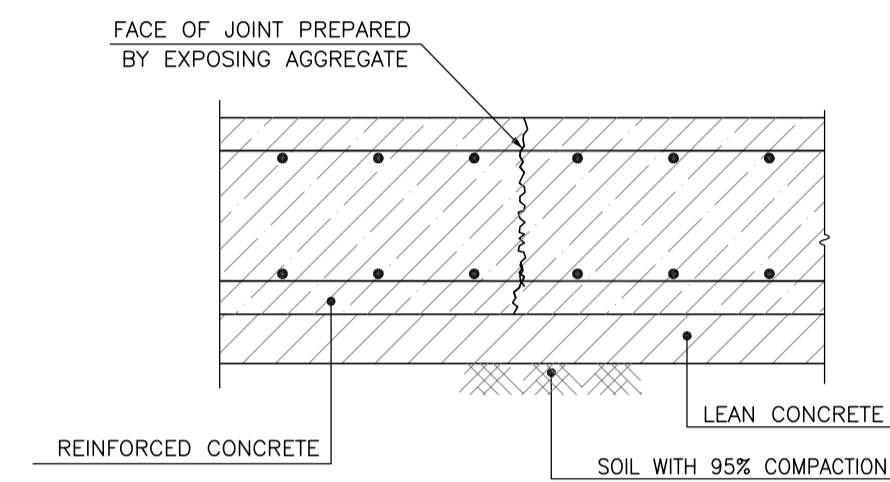
1:100 (1) TREATMENT PAD PLAN FORMWORK

TABLE 6
(CORNERS COORDINATES)

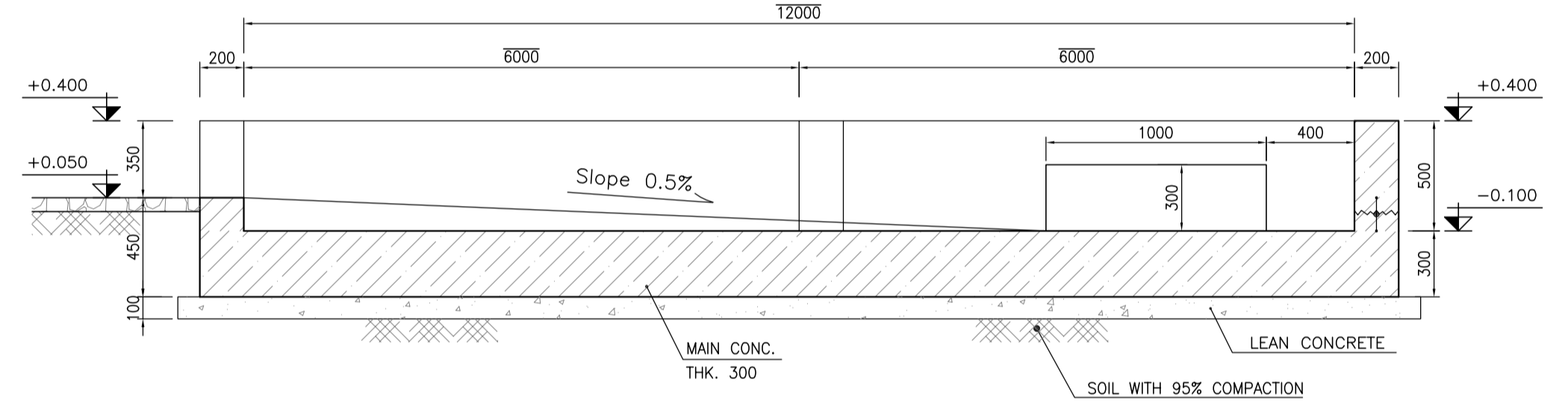
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|---------|--------------|---------------|
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| POINT 2 | E=437134.712 | N=3293072.438 |
| POINT 3 | E=437144.421 | N=3293065.386 |
| POINT 4 | E=437129.142 | N=3293044.350 |



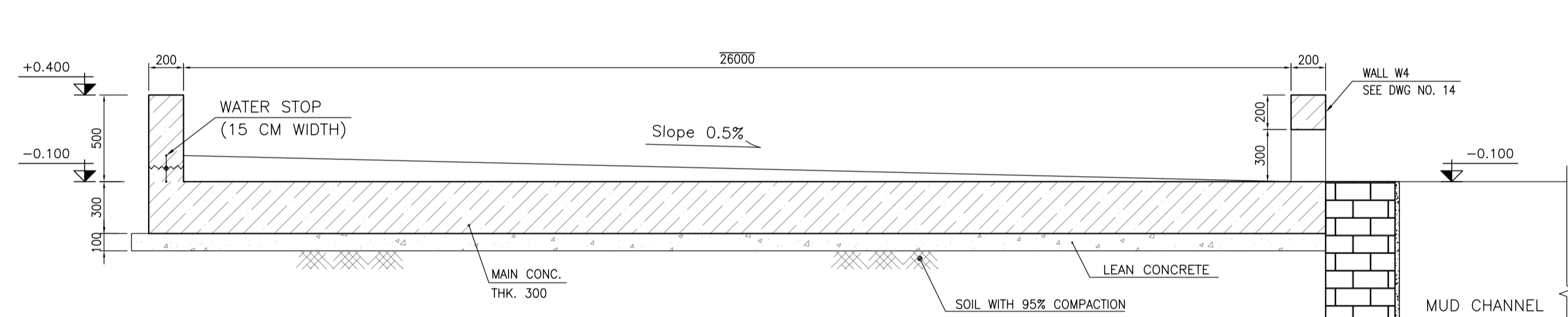
N.T.S. (8) TYPICAL CONTRACTION JOINT EVERY 4000



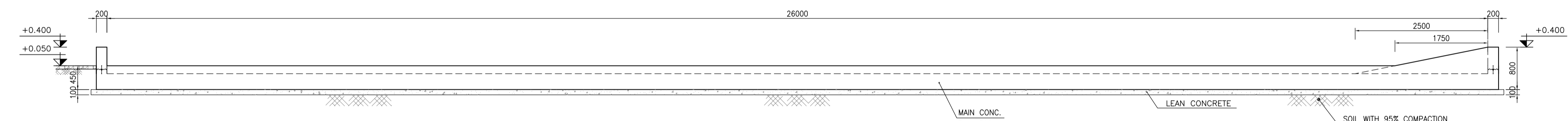
N.T.S. (9) TYPICAL CONSTRUCTION JOINT



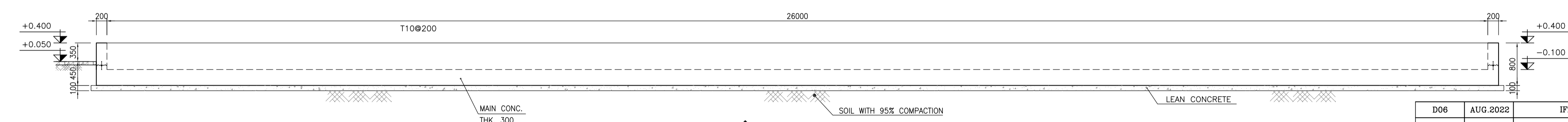
1:25 (2) FORMWORK



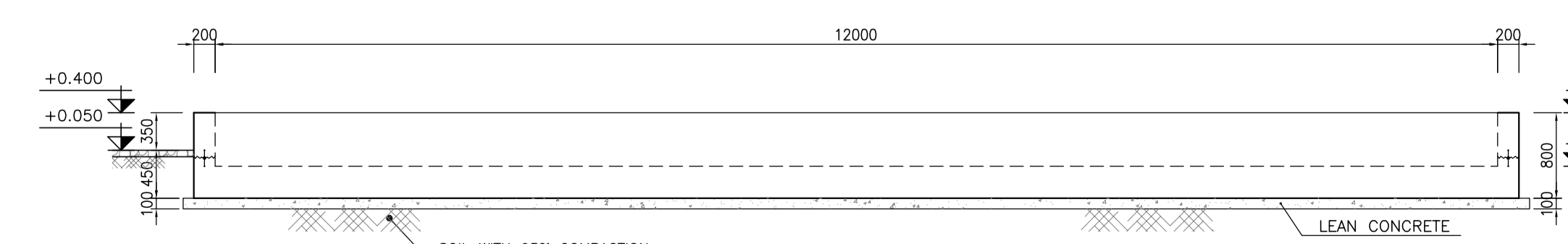
1:25 (3) FORMWORK



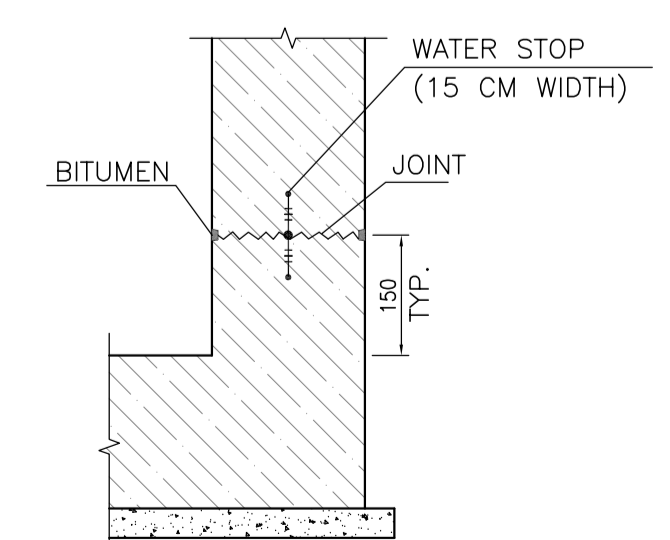
1:50 (4) WALL W1 FORMWORK



1:50 (5) WALL W2 FORMWORK



1:50 (6) WALL W3 FORMWORK



N.T.S. (7) TYPICAL DETAIL OF WATER STOP

- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
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 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

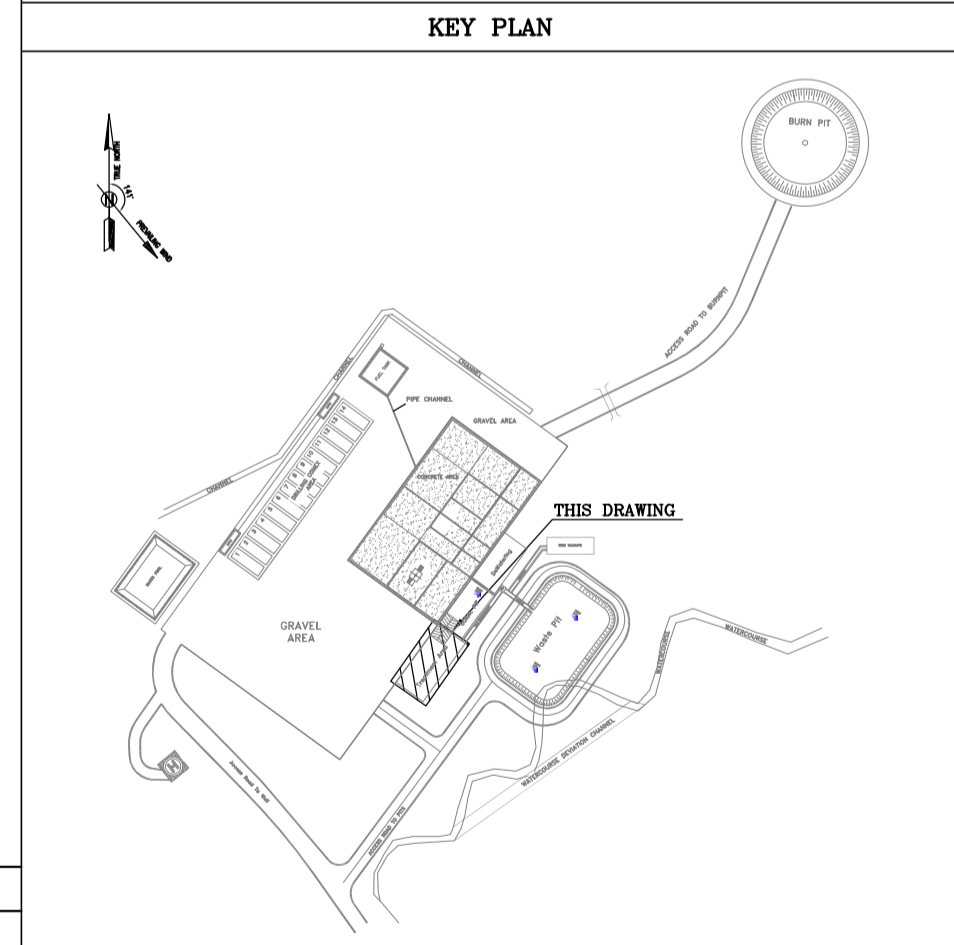
±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
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| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT - W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS - W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
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| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S TREATMENT PAD FORMWORK - DETAIL & SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 11 OF 42 | D06 |

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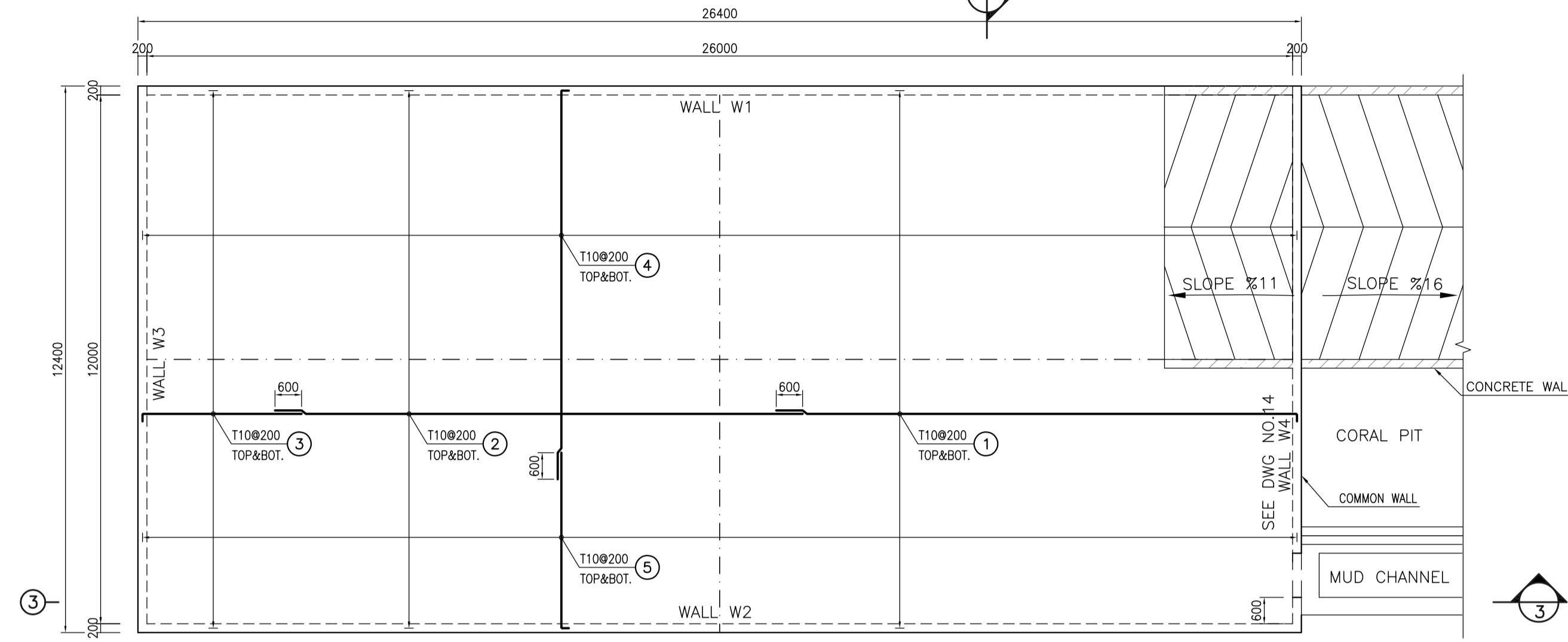
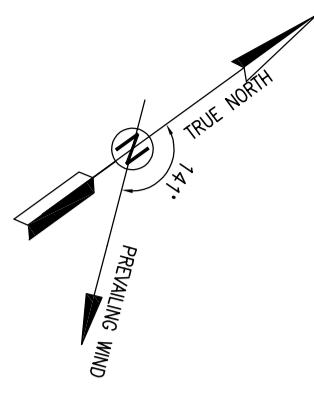
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

| 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 | S | 707548 | 11 | D06 |



1:100 TREATMENT PAD PLAN REINFORCEMENT

| BAR BENDING SCHEDULE - TREATMENT PAD | | | | | |
|--------------------------------------|-------|-----------|-------|-----|---------|
| Pos | Spec. | Shape | L/A | No. | T10 |
| 1 | T10 | 150 11850 | 12.00 | 128 | 1536.0 |
| 2 | T10 | 12000 | 12.00 | 128 | 1536.0 |
| 3 | T10 | 150 3600 | 3.75 | 128 | 480.0 |
| 4 | T10 | 150 8850 | 9.00 | 247 | 2223.0 |
| 5 | T10 | 150 4000 | 4.15 | 247 | 1025.05 |
| 6 | T10 | 150 650 | 0.80 | 190 | 152.0 |
| 7 | T10 | 150 300 | 0.45 | 120 | 54.0 |
| TOTAL LENGTH OR AREA (m) | | | | | 7006.05 |
| UNIT WEIGTH (Kg/m) | | | | | 0.617 |
| WEIGTH (Kg) | | | | | 4322.74 |
| GRAND TOTAL (Kg) | | | | | 4330 |

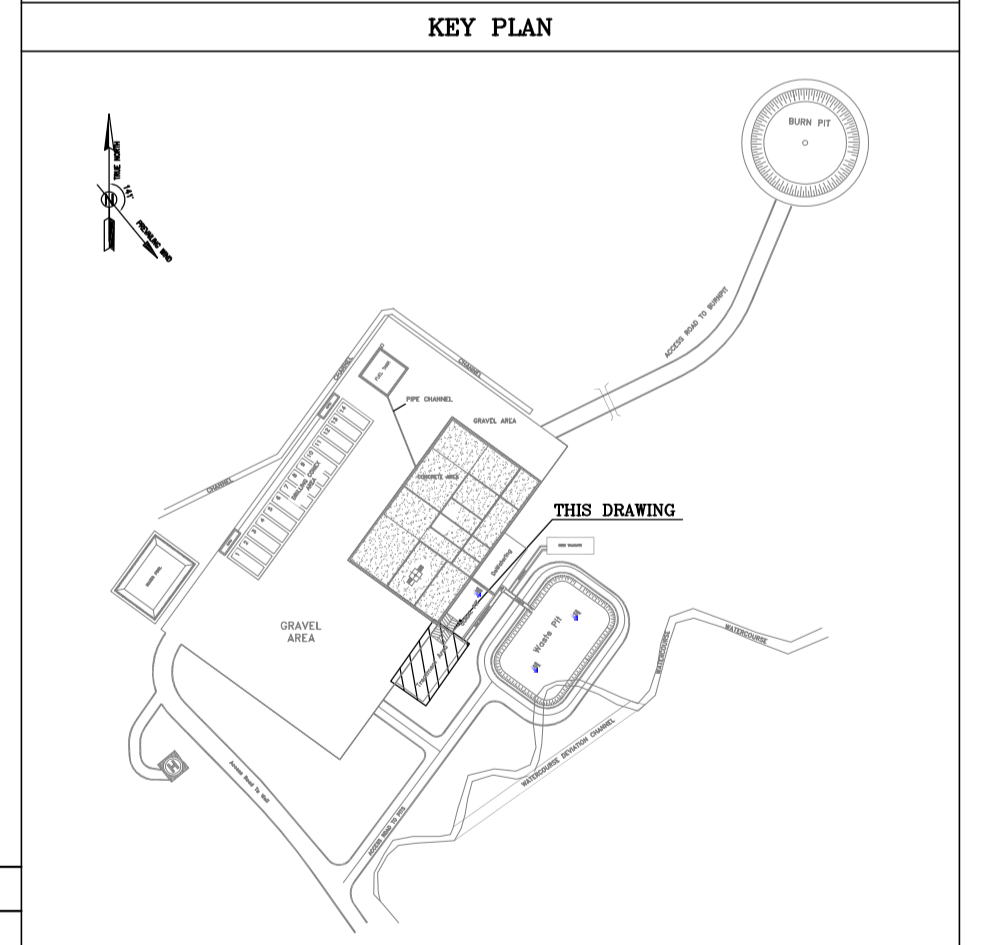
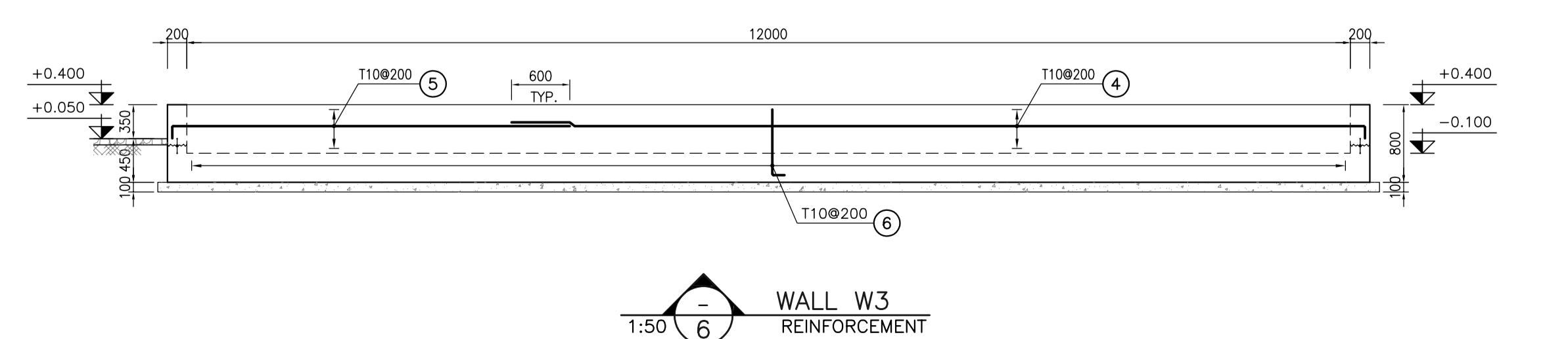
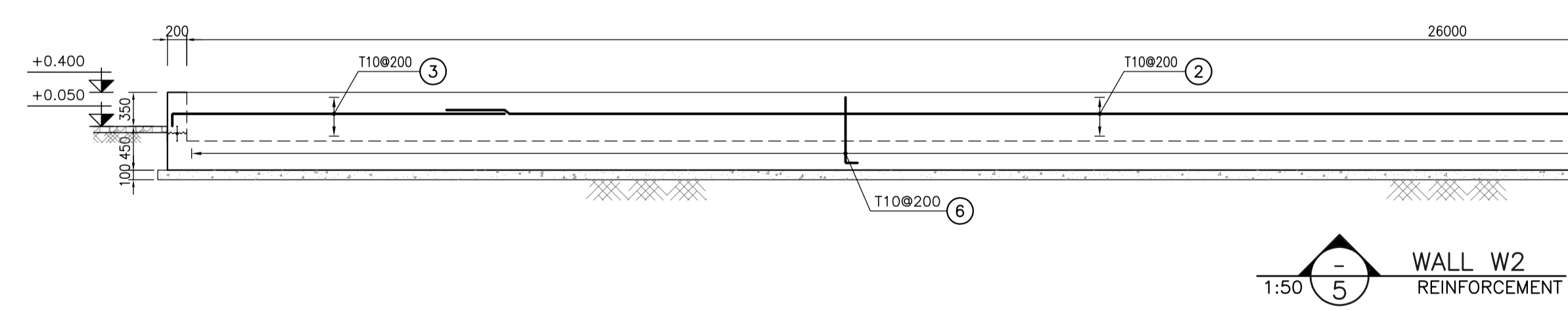
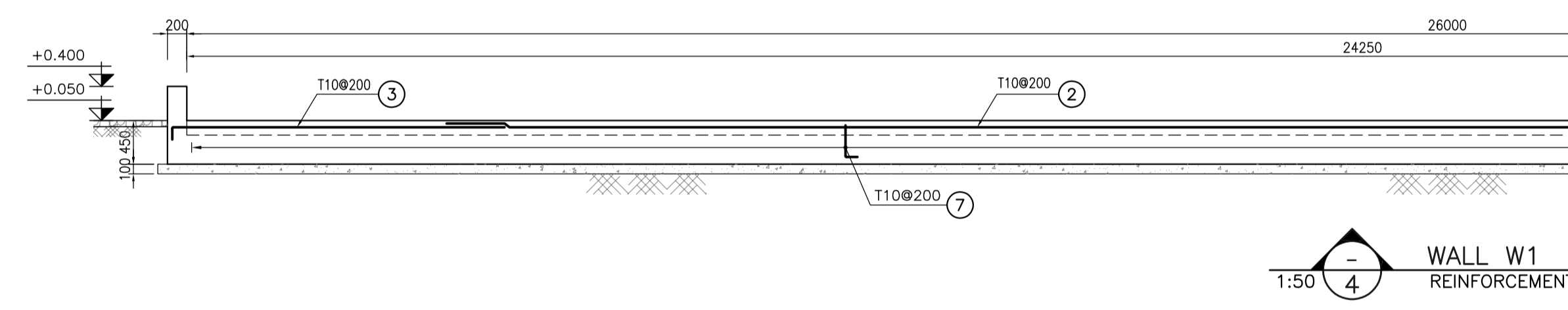
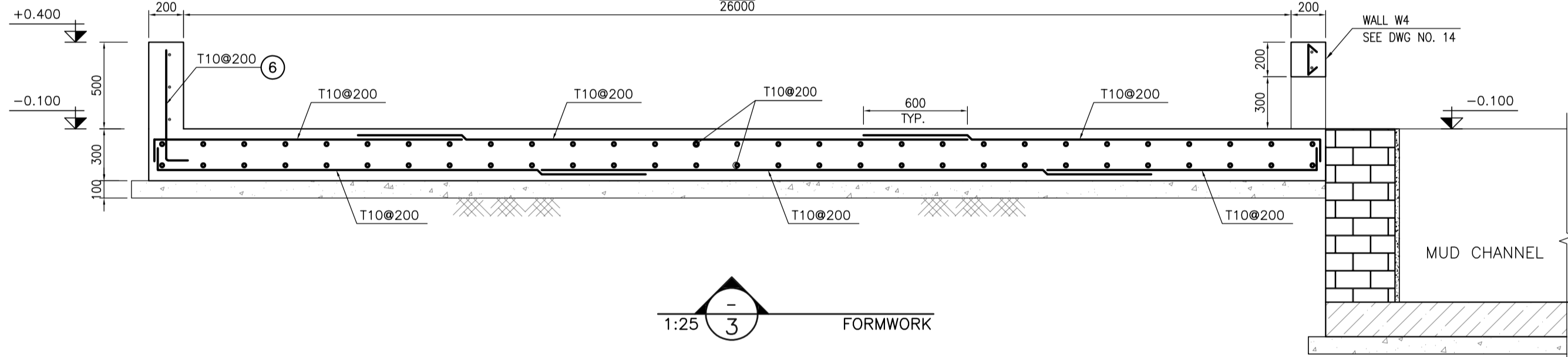
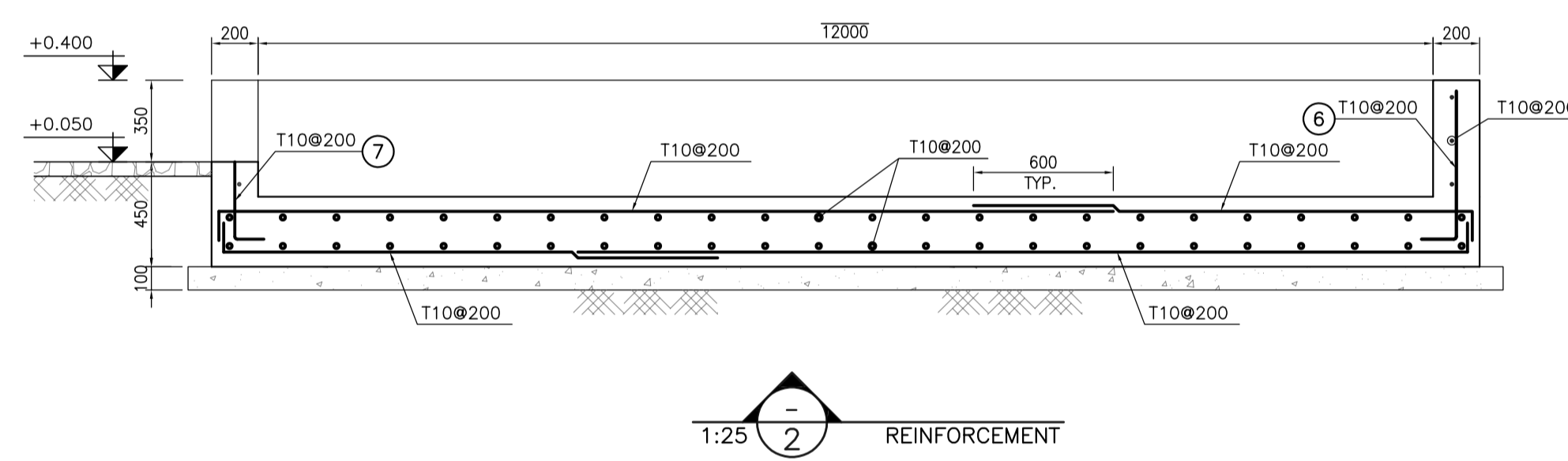
- NOTES**
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 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
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 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S TREATMENT PAD REINFORCEMENT - DETAIL & SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 12 OF 42 | D06 |

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی صنایع پتروشیمی می باشد.

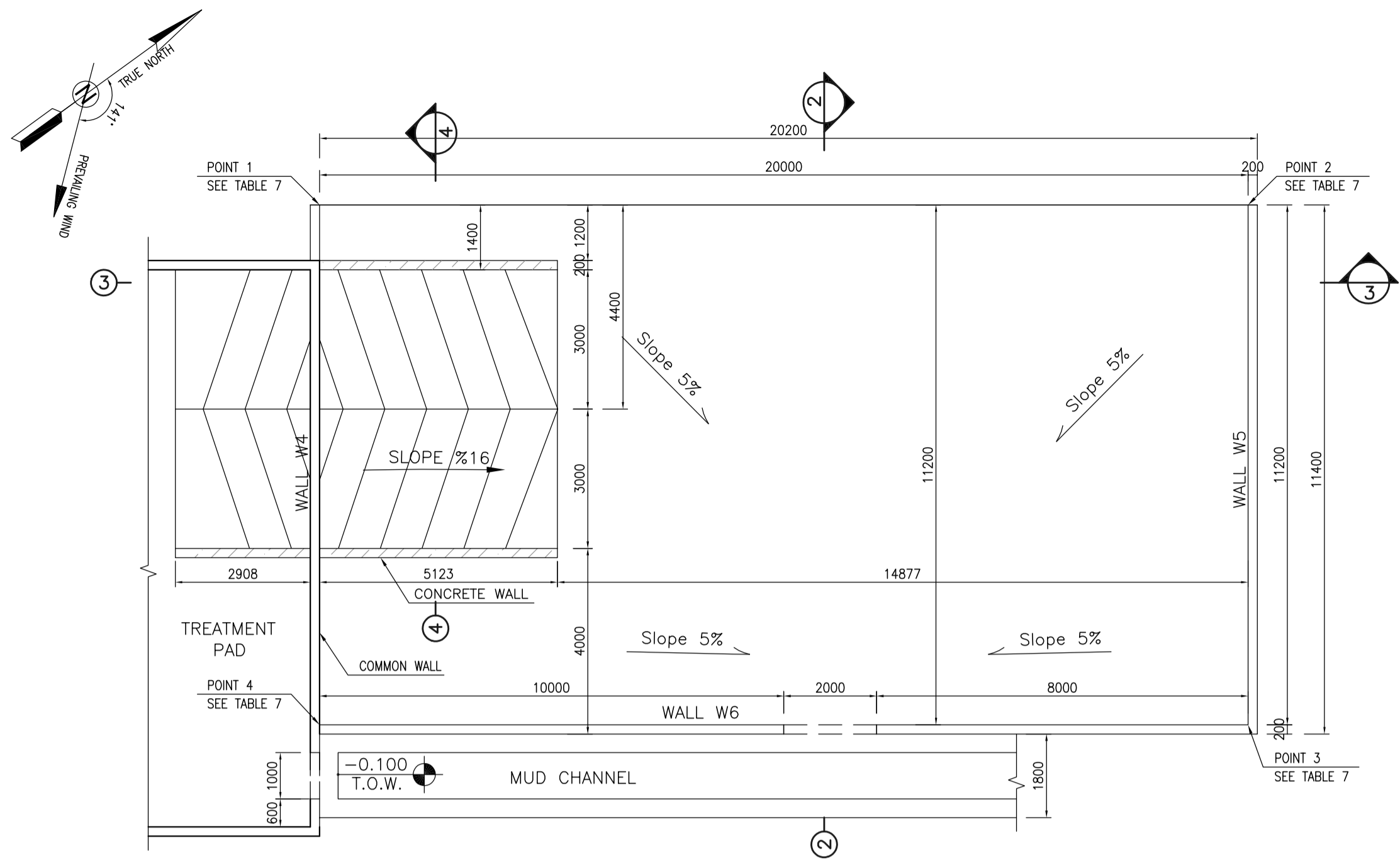
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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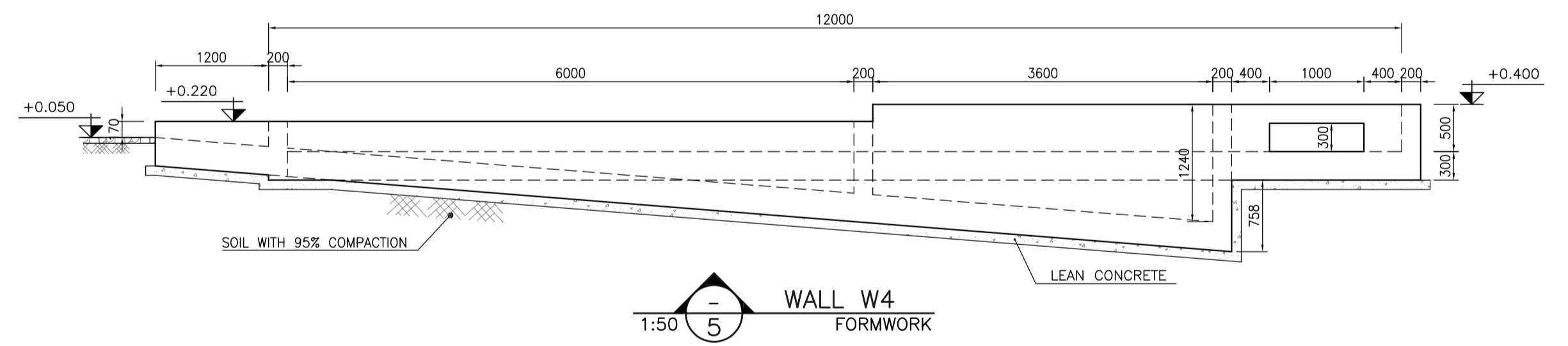
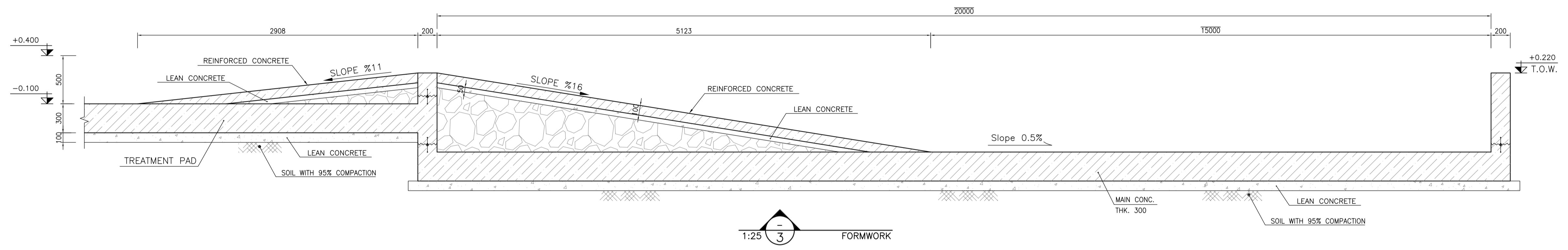
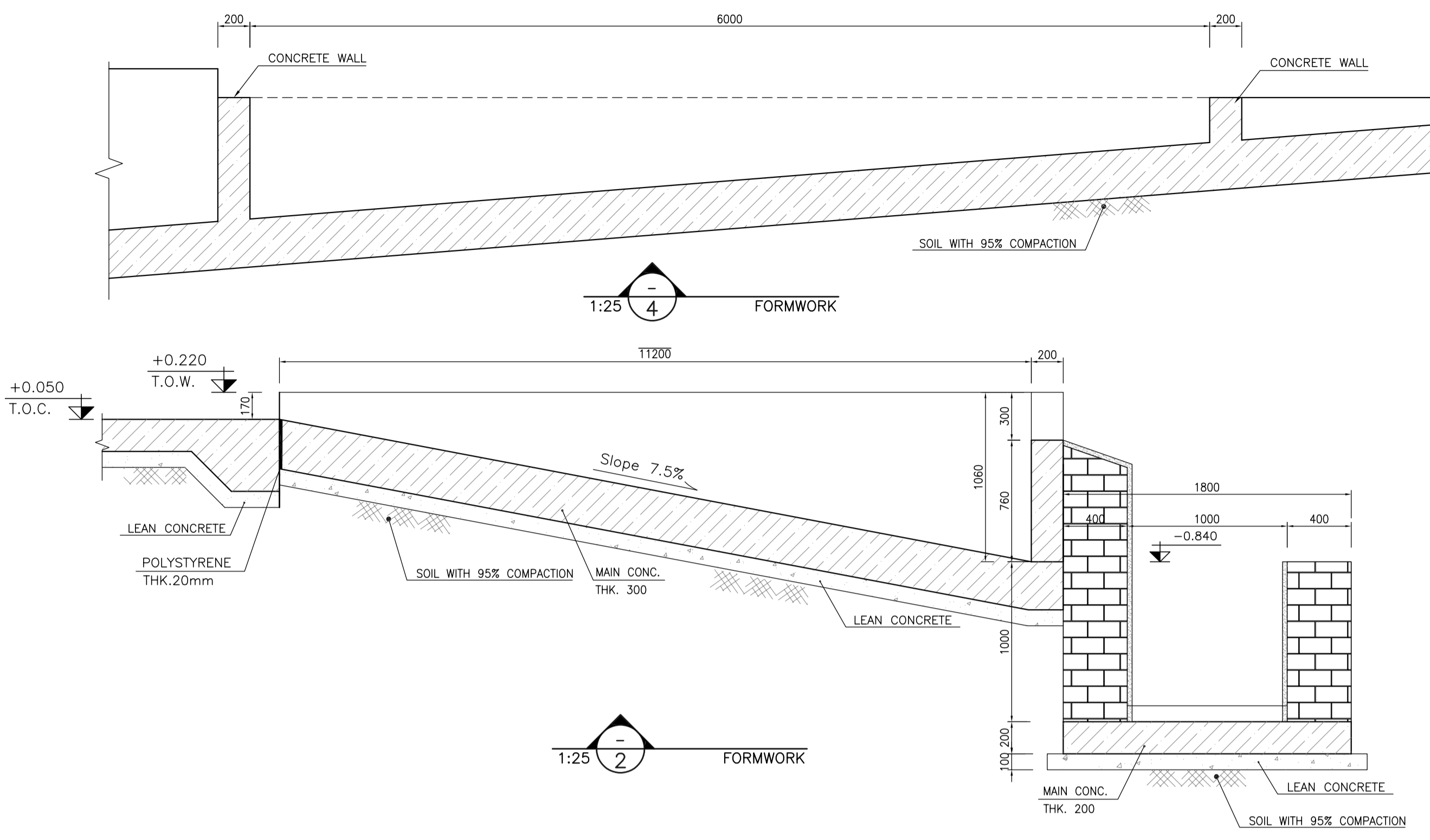
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| APPROVED FOR CONSTRUCTION | BY: | DATE: |
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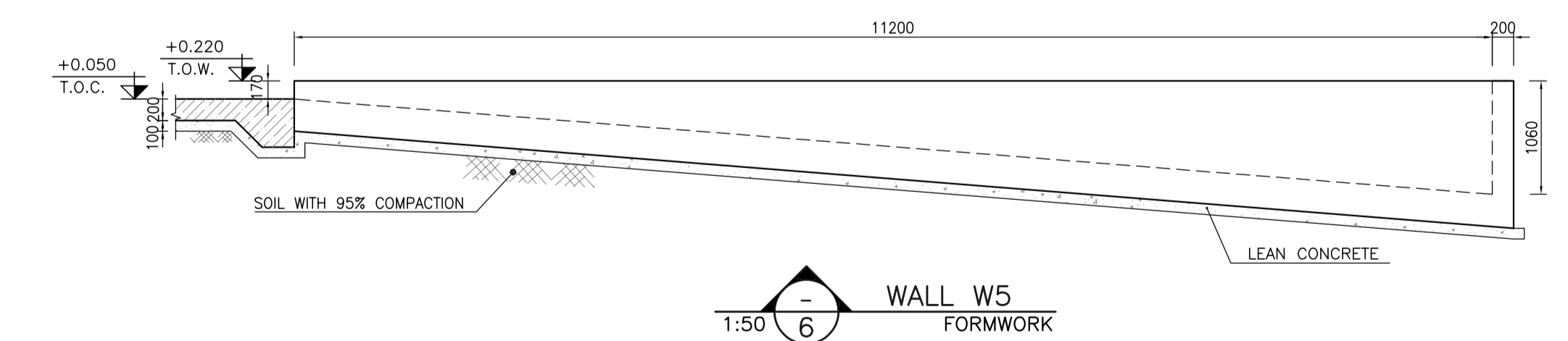
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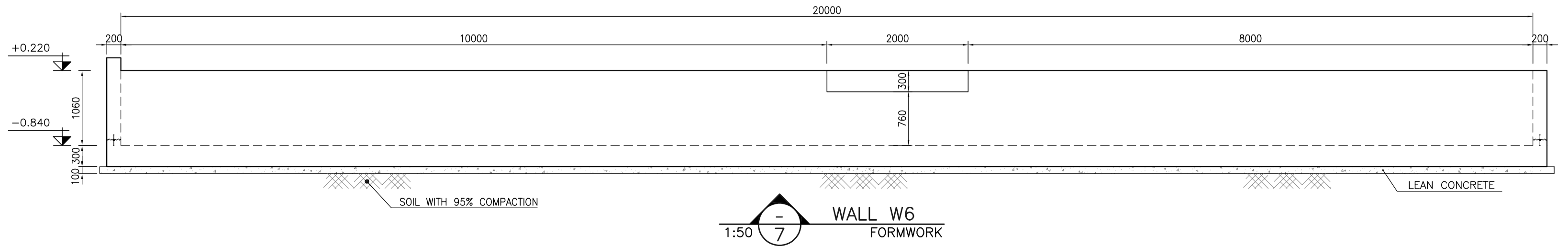
1:100 CORAL PIT PLAN FORMWORK



1:50 WALL W4 FORMWORK



1:50 WALL W5 FORMWORK



1:50 WALL W6 FORMWORK

- NOTES**
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 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |

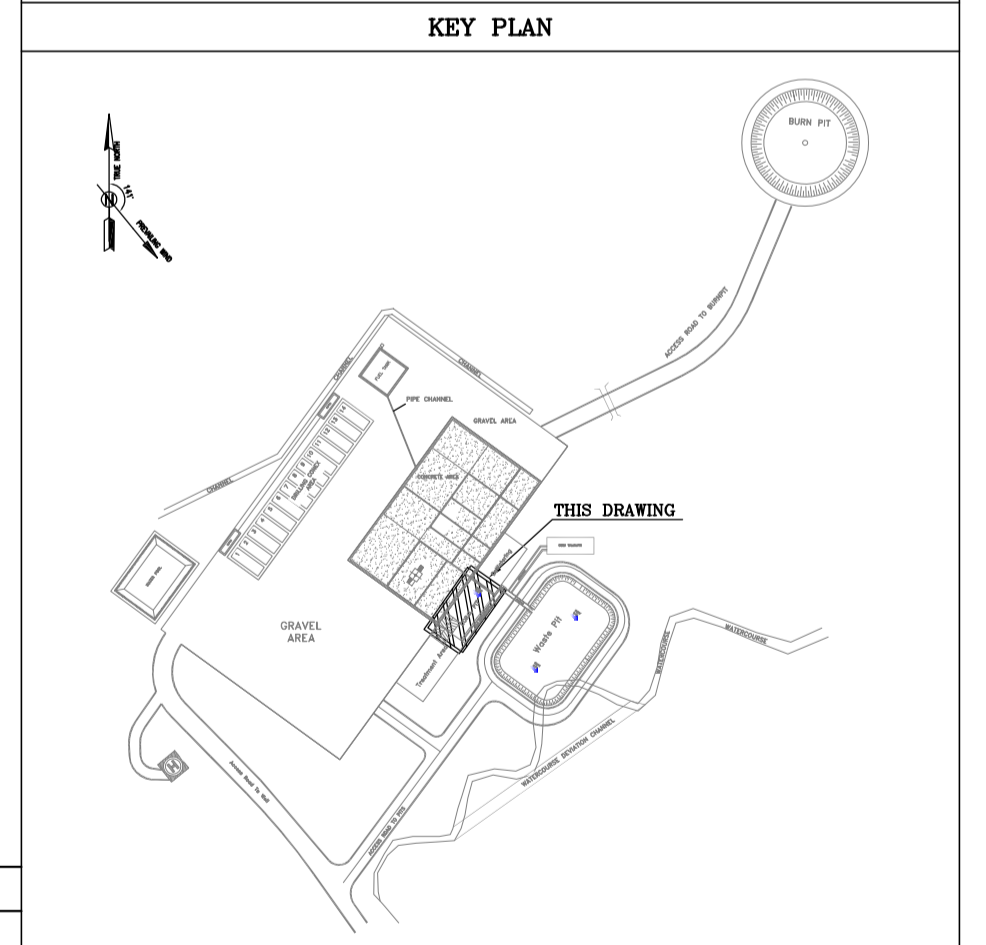


TABLE 7 (CORNERS COORDINATES)

| POINT | E | N |
|---------|--------------|---------------|
| POINT 1 | E=437133.697 | N=3293073.423 |
| POINT 2 | E=437145.451 | N=3293089.605 |
| POINT 3 | E=437154.513 | N=3293083.023 |
| POINT 4 | E=437142.759 | N=3293066.841 |

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
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| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S CORAL PIT FORMWORK - DETAIL & SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 13 OF 42 | D06 |

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

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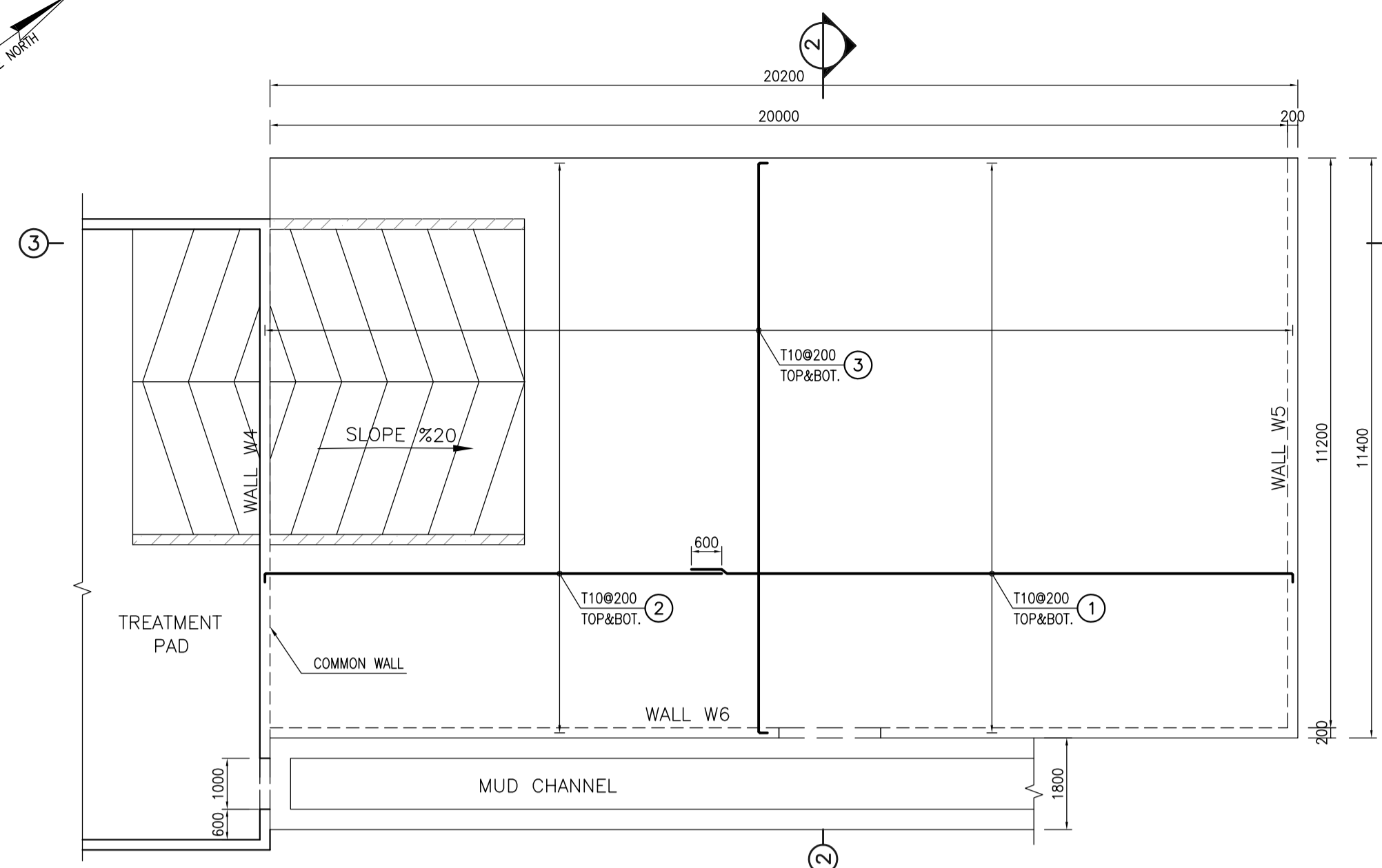
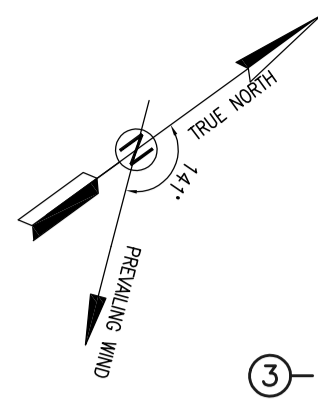
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

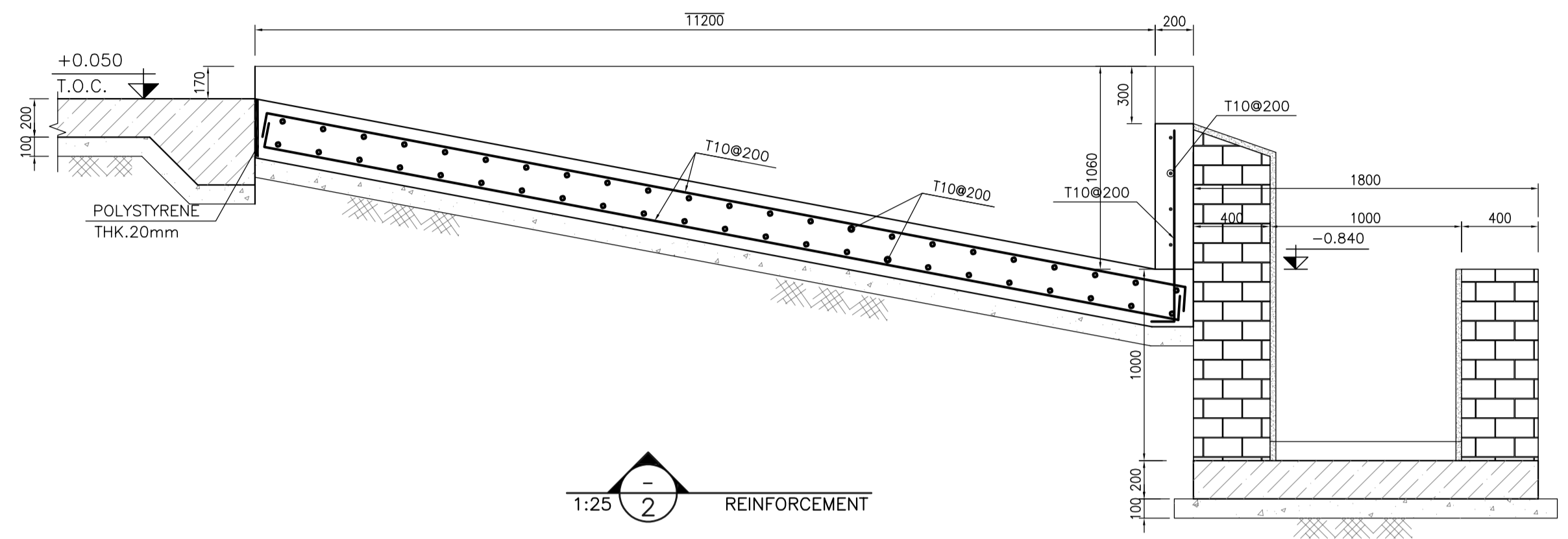
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| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET NO. | REVISION |
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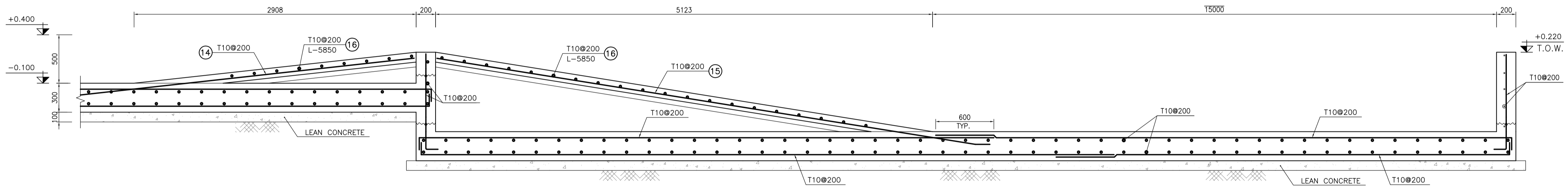
TOTALLY REVISED



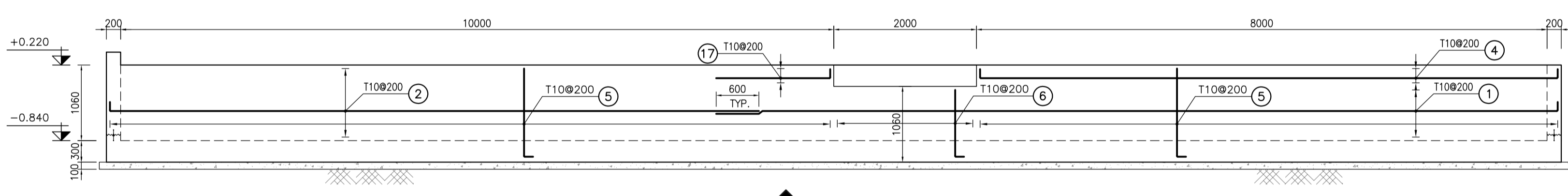
1:100 (1) CORAL PIT PLAN FORMWORK



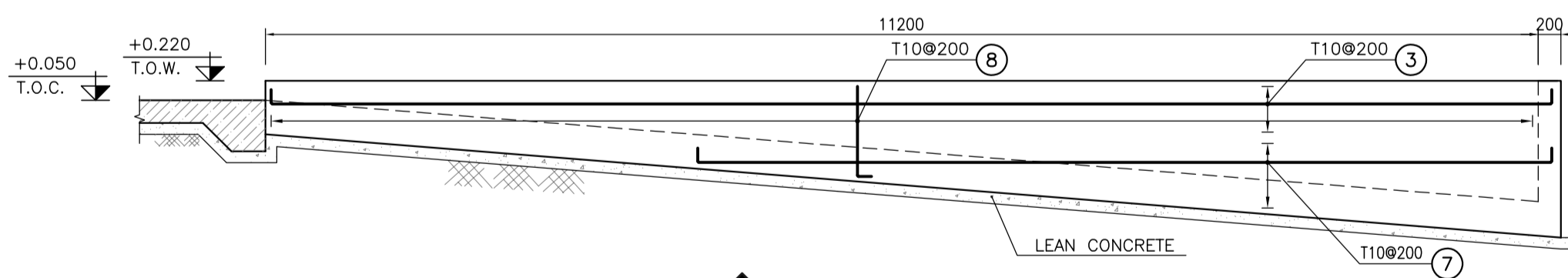
1:25 (2) REINFORCEMENT



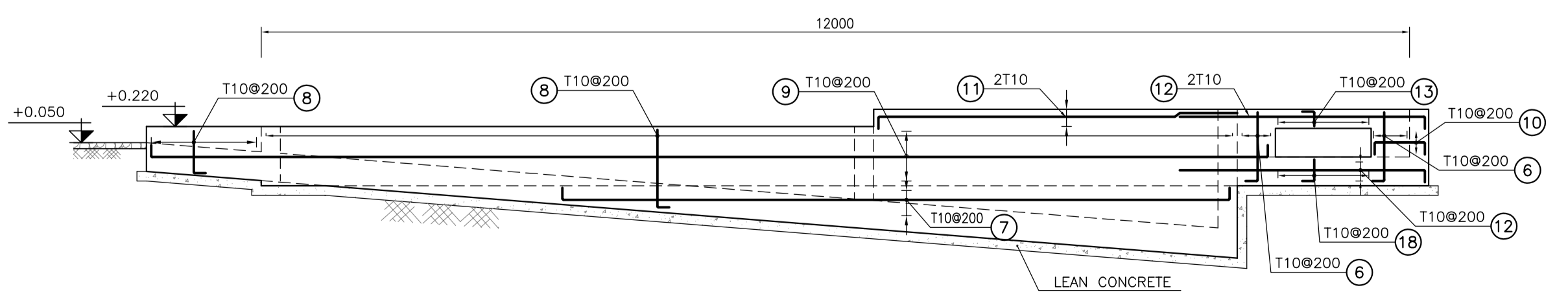
1:25 (3) REINFORCEMENT



1:50 (6) WALL W6 REINFORCEMENT



1:50 (5) WALL W5 REINFORCEMENT



1:50 (4) WALL W4 REINFORCEMENT

| BAR BENDING SCHEDULE - CORAL PIT | | | | | | |
|----------------------------------|-------|-------------------|-------|-----|---------|--|
| Pos | Spec. | Shape | L/A | No. | T10 | |
| 1 | T10 | 150 11850 | 12.00 | 118 | 1416.0 | |
| 2 | T10 | 150 9000 | 9.15 | 120 | 1098.0 | |
| 3 | T10 | 150 1125 150 | 11.55 | 207 | 2390.85 | |
| 4 | T10 | 150 8050 150 | 8.35 | 2 | 16.70 | |
| 5 | T10 | 150 1200 | 1.35 | 92 | 124.20 | |
| 6 | T10 | 150 900 | 1.05 | 26 | 27.30 | |
| 7 | T10 | 150 4000-8500 150 | VAR | 6 | 39.30 | |
| 8 | T10 | 150 650-1350 | VAR | 114 | 131.10 | |
| 9 | T10 | 150 11700 150 | 12.00 | 3 | 36.00 | |
| 10 | T10 | 150 450 150 | 0.75 | 2 | 1.50 | |
| 11 | T10 | 150 3750 | 3.90 | 2 | 7.80 | |
| 12 | T10 | 150 255 | 2.70 | 4 | 10.80 | |
| 13 | T10 | 100 100 100 | 0.30 | 6 | 1.80 | |
| 14 | T10 | 200 3800 | 4.00 | 30 | 120.0 | |
| 15 | T10 | 200 5700 | 5.90 | 30 | 177.0 | |
| 16 | T10 | 150 5850 150 | 6.15 | 38 | 233.70 | |
| 17 | T10 | 150 1650 | 1.80 | 2 | 3.60 | |
| 18 | T10 | 150 2250 | 2.40 | 2 | 5.60 | |
| TOTAL LENGTH OR AREA (m) | | | | | 5831.25 | |
| UNIT WEIGHT (Kg/m) | | | | | 0.617 | |
| WEIGHT (Kg) | | | | | 3597.88 | |
| GRAND TOTAL (Kg) | | | | | 3600 | |

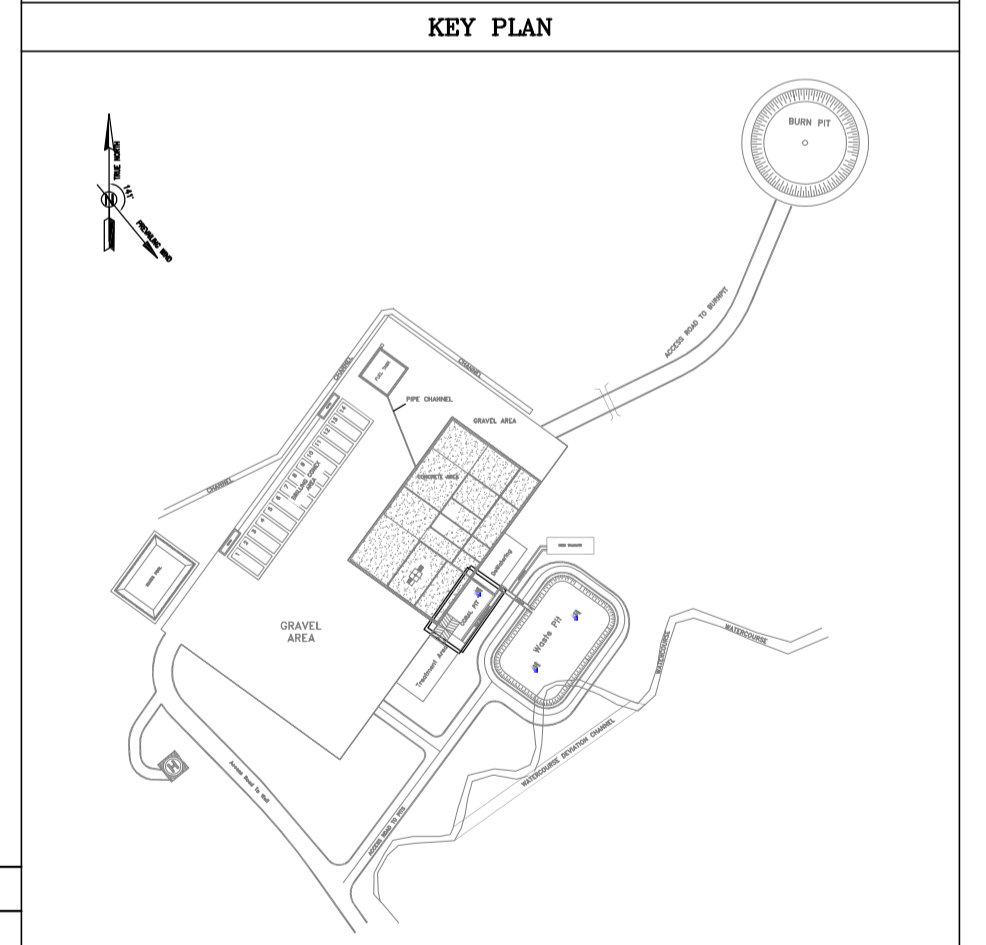
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LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
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| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| SPECIFICATION FOR FENCE & GATE | DRG. No. |
|--|------------------------------|
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
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| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
PROJECT NO.: 971020
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PEDCO PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S CORAL PIT REINFORCEMENT - DETAIL & SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. | BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|----------|------|------------------------------|-----------|------|--------------|----------|------|-------|------------|-------|----------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 14 OF 42 | D06 | 053-073-9184 | F | 4 | S | 707548 | 14 | D06 |

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

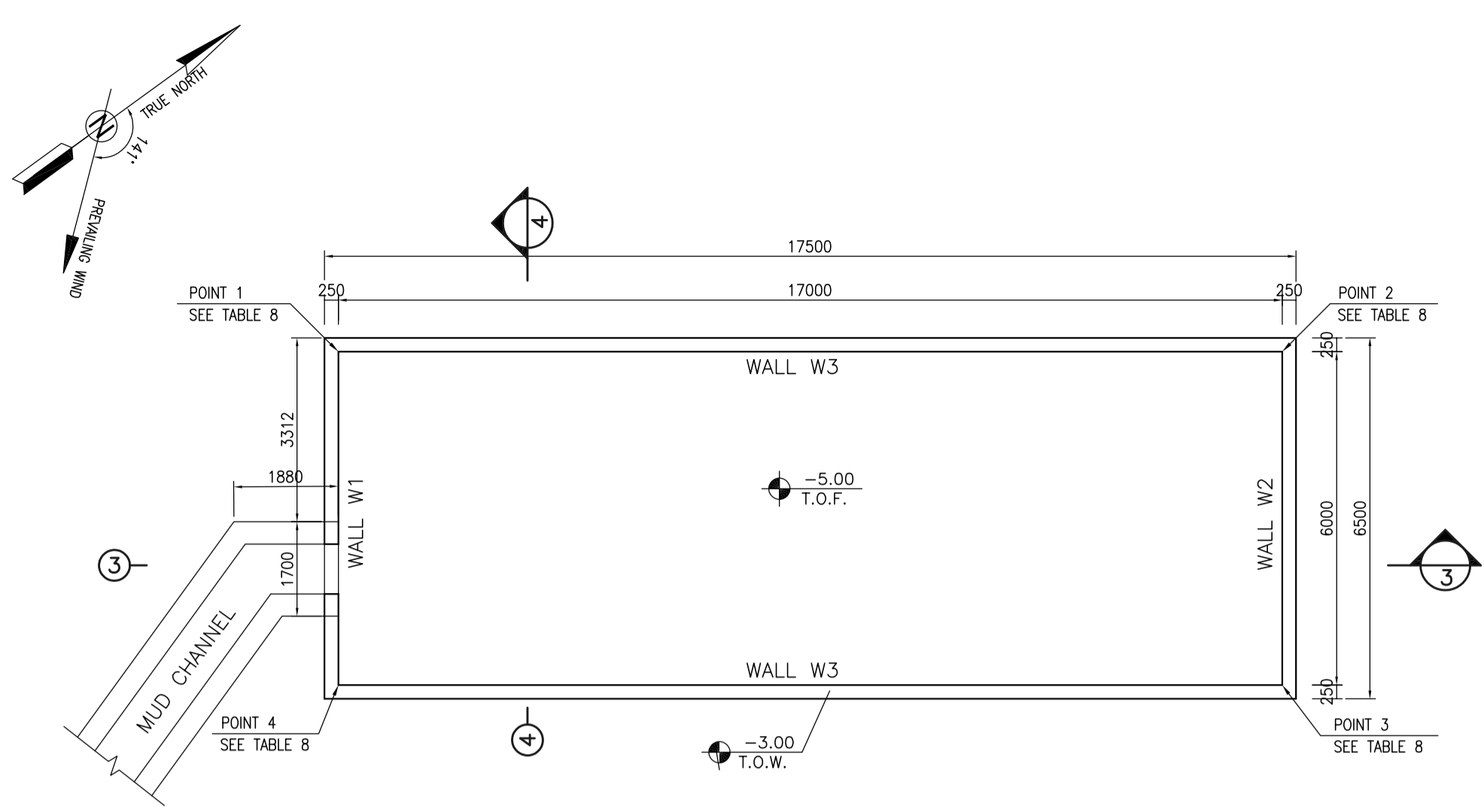
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

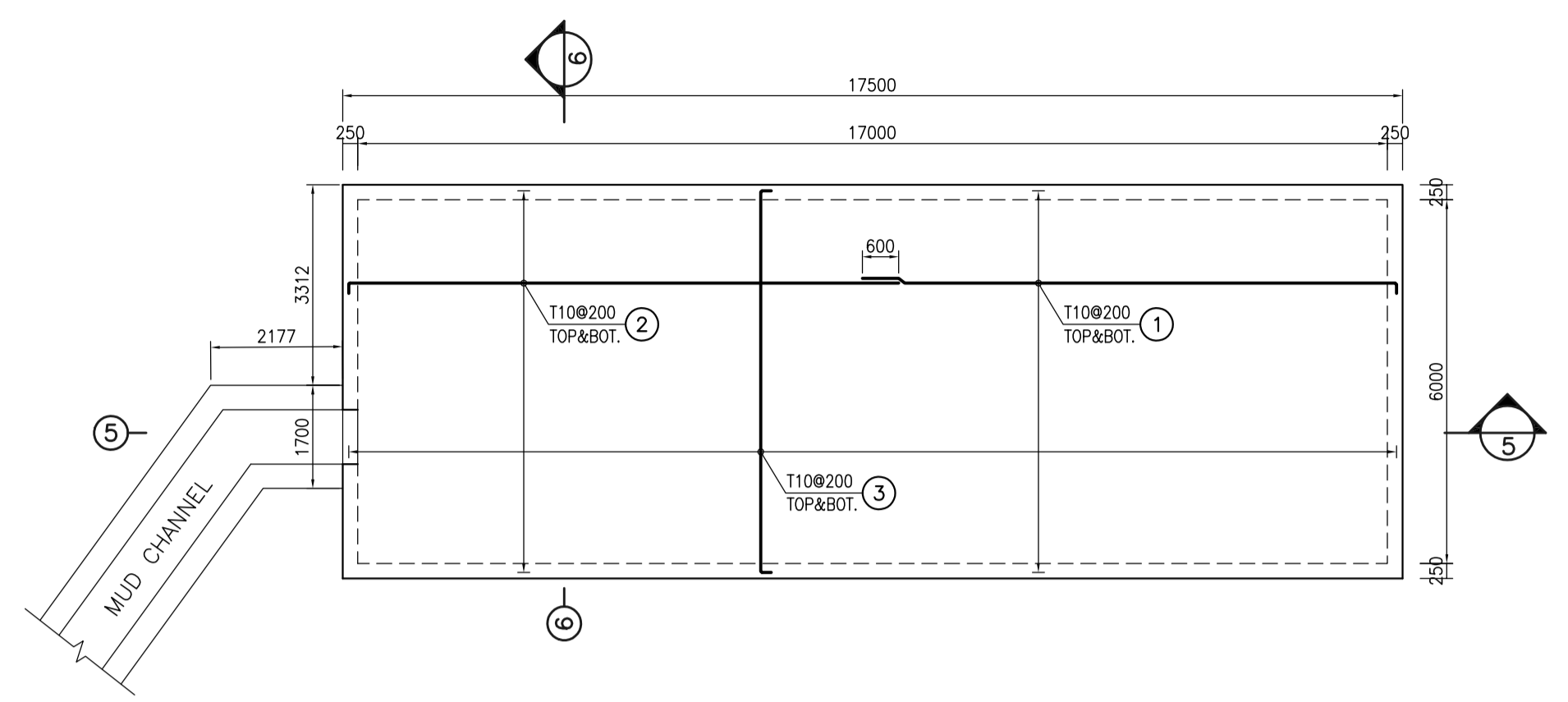
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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



1:100 (1) OBM WASTE PIT PLAN FORMWORK



1:100 (2) OBM WASTE PIT PLAN REINFORCEMENT

| POINT | E | N |
|---------|--------------|---------------|
| POINT 1 | E=437173.655 | N=3293104.379 |
| POINT 2 | E=437190.655 | N=3293104.379 |
| POINT 3 | E=437190.655 | N=3293098.379 |
| POINT 4 | E=437173.655 | N=3293098.379 |

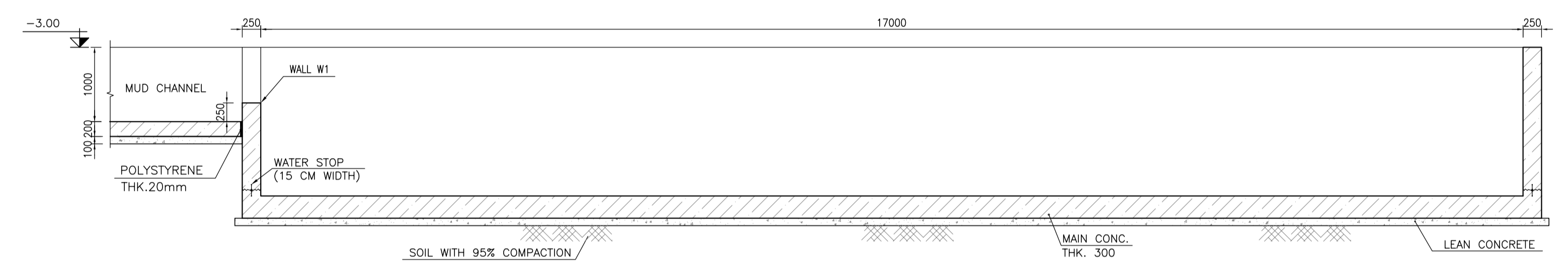
- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- 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: MSL

±0.00 = +31.00(R.G.L.)MSL

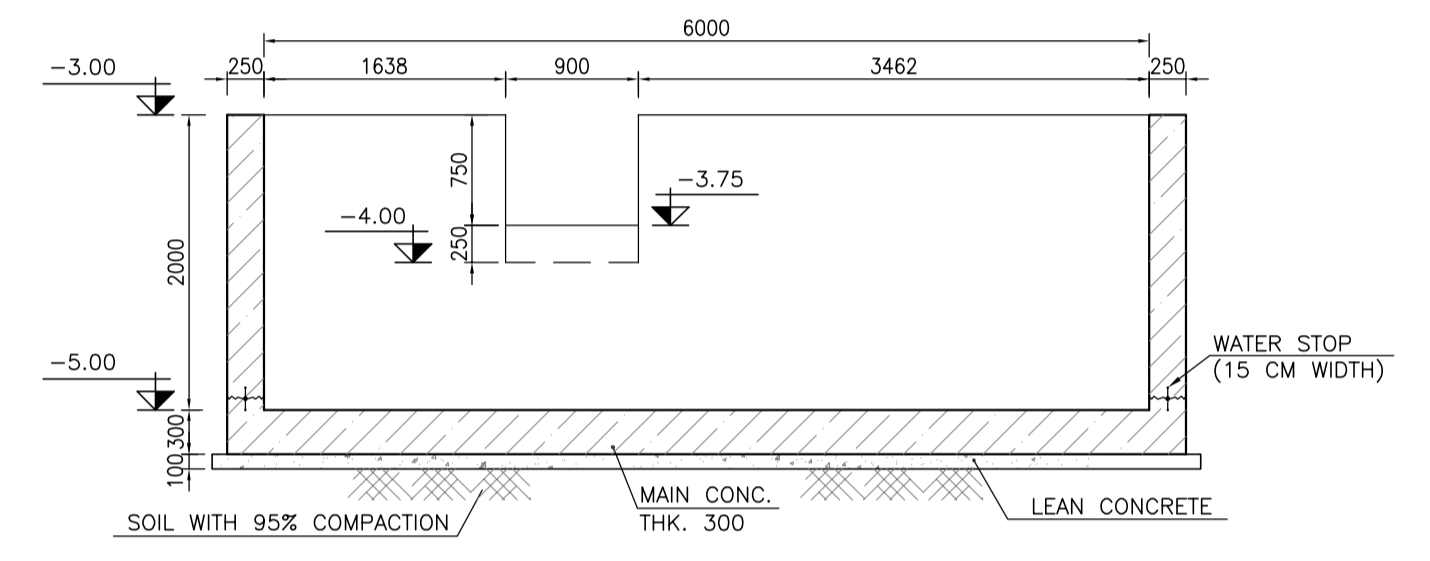
LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

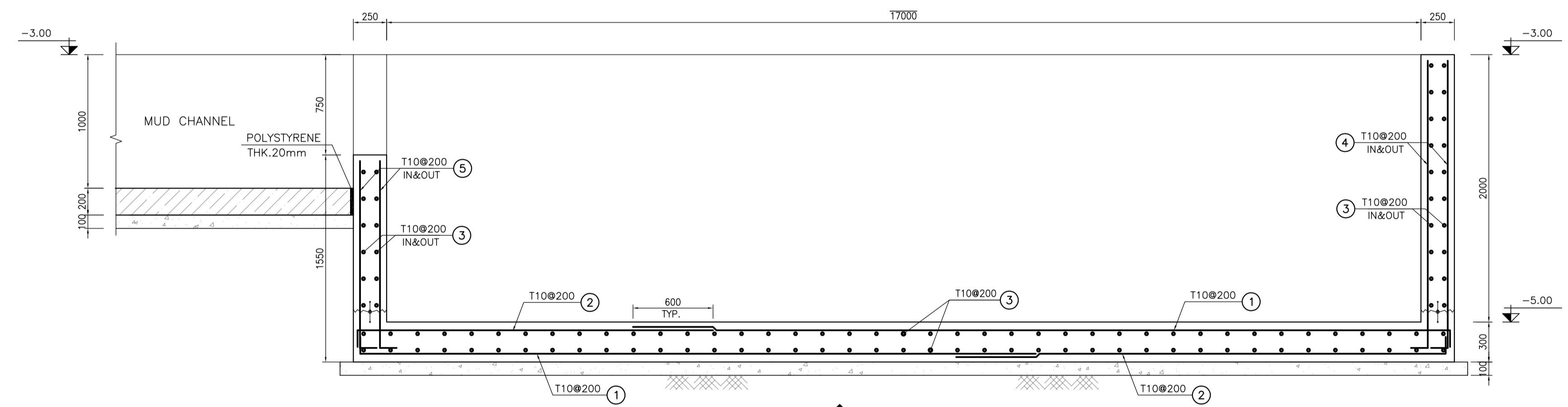
| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



1:50 (3) FORMWORK

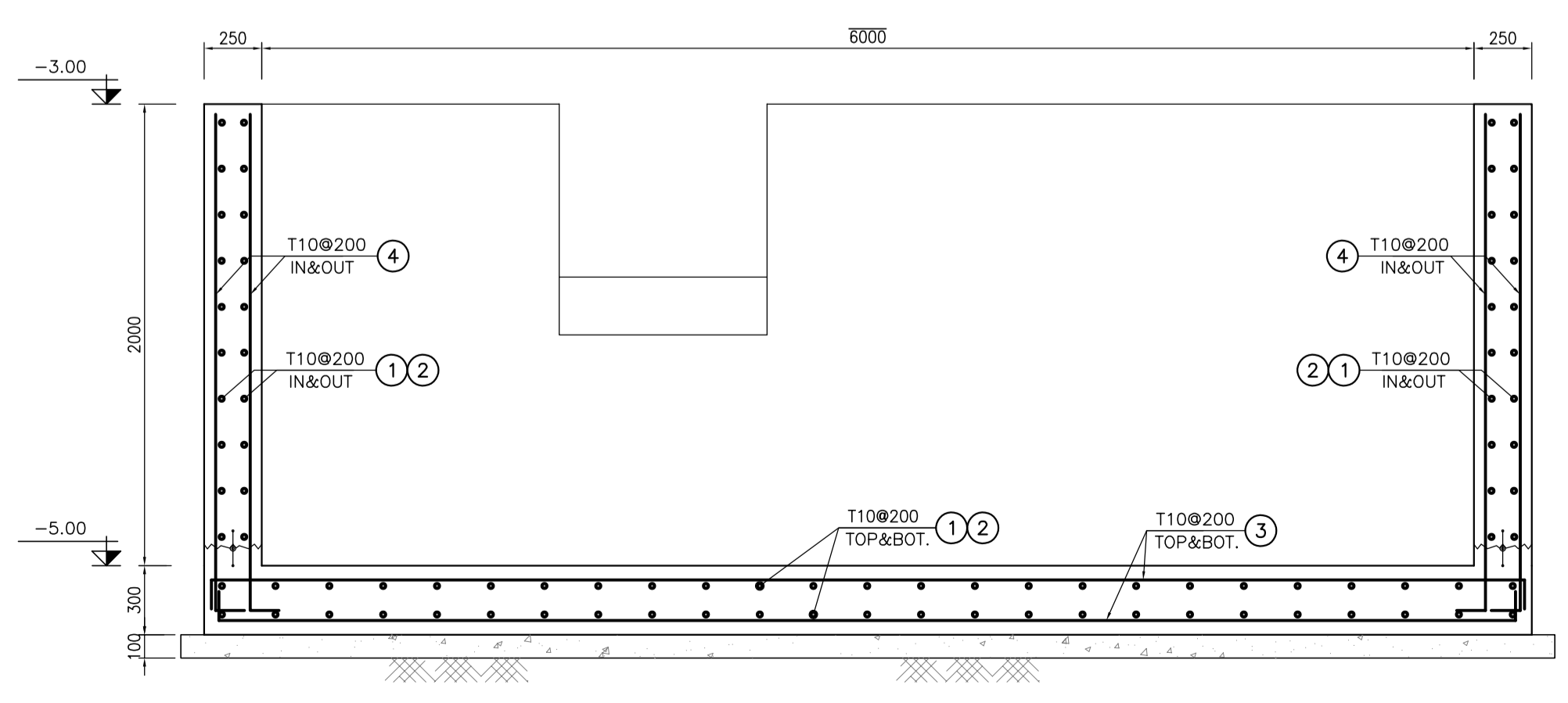
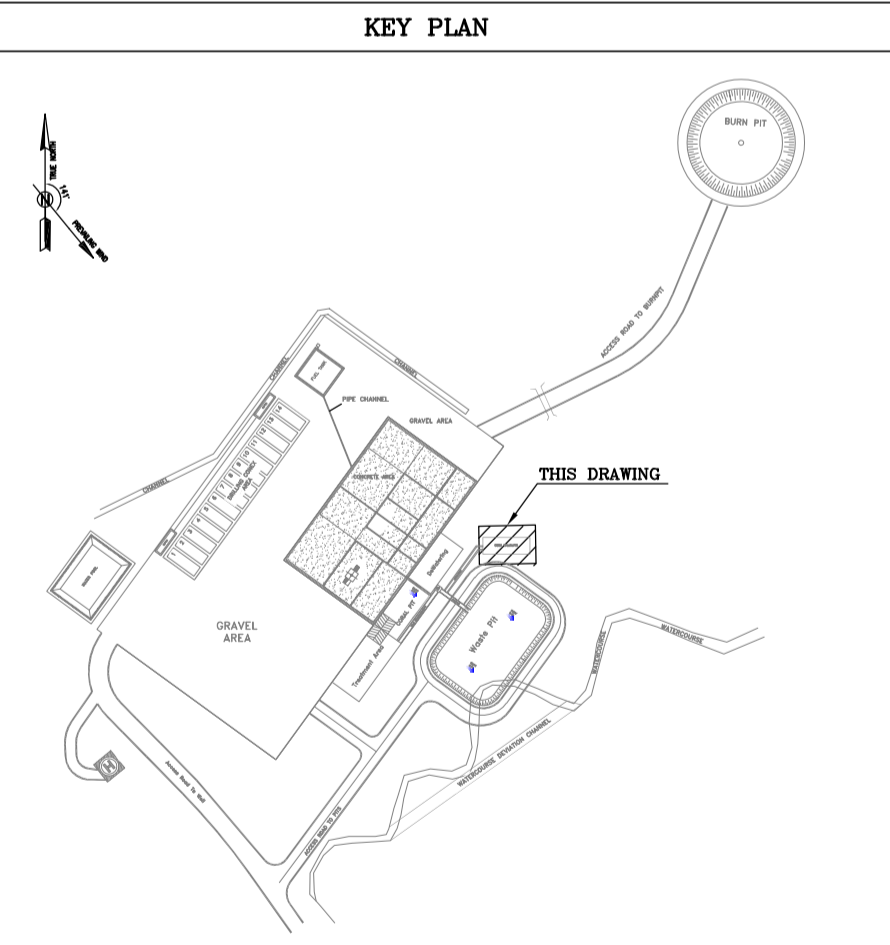


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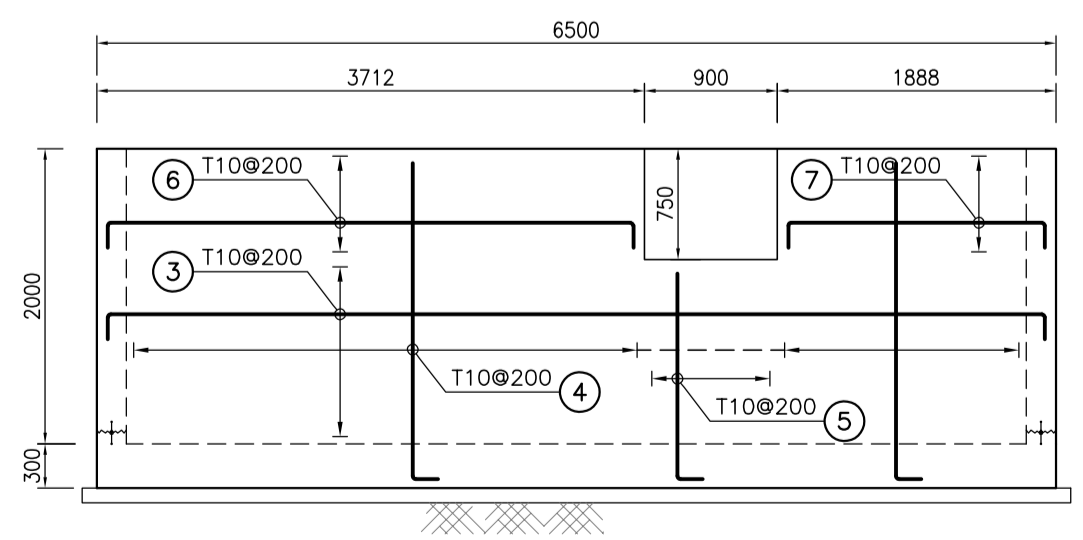


1:25 (5) REINFORCEMENT

| Pos | Spec. | Shape | L/A | No. | T10 |
|--------------------------|-------|--------------|-------|-----|--------|
| 1 | T10 | 150 11850 | 12.00 | 104 | 1248.0 |
| 2 | T10 | 150 6100 | 6.25 | 104 | 650.0 |
| 3 | T10 | 150 6350 150 | 6.65 | 206 | 1369.9 |
| 4 | T10 | 150 2150 | 2.30 | 224 | 515.2 |
| 5 | T10 | 150 1400 | 1.55 | 10 | 15.5 |
| 6 | T10 | 150 3600 150 | 3.90 | 8 | 31.20 |
| 7 | T10 | 150 1750 150 | 2.05 | 8 | 16.40 |
| TOTAL LENGTH OR AREA (m) | | | | | 3846.2 |
| UNIT WEIGHT (Kg/m) | | | | | 0.617 |
| WEIGHT (Kg) | | | | | 2373.1 |
| GRAND TOTAL (Kg) | | | | | 2380 |



1:25 (6) REINFORCEMENT



1:50 (7) WALL W1 REINFORCEMENT

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAK | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S OBM WASTE PIT FORMWORK & REINFORCEMENT-SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 15 OF 42 | D06 |

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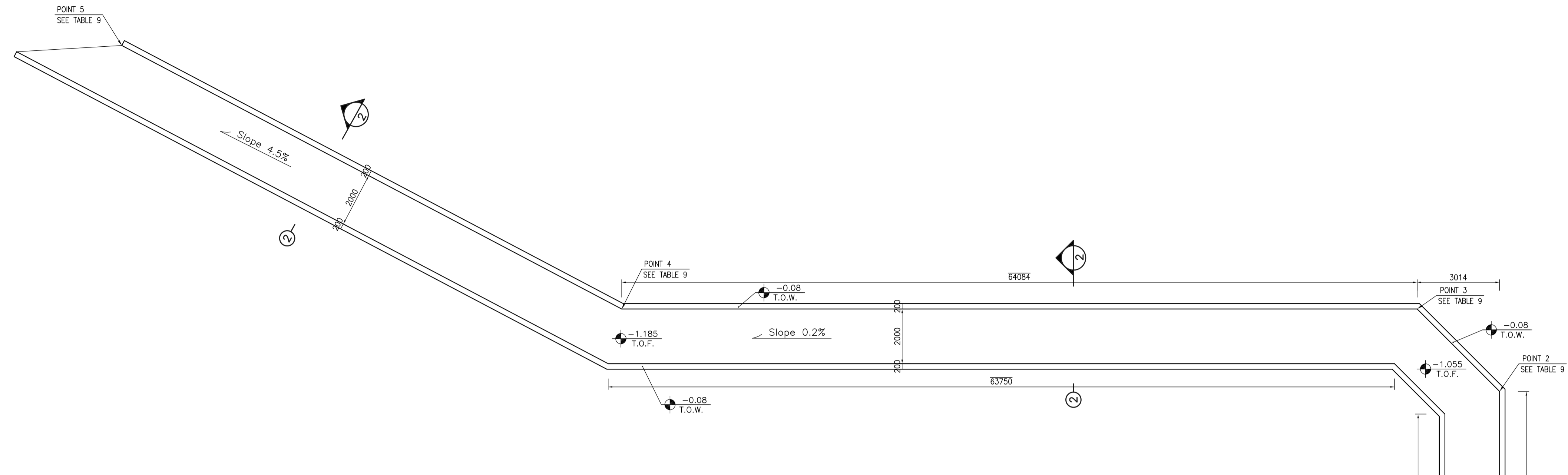
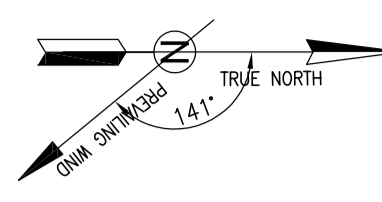
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

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

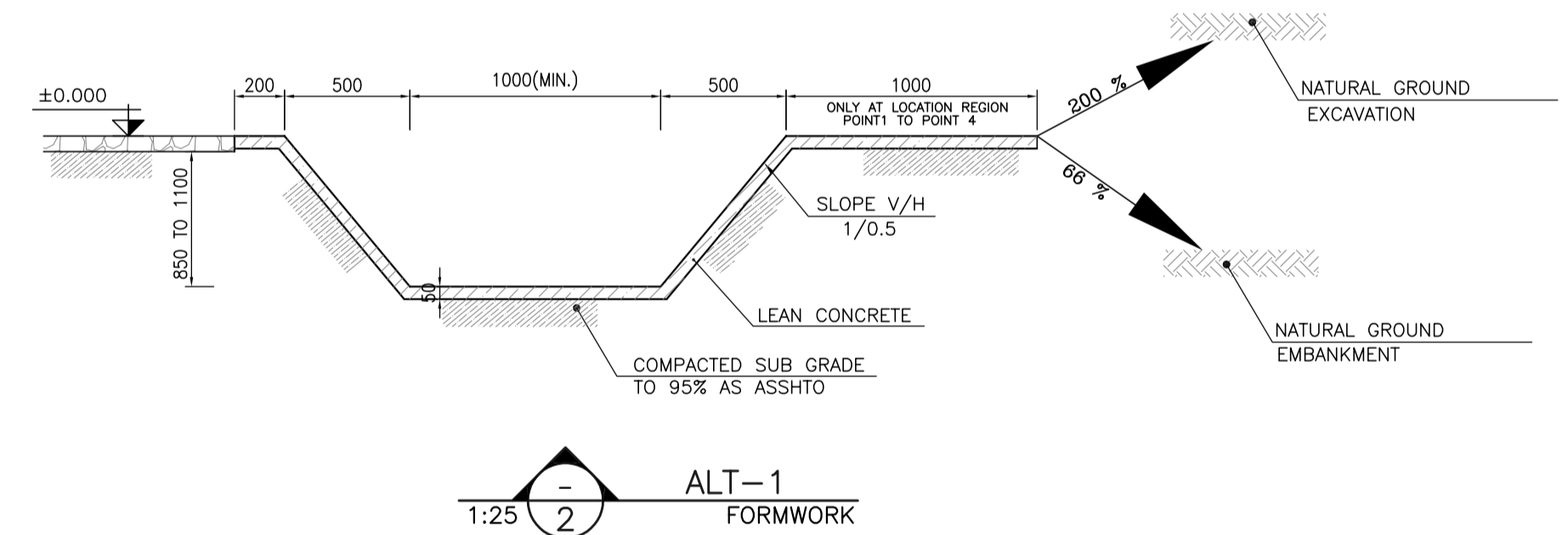
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

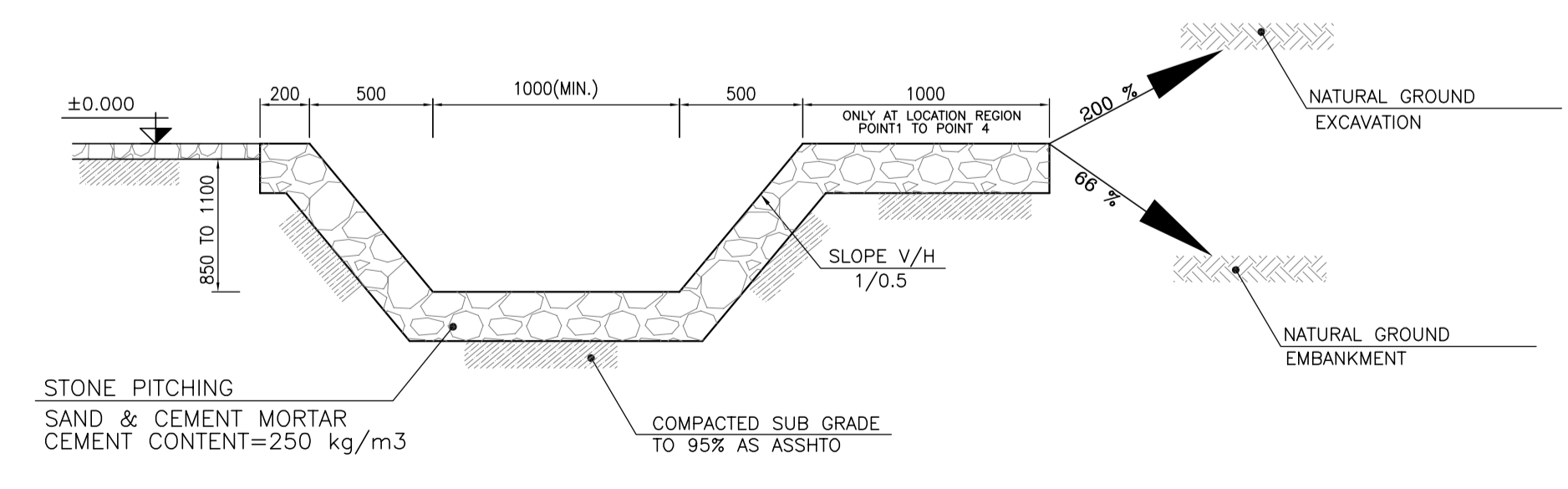
| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 15 | D06 |



1:100 WATER CHANNEL PLAN



1:25 ALT-1 FORMWORK



1:25 ALT-2 FORMWORK

| POINT | E | N |
|---------|--------------|---------------|
| POINT 1 | E=437168.562 | N=3293150.498 |
| POINT 2 | E=437118.156 | N=3293187.110 |
| POINT 3 | E=437113.945 | N=3293186.443 |
| POINT 4 | E=437076.284 | N=3293134.594 |
| POINT 5 | E=437035.308 | N=3293114.433 |

- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- 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: MSL

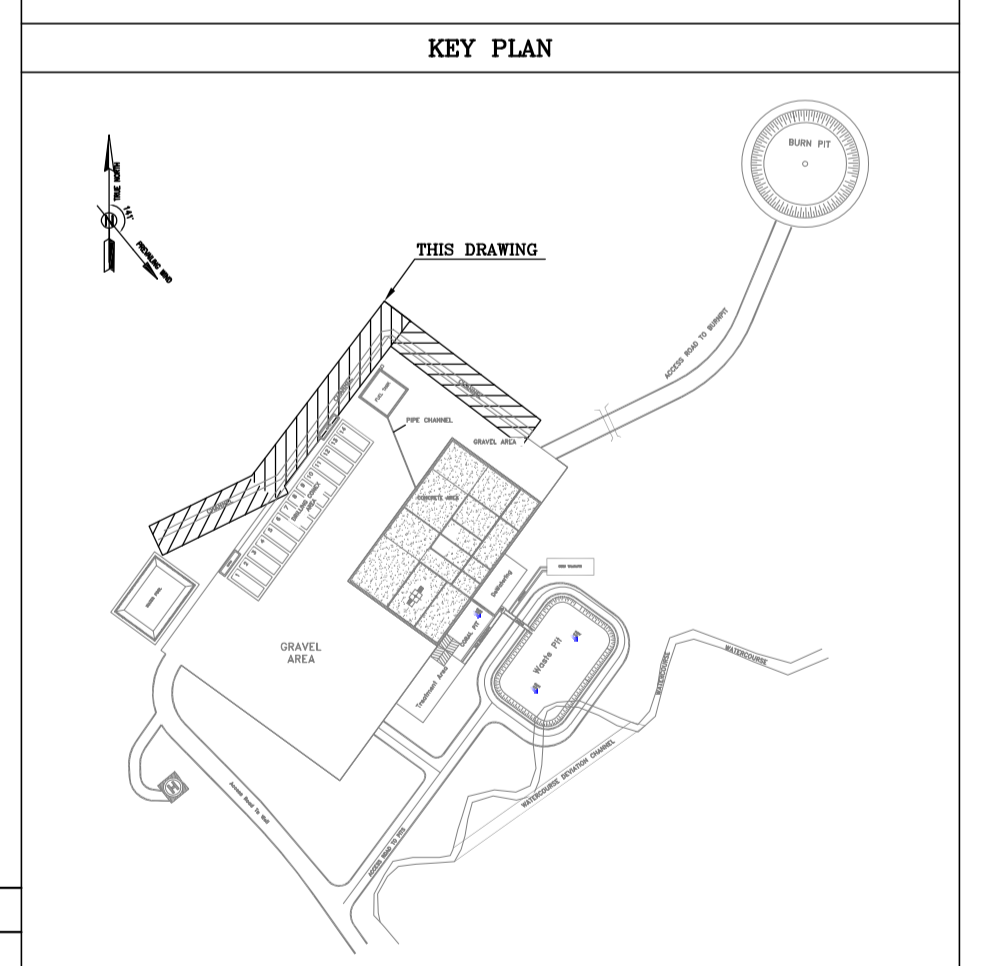
±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S WATER CHANNEL FORMWORK PLAN-SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 16 OF 42 | D06 |

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

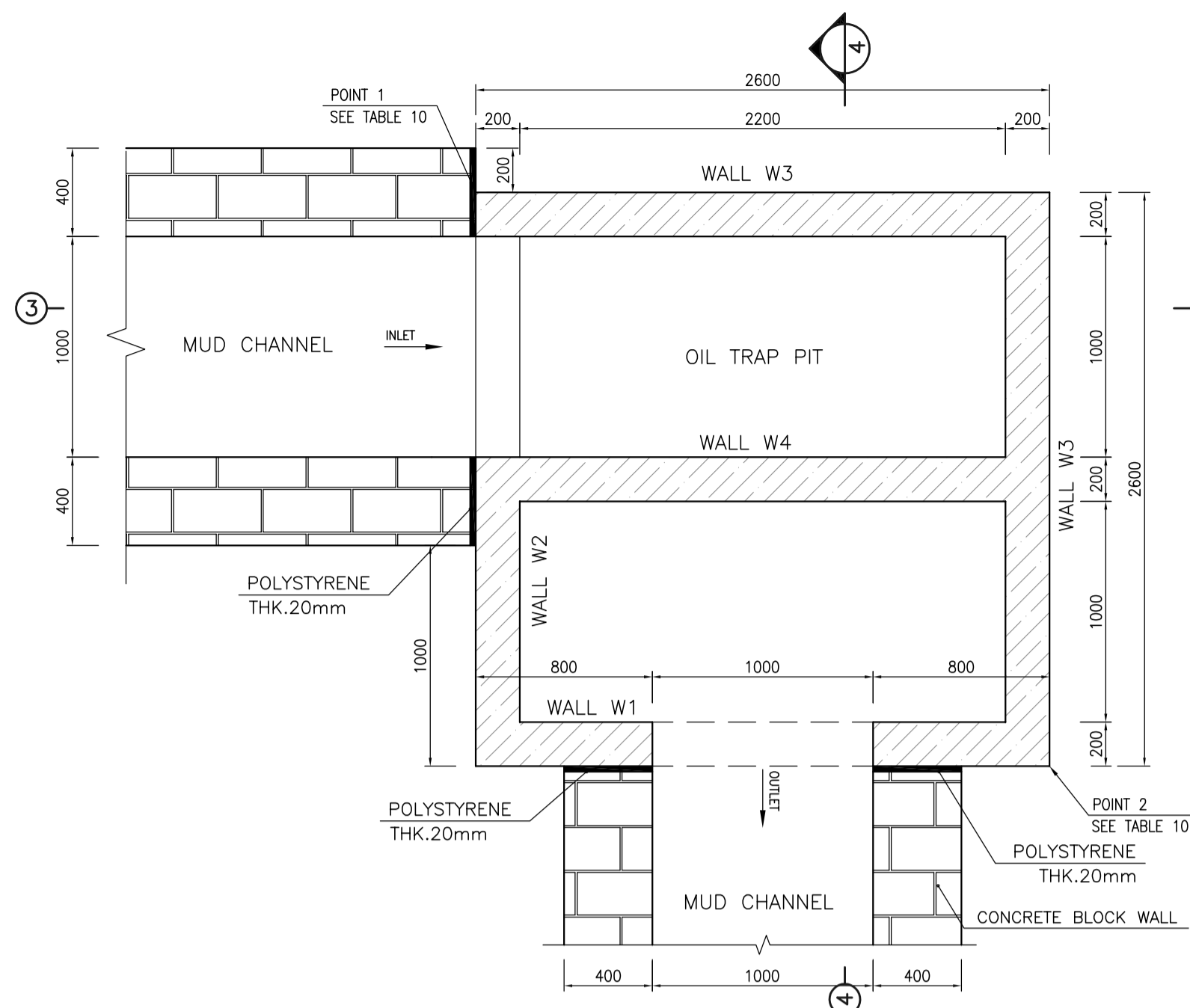
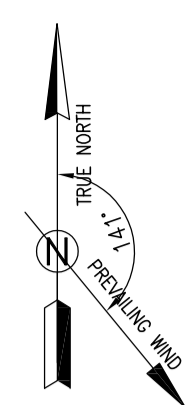
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
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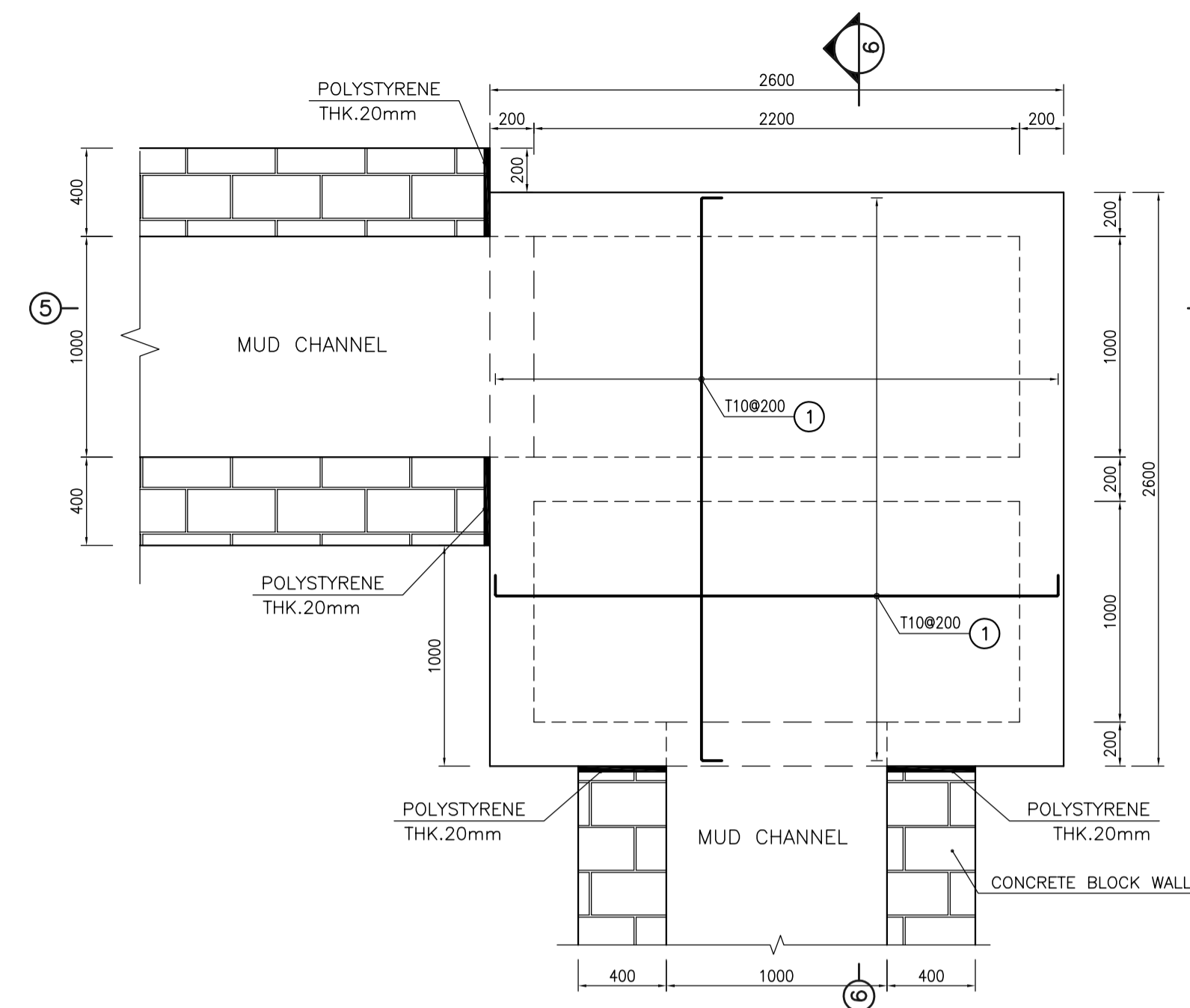
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 16 | D06 |



1:25 (1) OIL TRAP PIT PLAN FORMWORK



1:25 (2) OIL TRAP PIT PLAN REINFORCEMENT

TABLE 10
(CORNERS COORDINATES)

| | | |
|---------|--------------|---------------|
| POINT 1 | E=437156.364 | N=3293084.891 |
| POINT 2 | E=437159.996 | N=3293085.467 |

BAR BENDING SCHEDULE - OIL TRAP PIT

| Pos | Spec. | Shape | L/A | No. | T10 |
|--|-------|--------------|------|-----|--------|
| 1 | T10 | 150x2450x150 | 2.75 | 90 | 247.50 |
| 2 | T10 | 150x3050 | 3.20 | 40 | 128.0 |
| 3 | T10 | 150x2050 | 2.20 | 5 | 11.0 |
| 4 | T10 | 150x1550 | 1.70 | 5 | 8.50 |
| 5 | T10 | 2250 | 2.25 | 10 | 22.50 |
| 6 | T10 | 350 | 0.35 | 5 | 1.75 |
| 7 | T10 | 150x1250x150 | 1.55 | 3 | 4.65 |
| 8 | T10 | 150x650x150 | 0.95 | 10 | 9.50 |
| TOTAL LENGTH OR AREA (m/m ²) | | | | | 433.40 |
| UNIT WEIGHT (Kg) | | | | | 0.617 |
| WEIGHT (Kg) | | | | | 267.40 |
| GRAND TOTAL (Kg) | | | | | 270 |

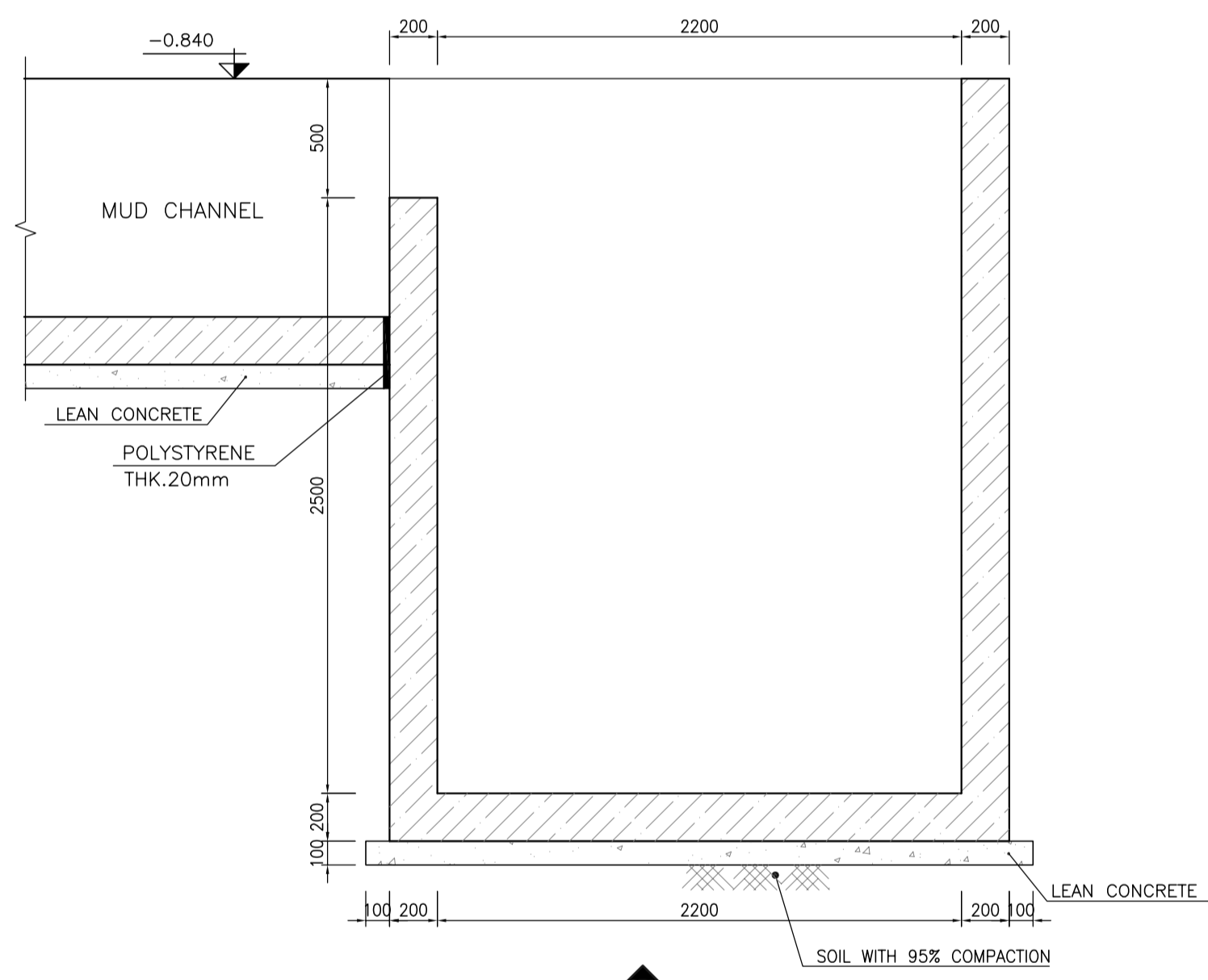
- NOTES
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 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
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 - REINFORCING BARS SHALL BE S400 ACCORDING TO ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
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 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

LEGEND AND ABBREVIATION

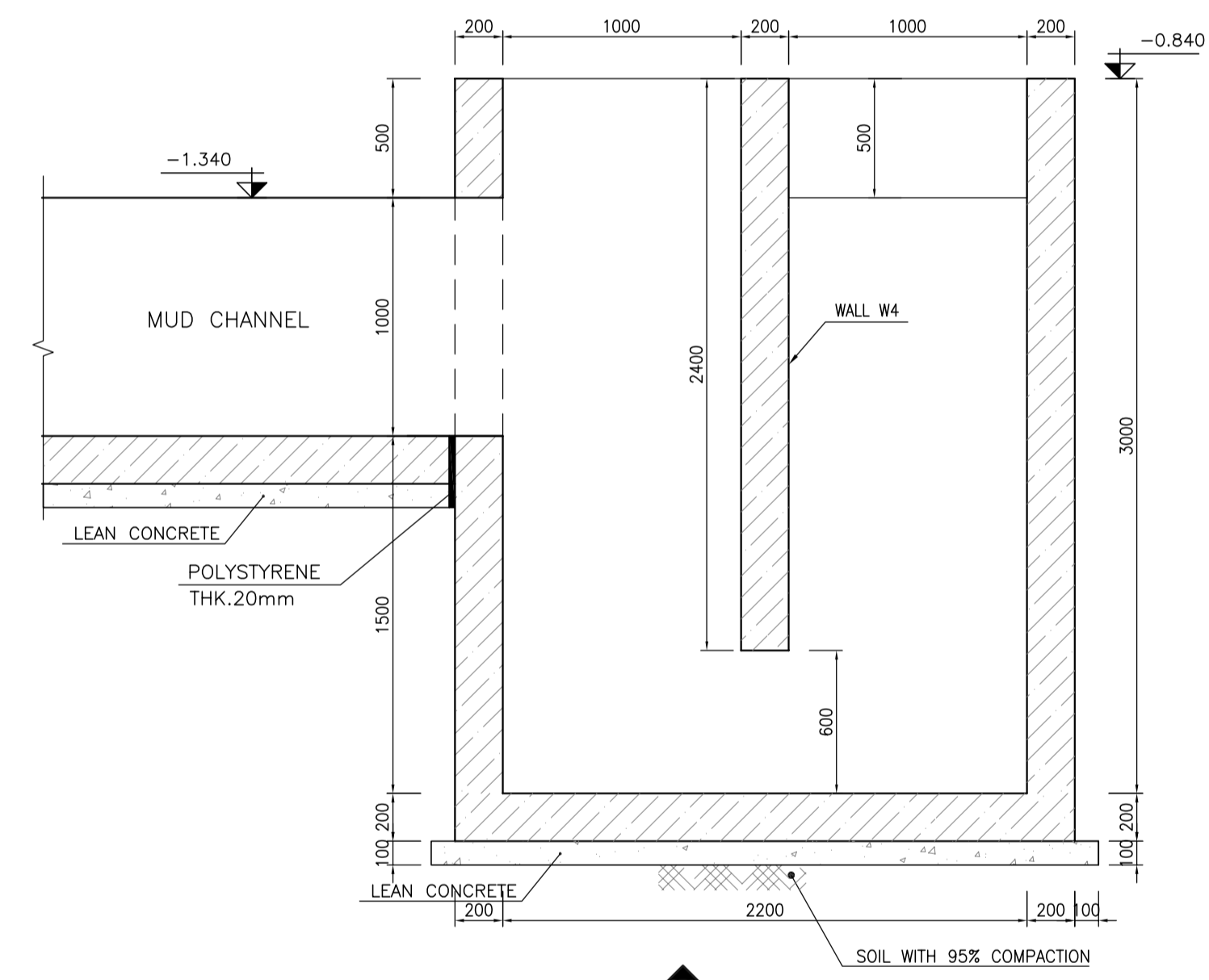
| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

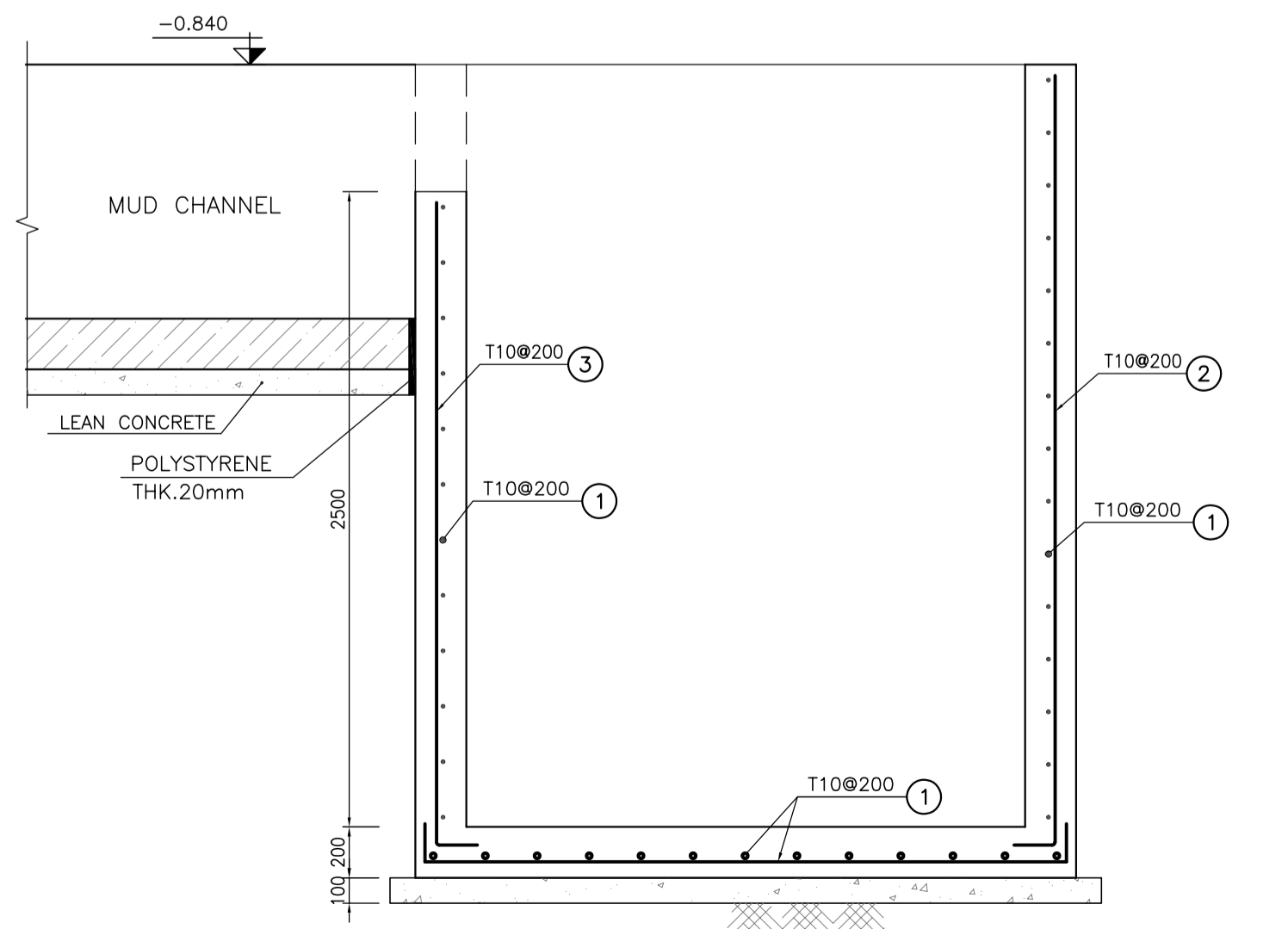
| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
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| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



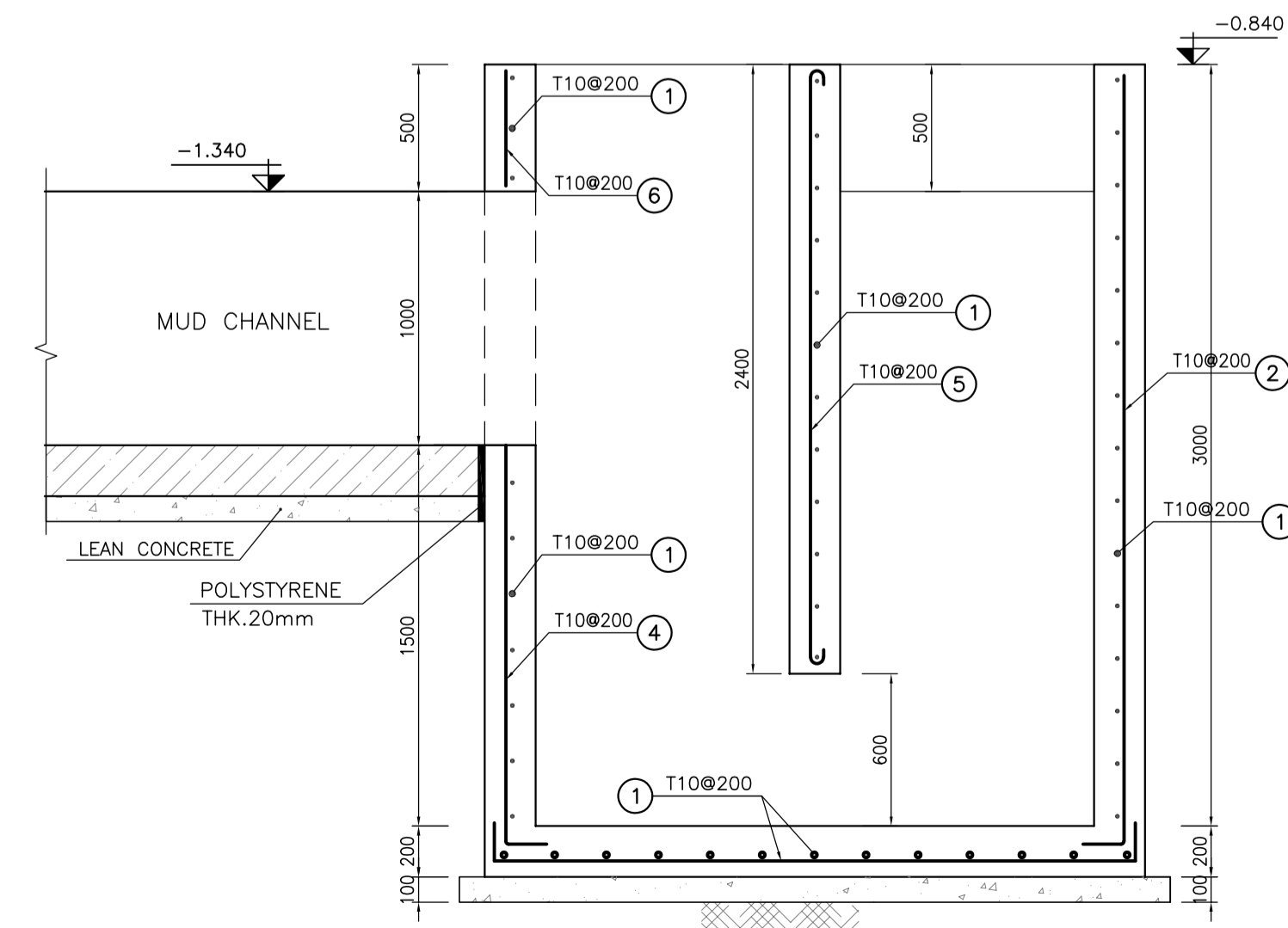
1:25 (3) FORMWORK



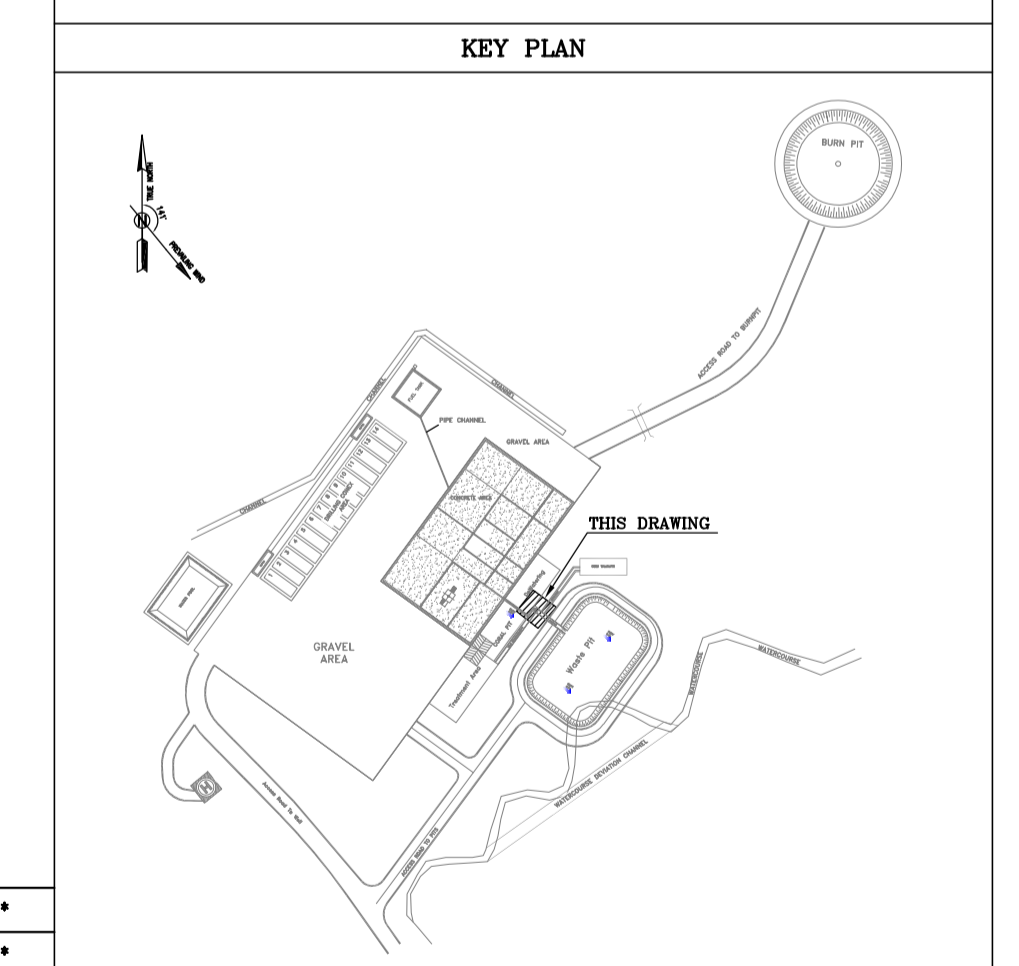
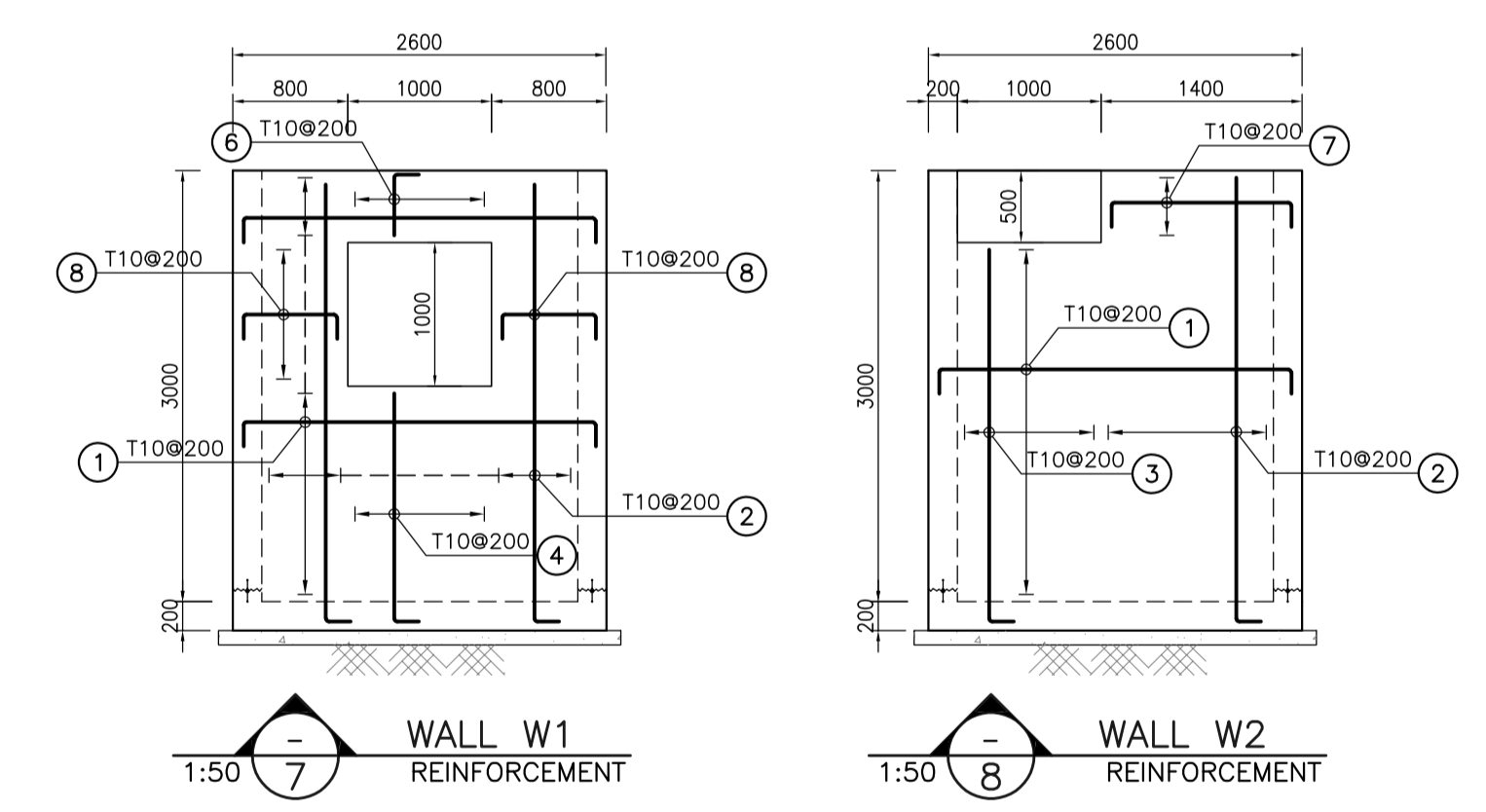
1:25 (4) FORMWORK



1:25 (5) REINFORCEMENT



1:25 (6) REINFORCEMENT



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S OIL TRAP PIT FORMWORK & REINFORCEMENT PLAN-SECTIONS

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 17 OF 42 | D06 |

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 17 | D06 |

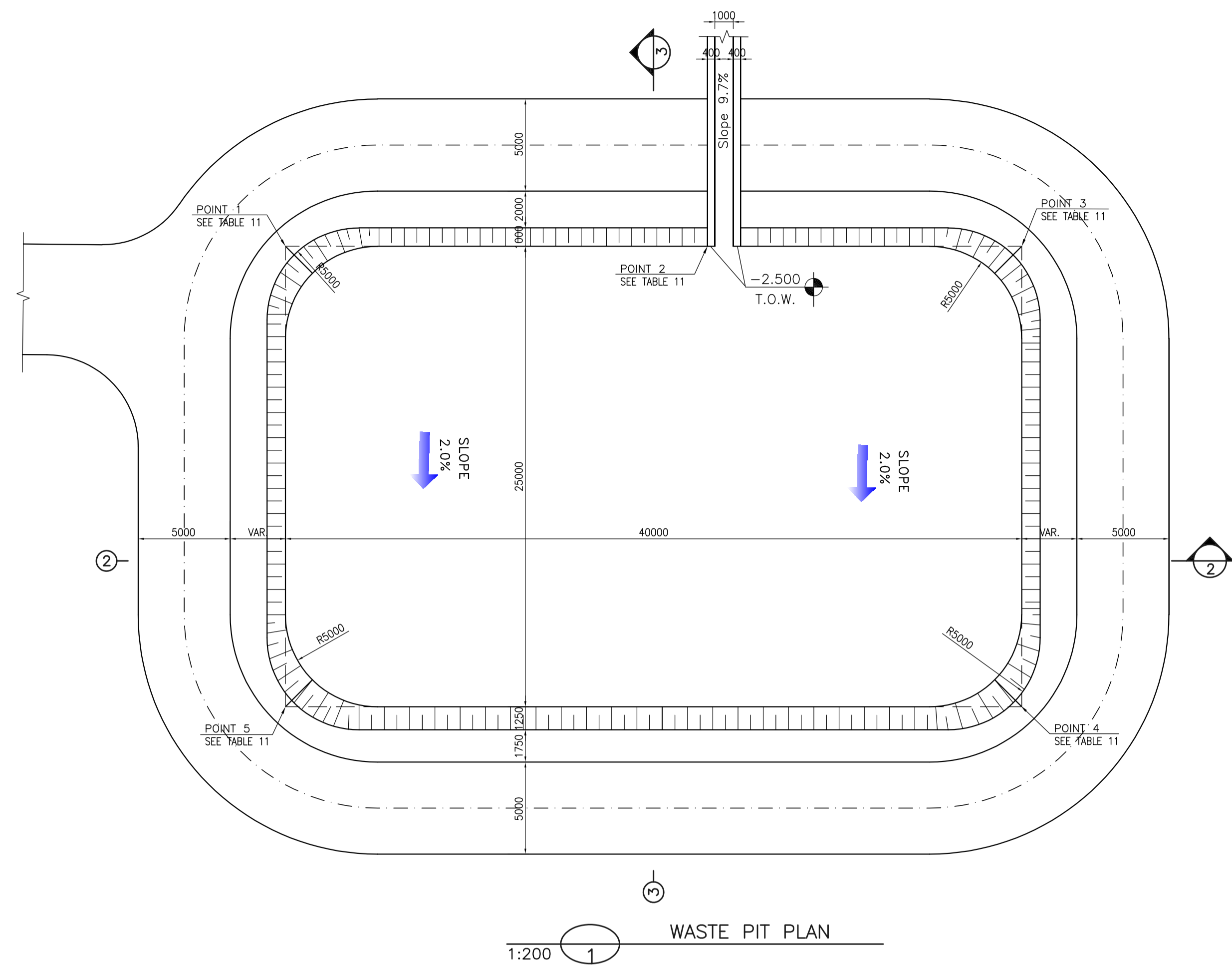
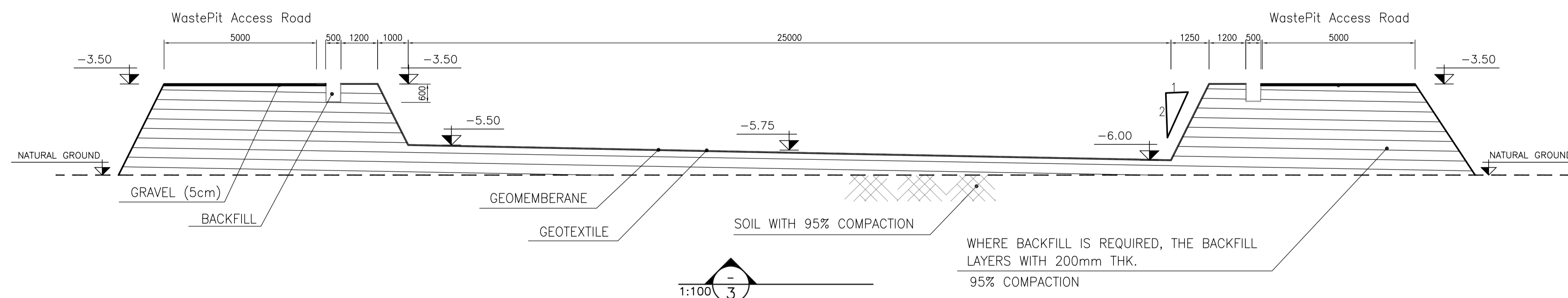
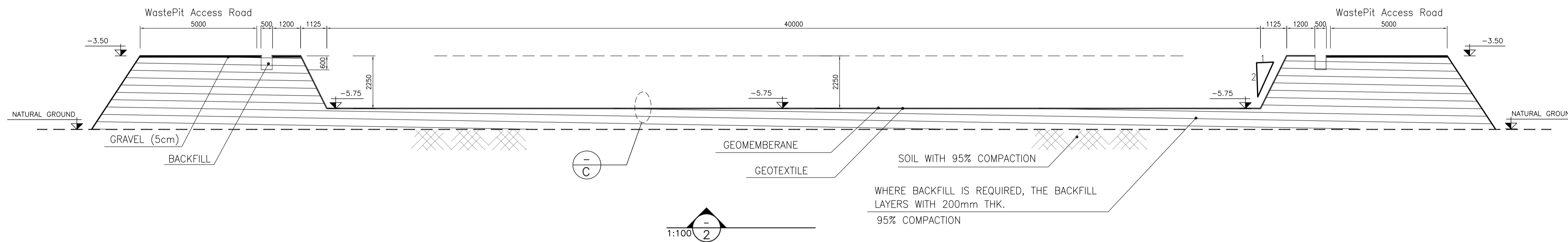
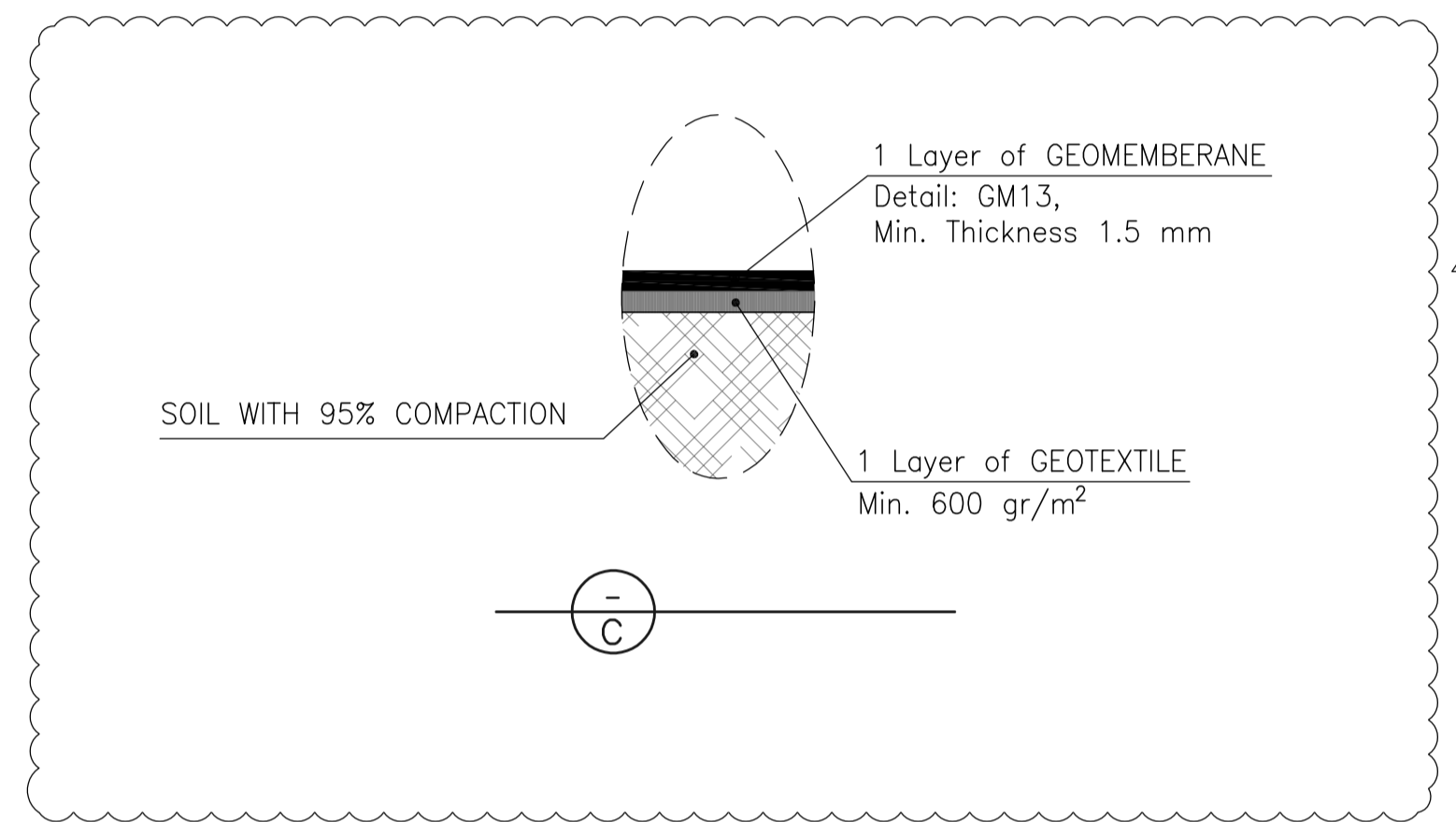


TABLE 11
(CORNERS COORDINATES)

| POINT | E | N |
|---------|--------------|---------------|
| POINT 1 | E=437154.586 | N=3293058.342 |
| POINT 2 | E=437168.059 | N=3293076.891 |
| POINT 3 | E=437178.093 | N=3293090.706 |
| POINT 4 | E=437198.321 | N=3293076.014 |
| POINT 5 | E=437174.813 | N=3293043.650 |



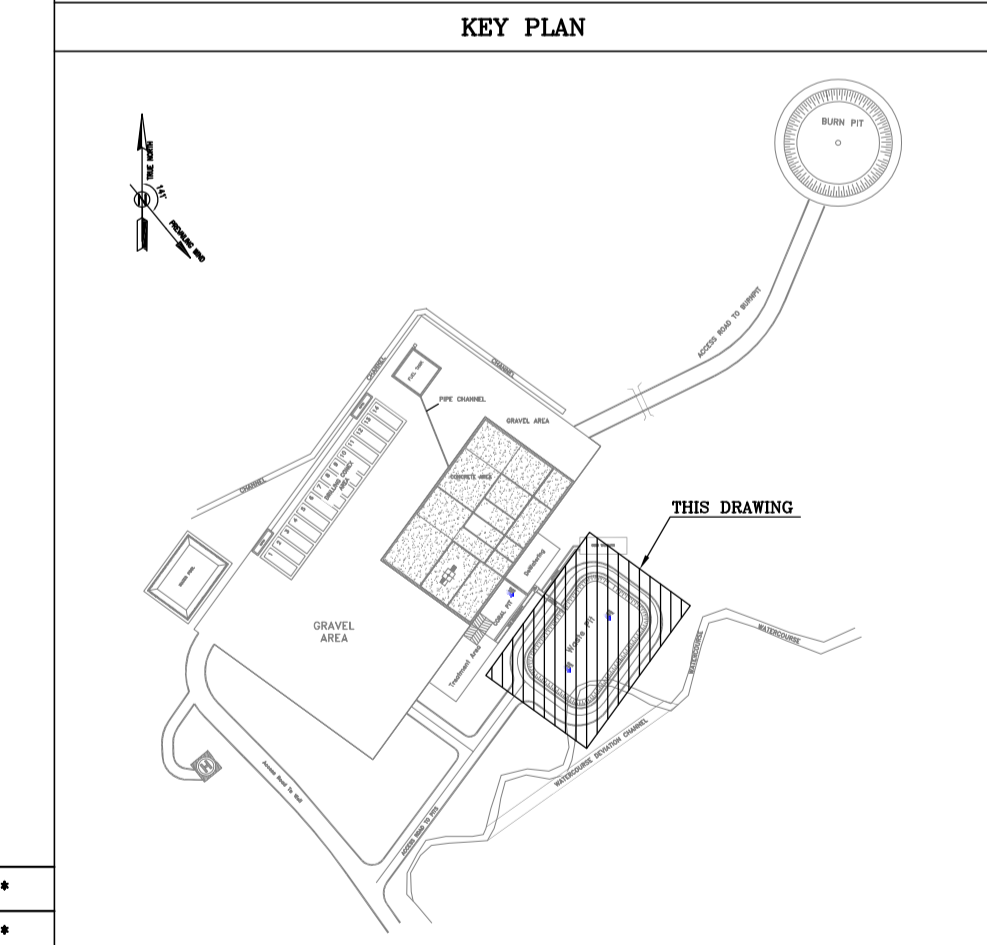
- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS.
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
- ±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |

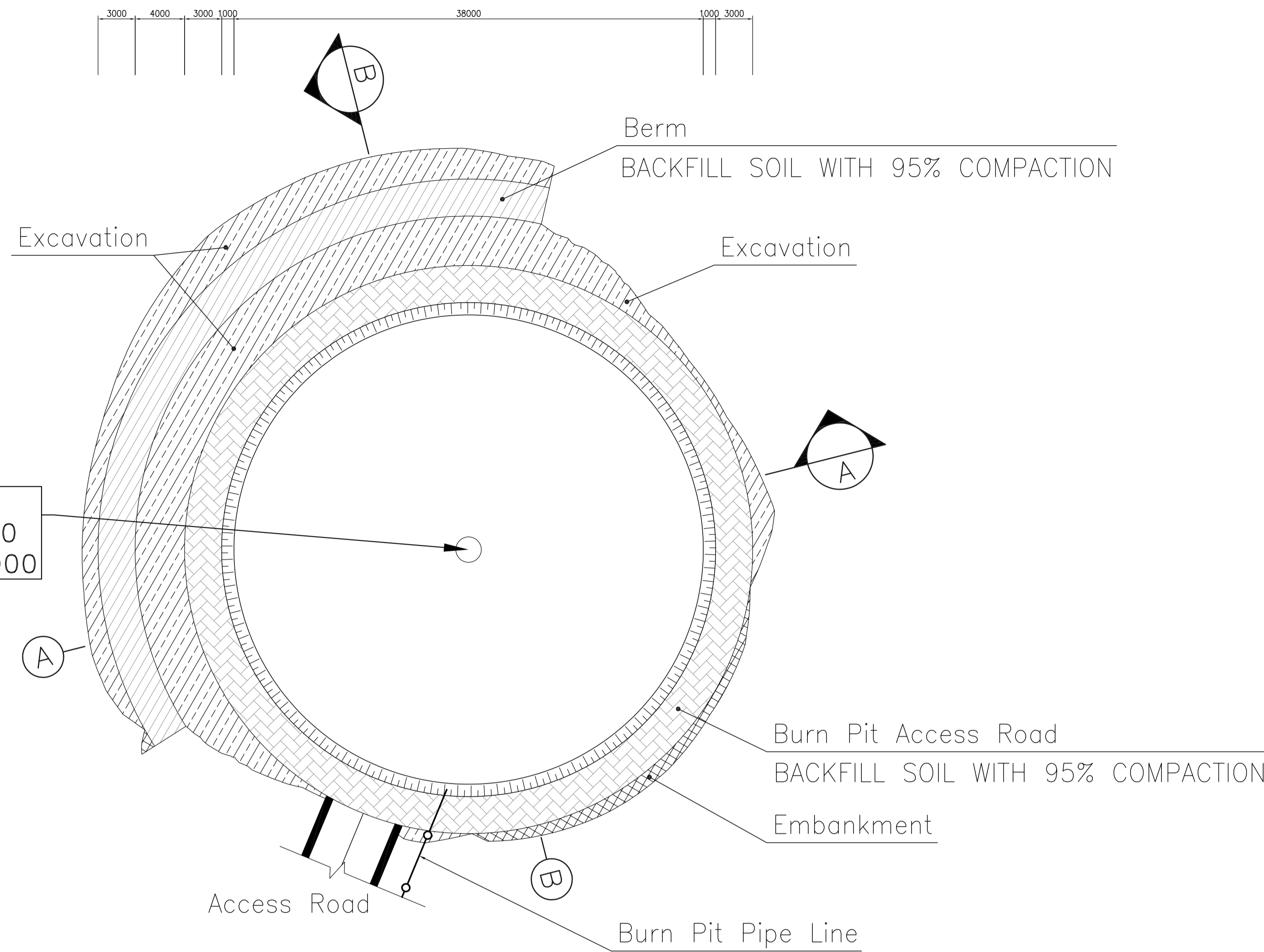
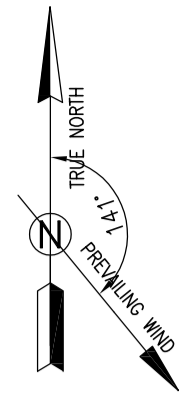


| | | | | | | |
|---|----------|------------------------------|--|-------------|--------------|----------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |
| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
| PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES | | | | | | |
| PROJECT NO.: 971020 | | | | | | |
| EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES | | | EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY | | | |
| DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S WASTE PIT PLAN-SECTIONS | | | | | | |
| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. | BUDGET REF. | LOCATION |
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 18 OF 42 | D06 | 053-073-9184 | F |
| NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED | | | | | | |
| APPROVED FOR CONSTRUCTION | | | BY: | | DATE: | |
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 18 OF 42 | D06 | 053-073-9184 | F |

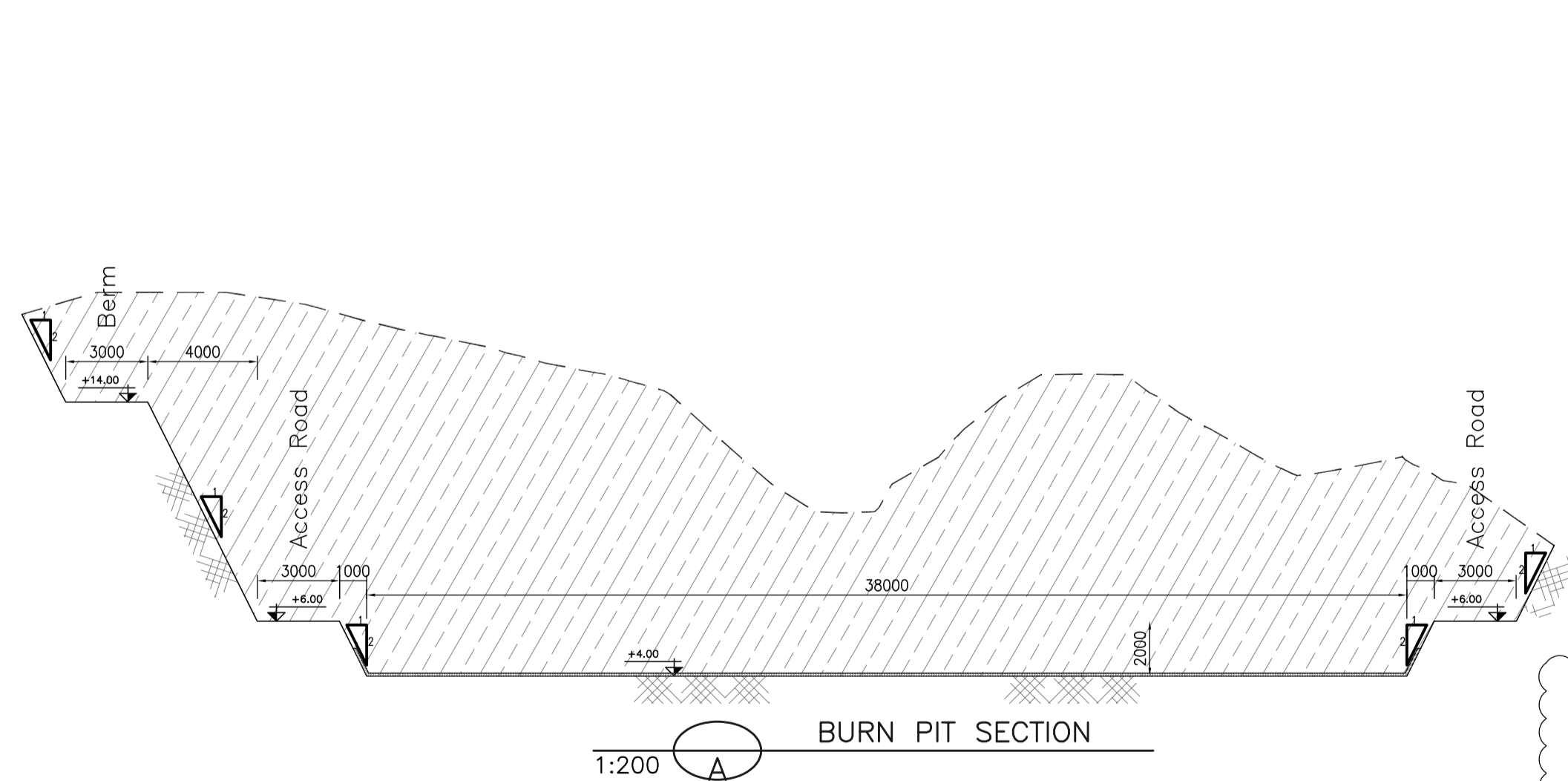
امثل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

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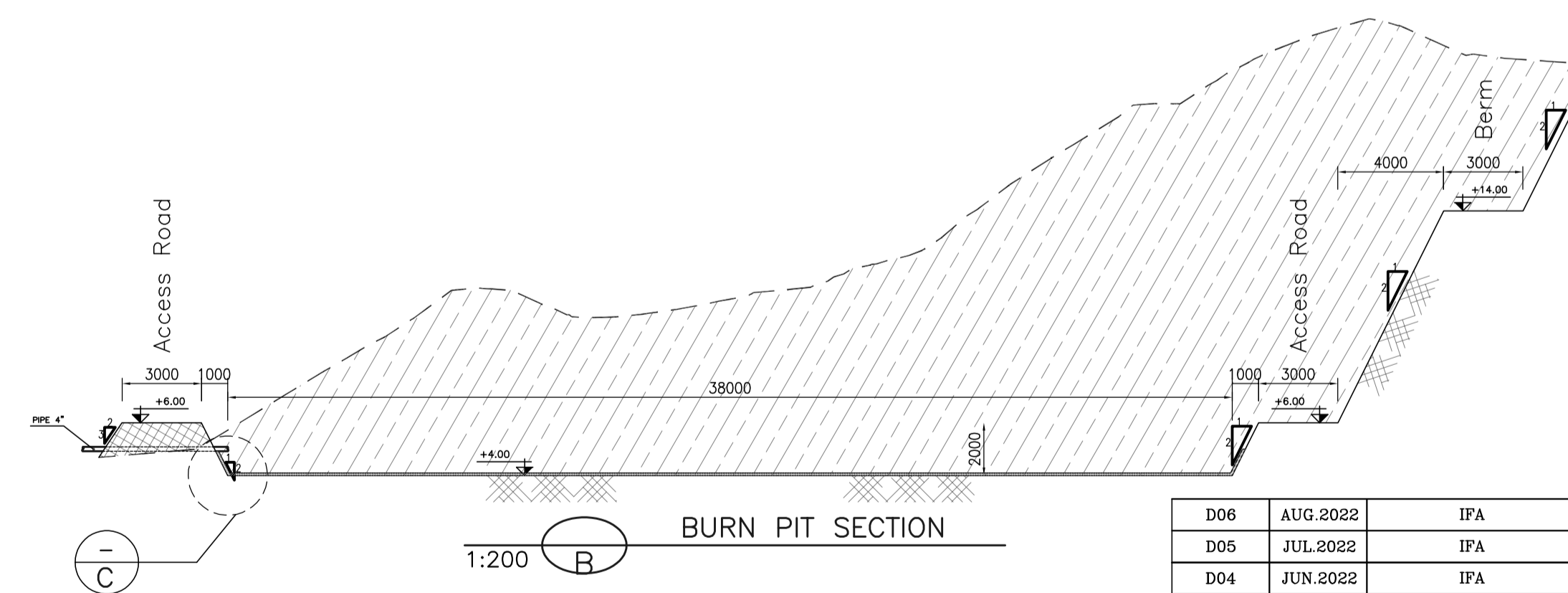
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |



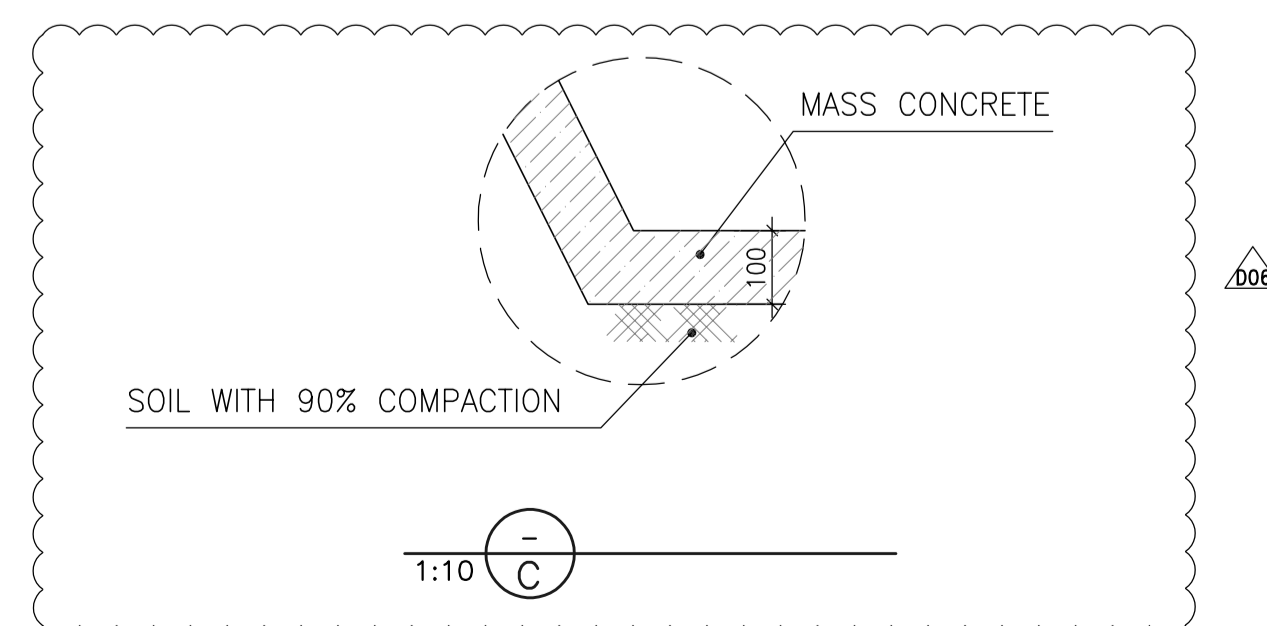
1:250 **BURN PIT PLAN**



1:200 **BURN PIT SECTION**



1:200 **BURN PIT SECTION**



1:10 **C**

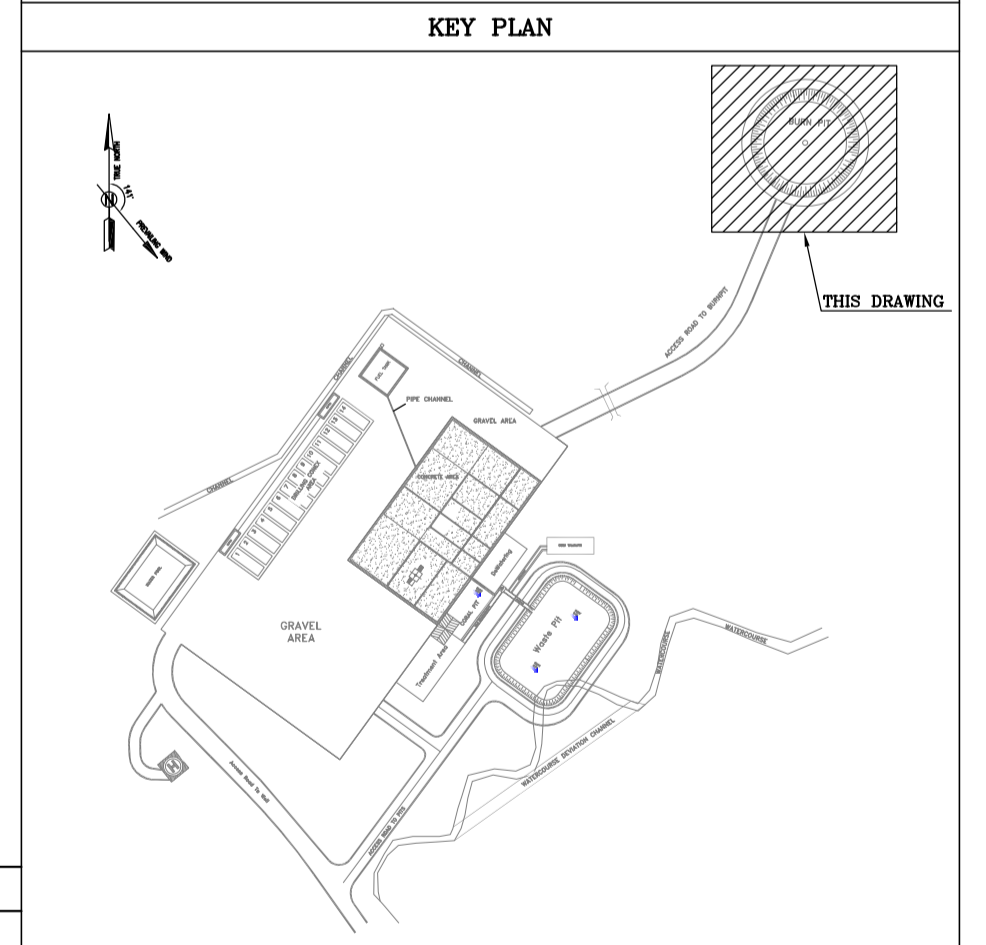
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MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- ±0.00 = +31.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

| | | | |
|--|---------------------|---------|---------------------|
| | REINFORCED CONCRETE | T.O.F. | TOP OF FOUNDATION |
| | LEAN CONCRETE | T.O.W. | TOP OF WALL |
| | CEMENT BLOCK WALL | T.O.C. | TOP OF CONCRETE |
| | GRAVEL | T.O.PIT | TOP OF PIT |
| | SUB GRADE | B.O.P. | BOTTOM OF PIPE |
| | SLOPE | R.G.L. | ROUGH GRADING LEVEL |
| | Excavation | | |
| | Embankment | | |
| | Berm | | |

REFERENCE DRAWING

| REFERENCE DRAWING | DRG. No. |
|--|------------------------------|
| SPECIFICATION FOR FENCE & GATE | BK-GNRL-PEDCO-000-CV-SP-0003 |
| GENERAL NOTES - STEEL STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0011 |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES | BK-GNRL-PEDCO-000-ST-DW-0012 |
| GENERAL CIVIL LAYOUT -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| ROUGH GRADING PLANS -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| STANDARD DRAWING FOR CULVERT & DETAILS | BK-GNRL-PEDCO-000-CV-DW-0014 |
| STANDARD DETAILS OF MISCELLANEOUS ITEMS | BK-GNRL-PEDCO-000-CV-DW-0040 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S BURN PIT PLAN-SECTIONS

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 19 of 42 | D06 |

| REV. | DESCRIPTION | BY | DATE | BY | DATE |
|------|-------------|---|---------------------------------|------------------|-------|
| *** | ***** | *** | ***** | *** | ***** |
| REV. | DESCRIPTION | BY <td>DATE <td>BY <td>DATE</td> </td></td> | DATE <td>BY <td>DATE</td> </td> | BY <td>DATE</td> | DATE |
| | | CHECKED | | REV. APPR. | |

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

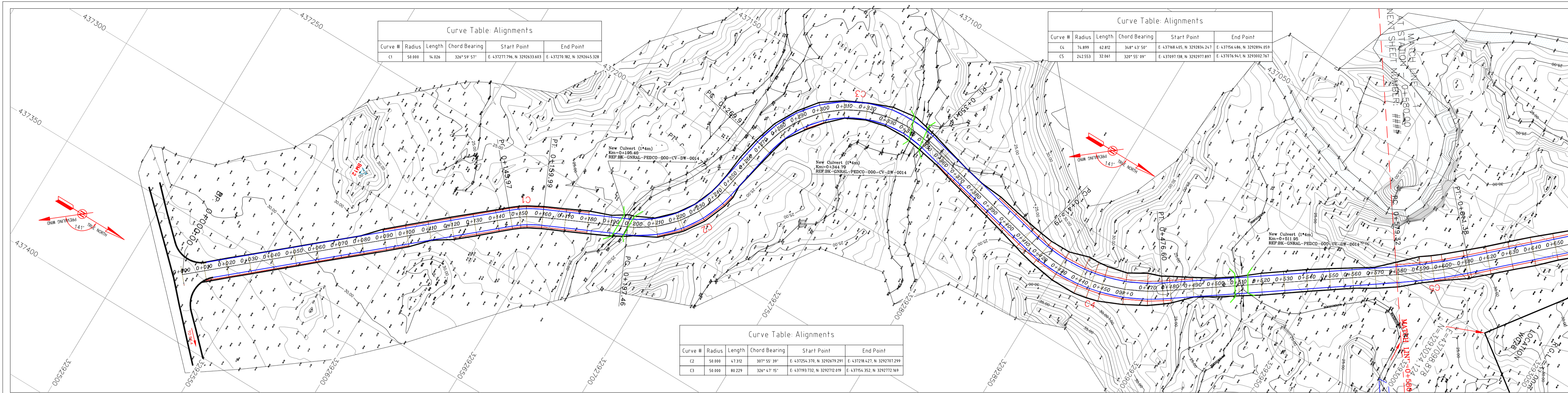
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| | | | | |

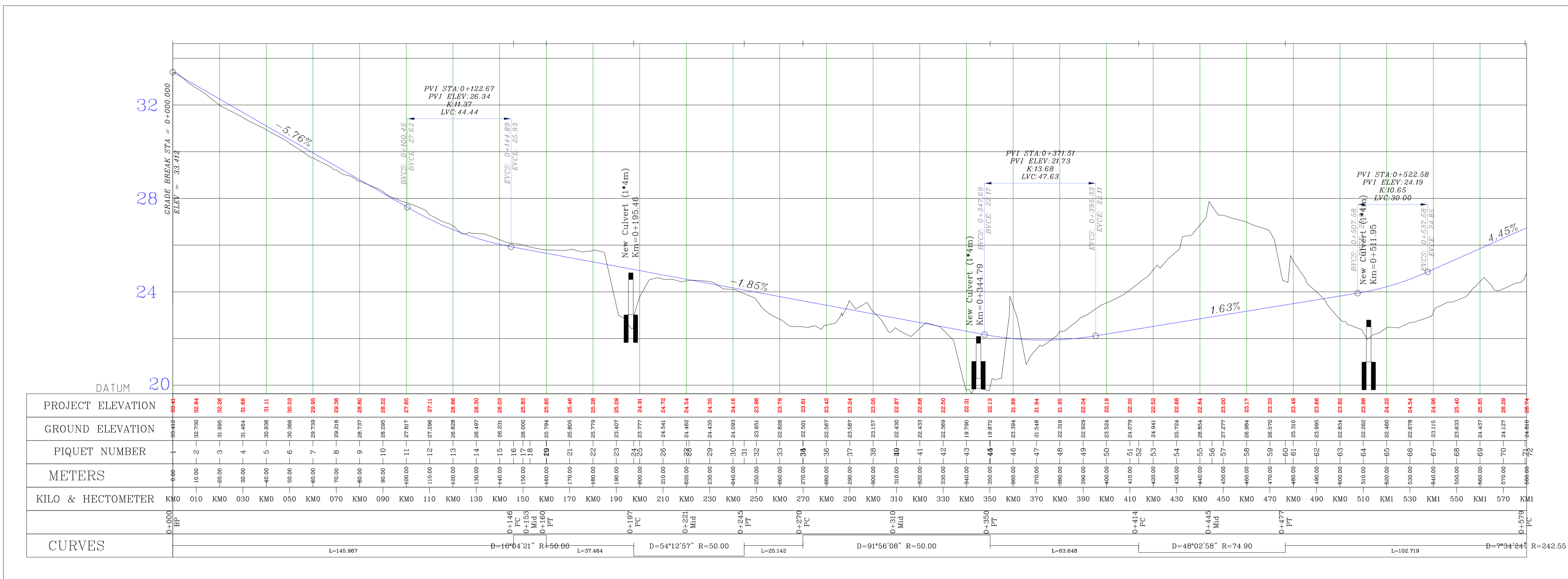
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 19 | D06 |



MAIN ACCESS ROAD PLAN
H: 1/1000
V: 1/100



MAIN ACCESS ROAD PROFILE
H: 1/1000
V: 1/100

- 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: MSL
 - 4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
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- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - 5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

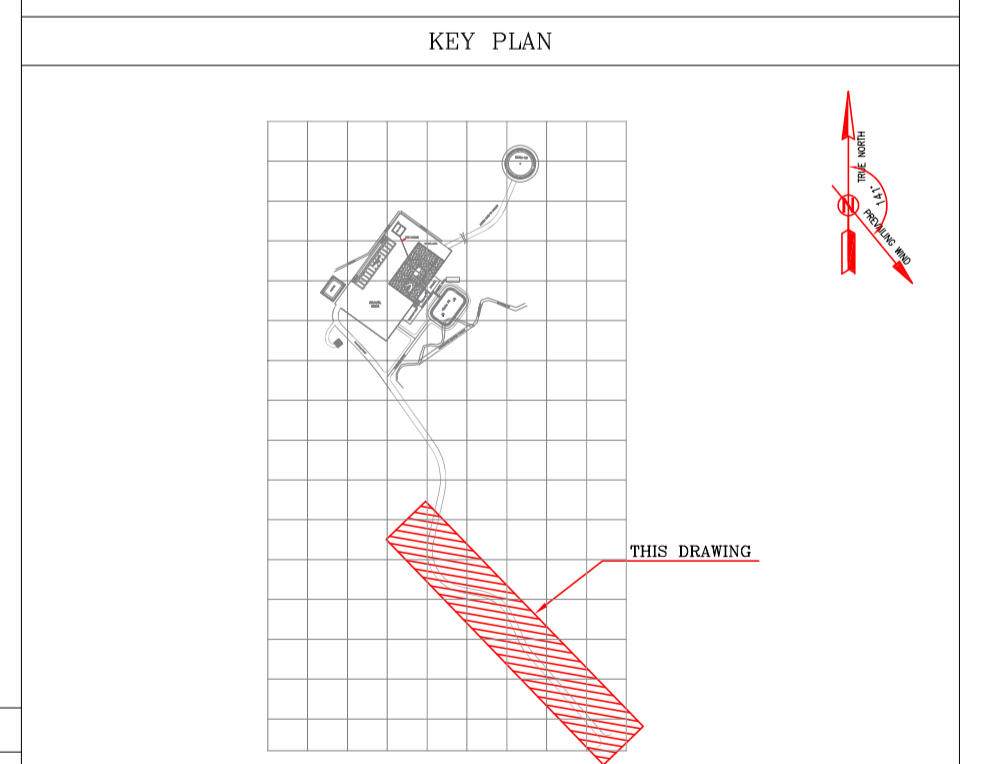
| | | | |
|--|---------------|--|--------------|
| | WELL LOCATION | | CANAL |
| | WELL | | RIVER |
| | SITE | | WATER COURSE |
| | CAMP SITE | | CONTOURS |
| | ASPHALT ROAD | | SPOT HEIGHT |
| | GRAVEL ROAD | | BENCH MARK |
| | PROPOSED ROAD | | BRIDGE |
| | DAYLIGHT | | CULVERT |

REFERENCE DRAWING

| General Civil Layout - W028 | DRG. No. |
|---|------------------------------|
| Rough Grading Plans - W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Standard Drawing For Culvert & Details | BK-GNRL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRL-PEDCO-000-CV-DW-0002 |
| Specification For Road & Paving | BK-GNRL-PEDCO-000-CV-SP-0002 |

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVC= BEGIN OF VERTICAL CURVE STATION
BVC= BEGIN OF VERTICAL CURVE ELEVATION
EVC= END OF VERTICAL CURVE STATION
EVC= END OF VERTICAL CURVE ELEVATION



BENCH MARK LIST

| NAME | Easting(m) | Northing(m) | Elevation(m) |
|------|------------|-------------|--------------|
| BM12 | 437294.141 | 3292567.901 | 35.395 |
| BM14 | 437204.521 | 3292998.852 | 38.676 |

| Station | Northing | Easting |
|----------|------------|-----------|
| 0+000.00 | 3292523.50 | 437373.63 |
| 0+100.00 | 3292598.93 | 437307.98 |
| 0+200.00 | 3292681.57 | 437253.24 |
| 0+300.00 | 3292725.96 | 437167.58 |
| 0+400.00 | 3292820.80 | 437165.36 |
| 0+500.00 | 3292913.16 | 437142.97 |

| PI Station | Northing | Easting |
|------------|------------|-----------|
| 0+000.00 | 3292523.50 | 437373.63 |
| 0+153.03 | 3292638.93 | 437273.16 |
| 0+223.05 | 3292702.49 | 437243.57 |
| 0+321.63 | 3292721.73 | 437142.93 |
| 0+447.17 | 3292866.81 | 437175.78 |

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D03 | MAY 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV 2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT 2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
PROJECT NO.: 971020
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD PLAN AND PROFILE SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 20 of 42 | D06 |

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

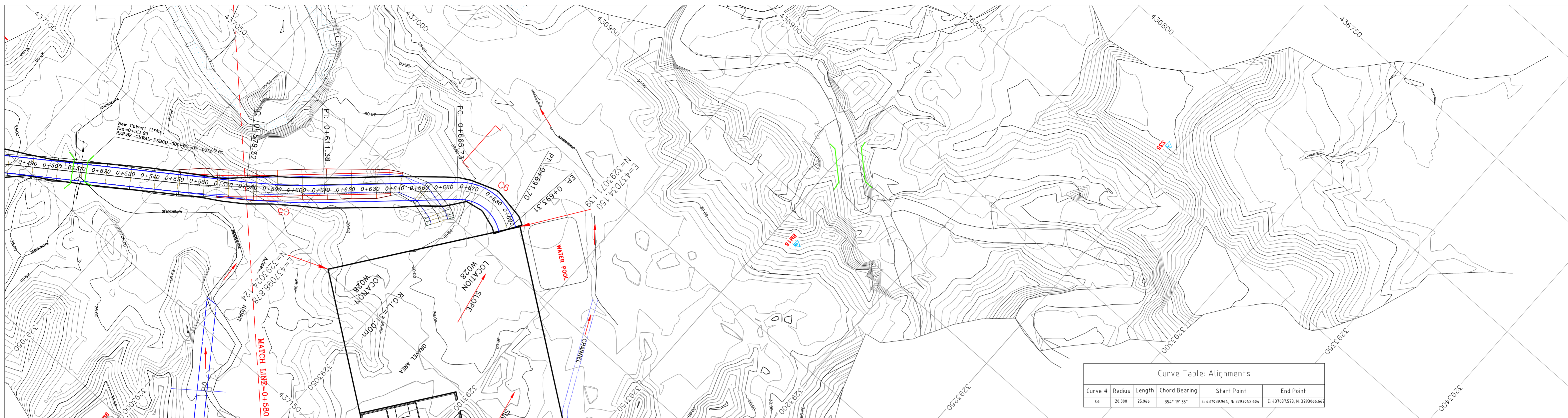
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |

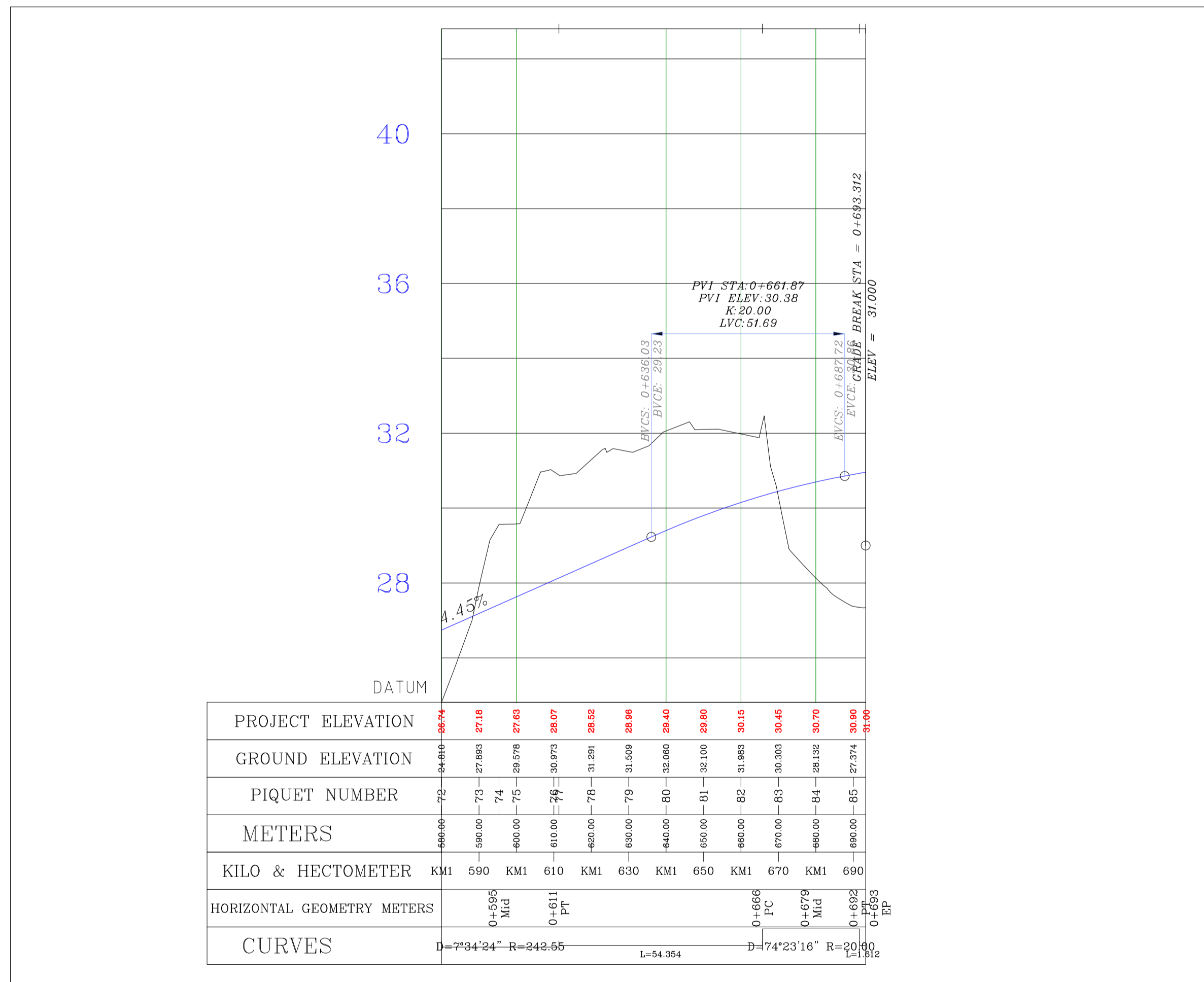
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 20 | D06 |



1 MAIN ACCESS ROAD PLAN
H: 1/1000
V: 1/100



2 MAIN ACCESS ROAD PROFILE
H: 1/1000
V: 1/100

| PI Station | Northing | Easting |
|------------|------------|-----------|
| 0+595.37 | 3292991.00 | 437087.86 |
| 0+680.91 | 3293053.73 | 437029.64 |
| 0+693.31 | 3293068.04 | 437038.42 |

| Station | Northing | Easting |
|----------|------------|-----------|
| 0+600.00 | 3292994.25 | 437084.48 |
| 0+693.31 | 3293068.04 | 437038.41 |

BENCH MARK LIST

| NAME | Easting(m) | Northing(m) | Elevation(m) |
|------|------------|-------------|--------------|
| BM16 | 436964.749 | 3293160.118 | 37.566 |
| S35 | 436834.486 | 3293246.697 | 45.665 |

- ### NOTES
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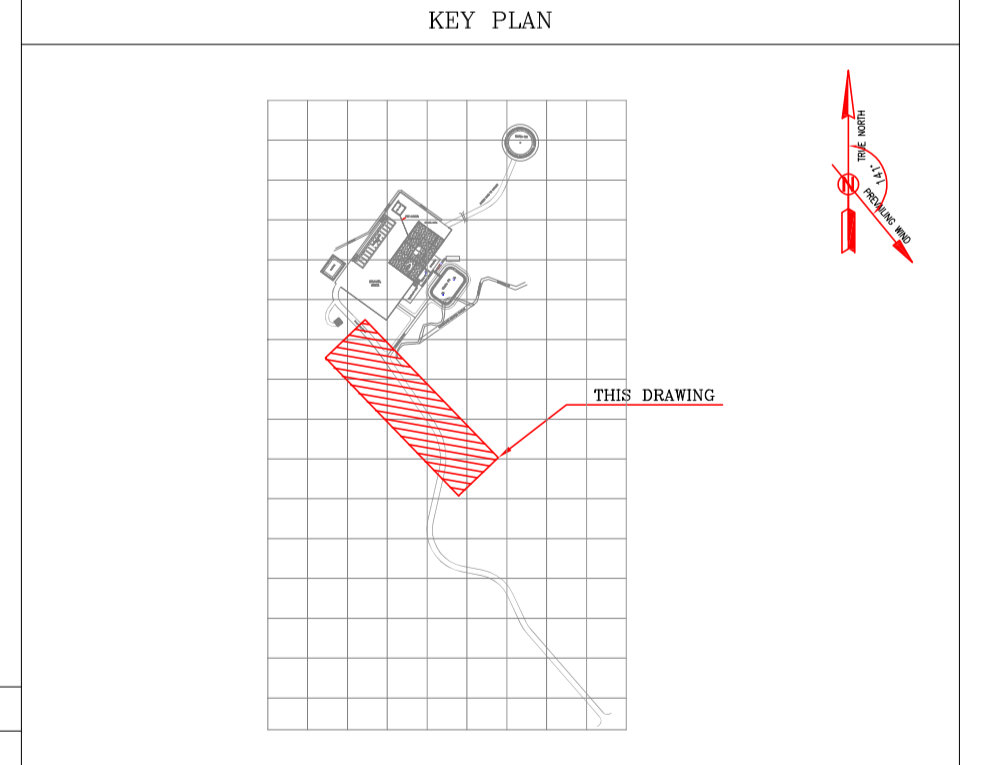
LEGEND

| | | | |
|--|---------------|--|--------------|
| | WELL LOCATION | | CANAL |
| | WELL | | RIVER |
| | SITE | | WATER COURSE |
| | CAMP SITE | | CONTOURS |
| | ASPHALT ROAD | | SPOT HEIGHT |
| | GRAVEL ROAD | | BENCH MARK |
| | PROPOSED ROAD | | BRIDGE |
| | DAYLIGHT | | CULVERT |

| REFERENCE DRAWING | DRG. No. |
|---|------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRL-PEDCO-000-CV-DW-0002 |
| Specification For Road & Paving | BK-GNRL-PEDCO-000-CV-SP-0002 |

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



| REV. | DESCRIPTION | BY | DATE | BY | DATE | |
|------|-------------|-----|-------------|-------------|--------------|-----|
| D06 | AUG. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV. 2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT. 2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
PROJECT NO.: 971020
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

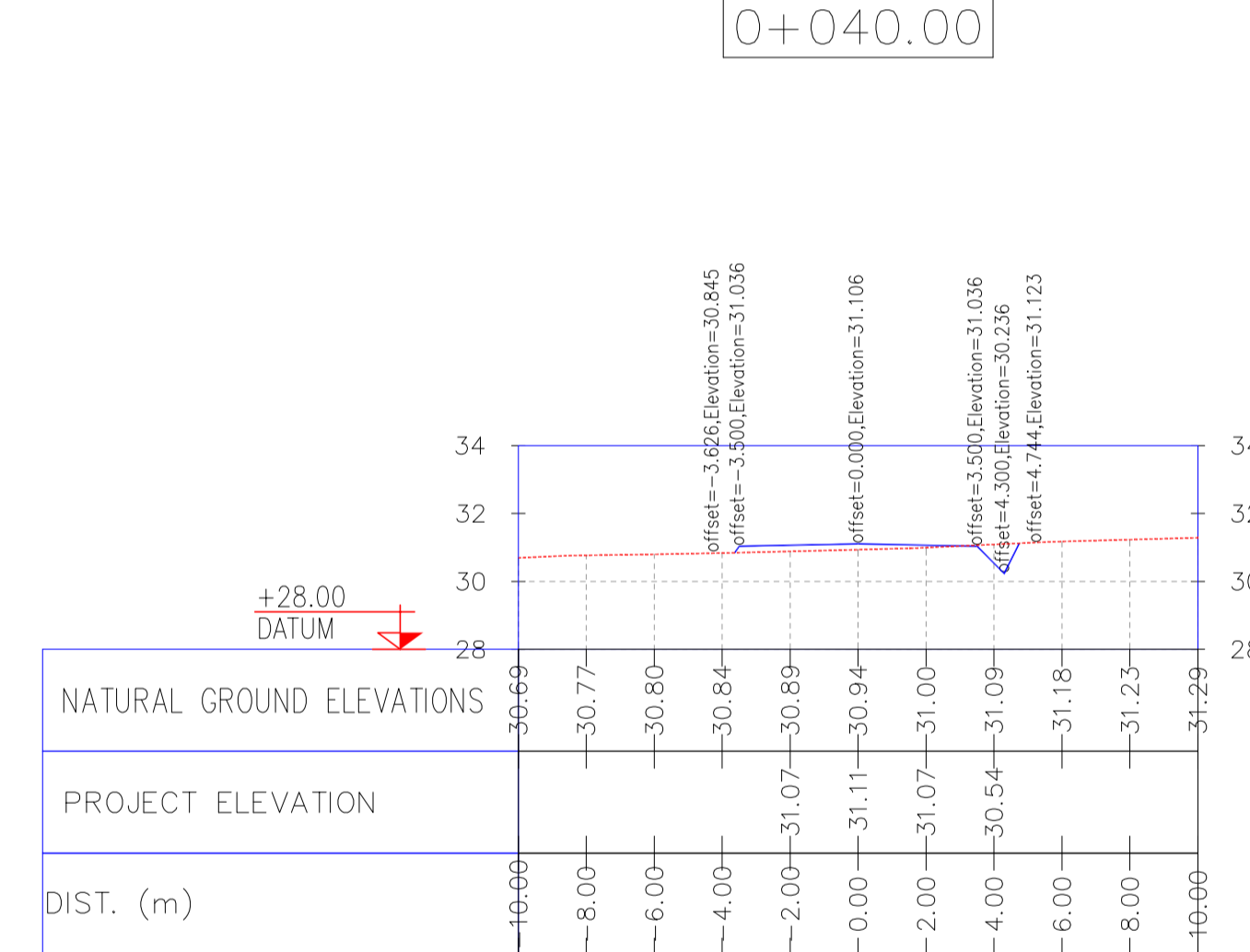
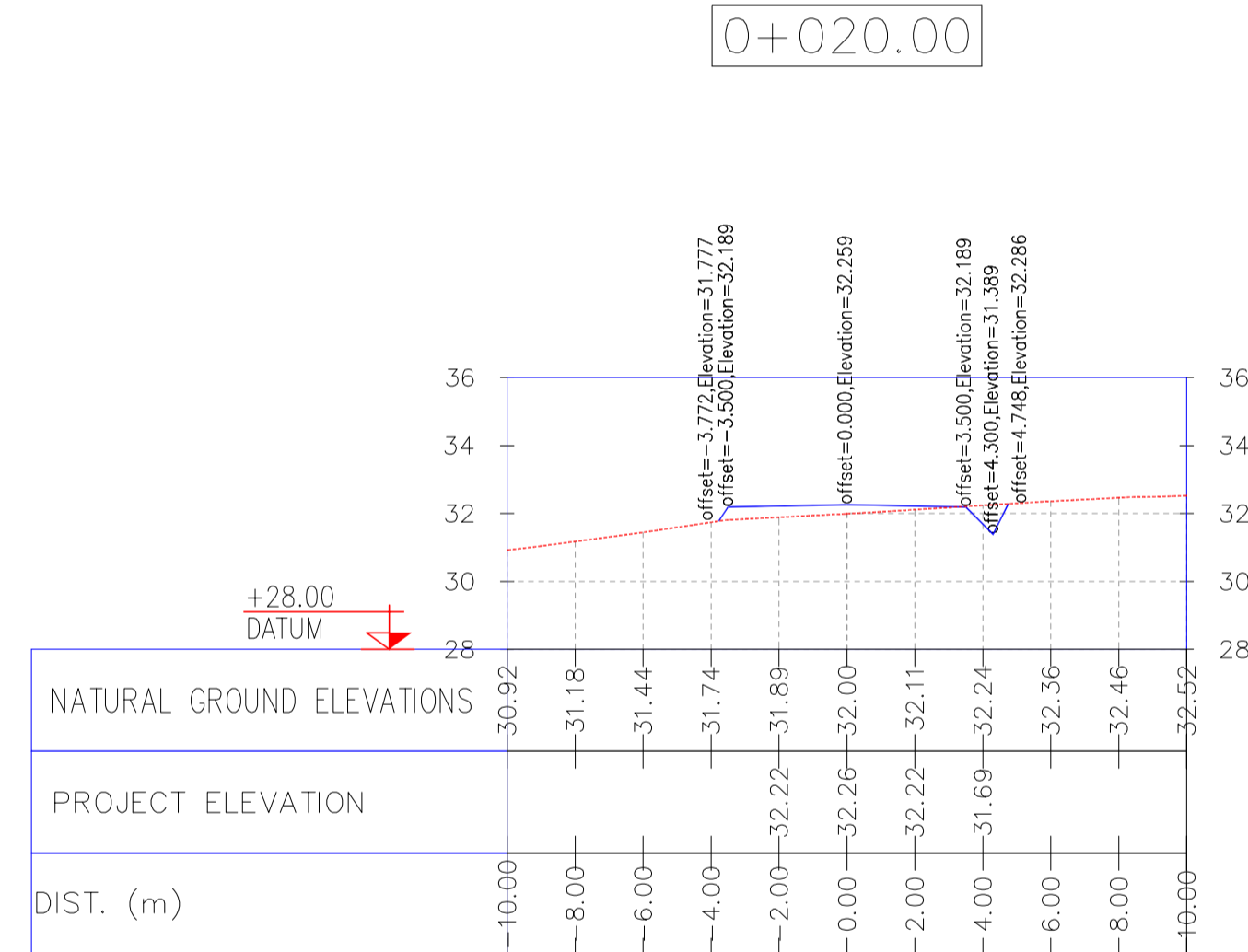
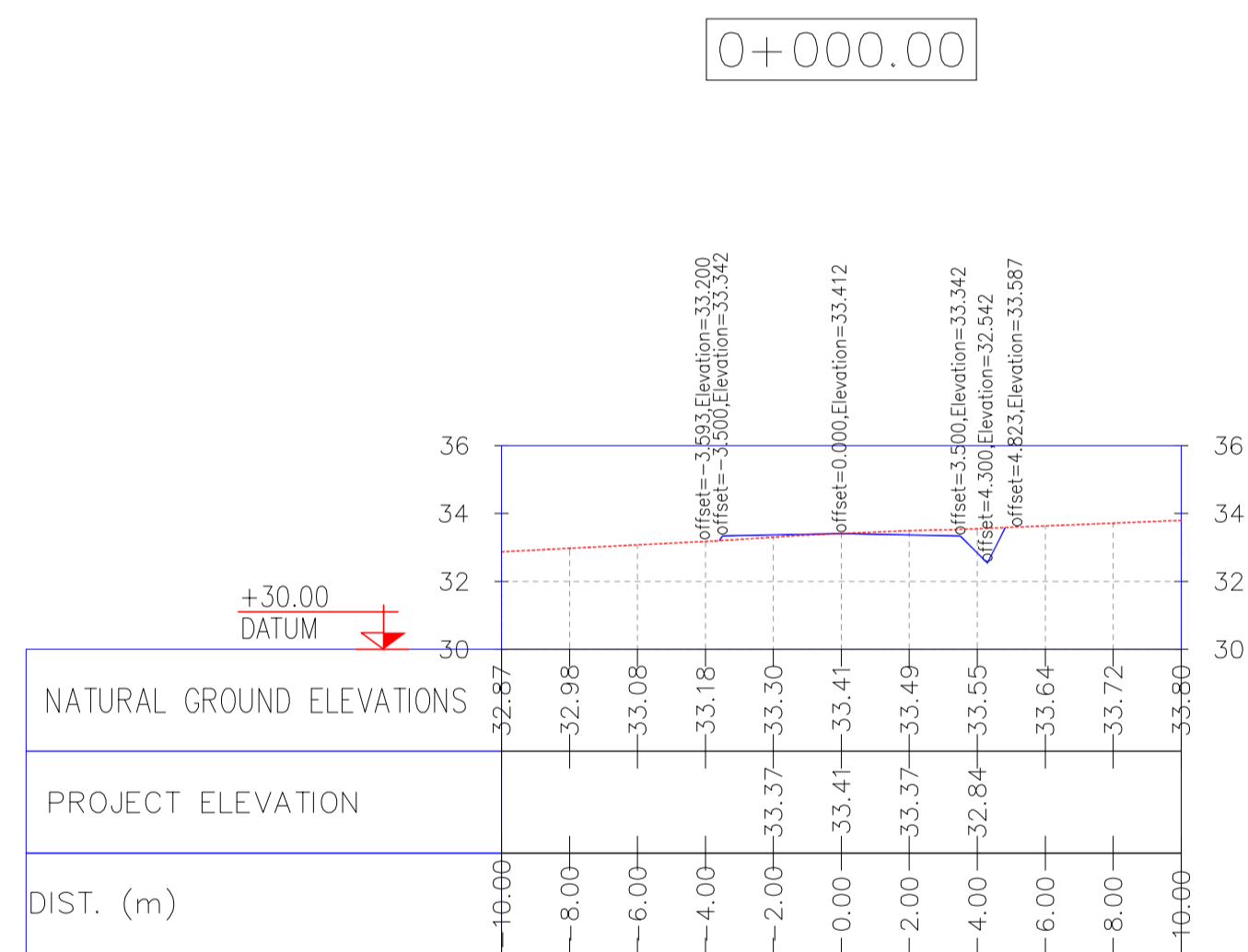
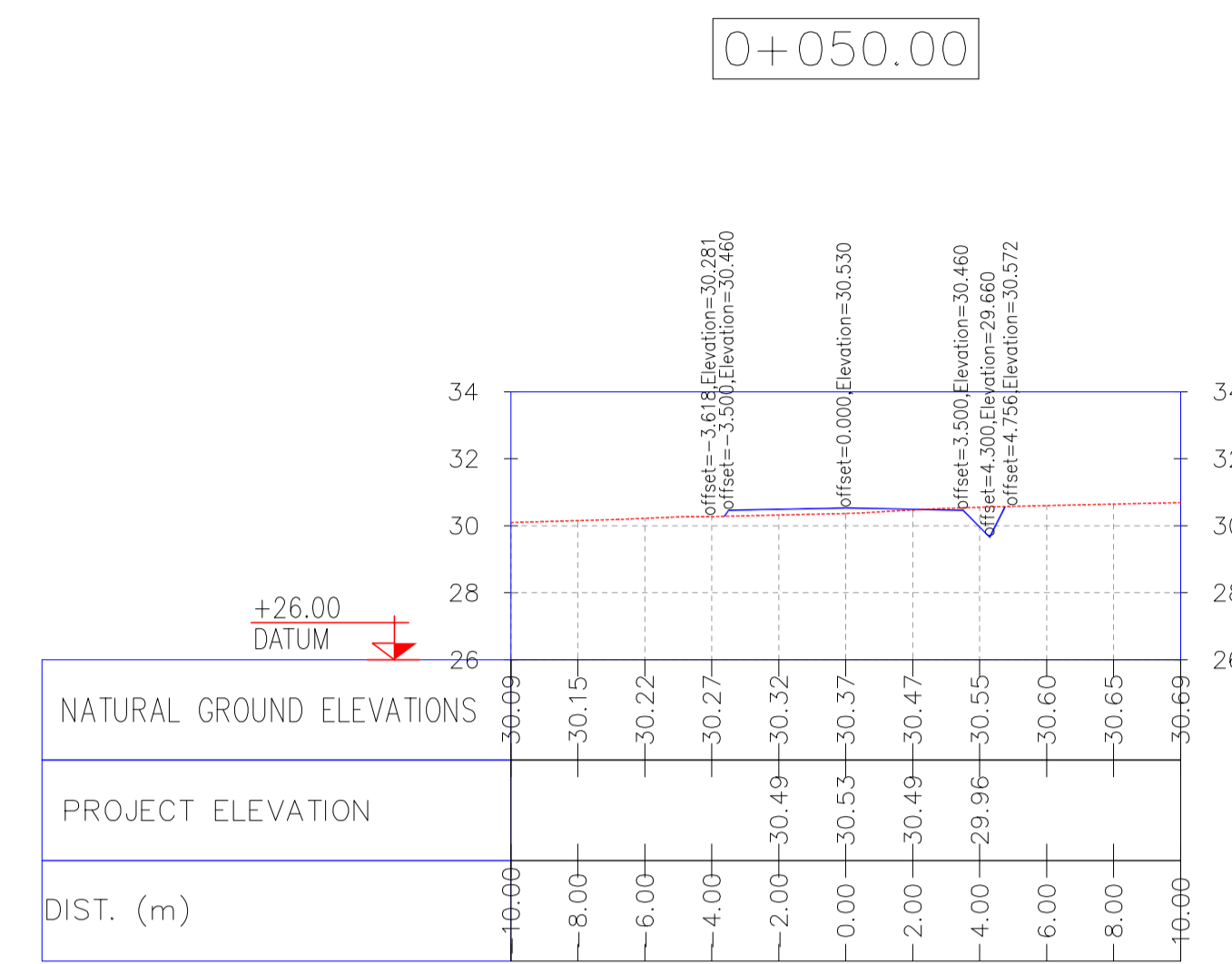
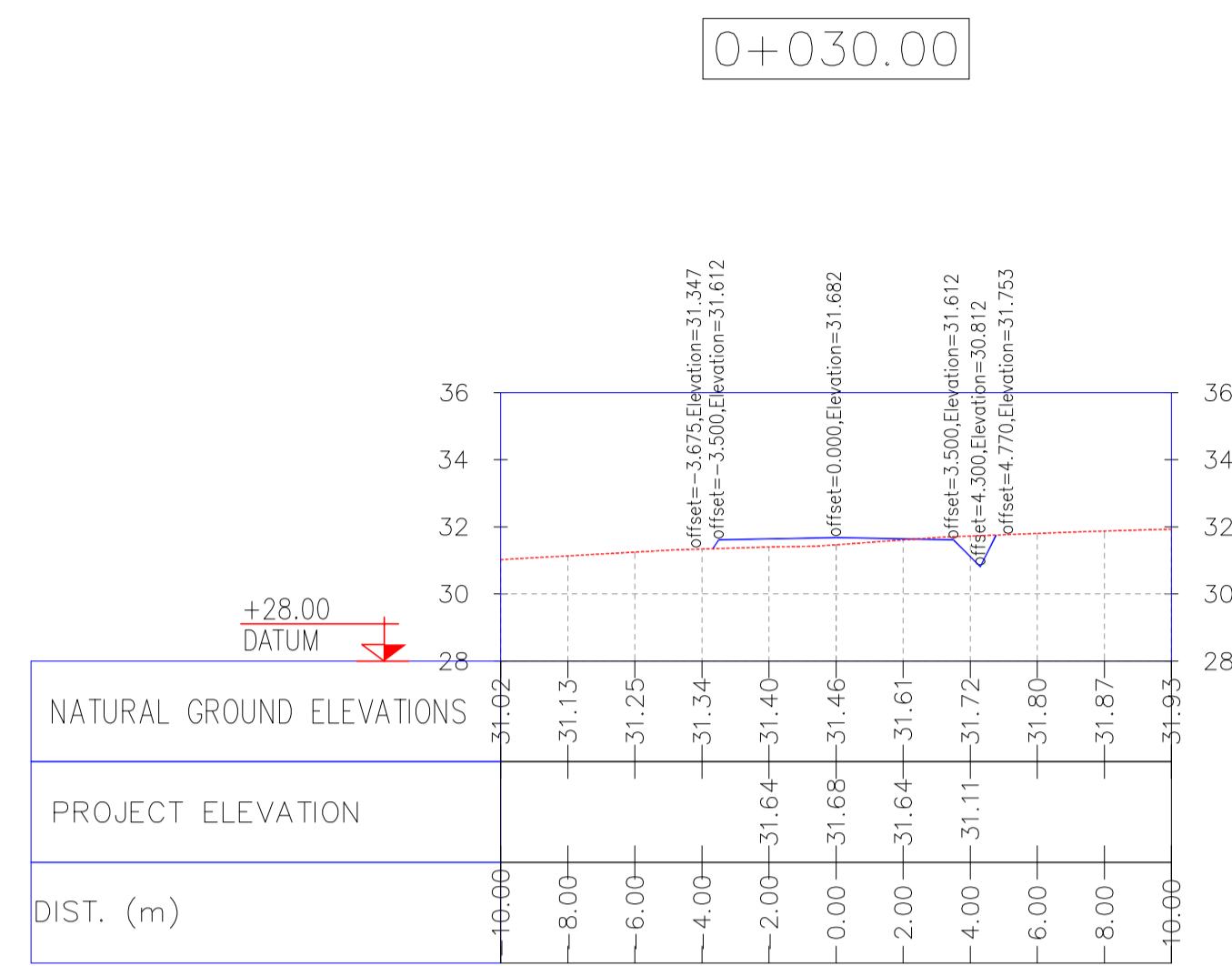
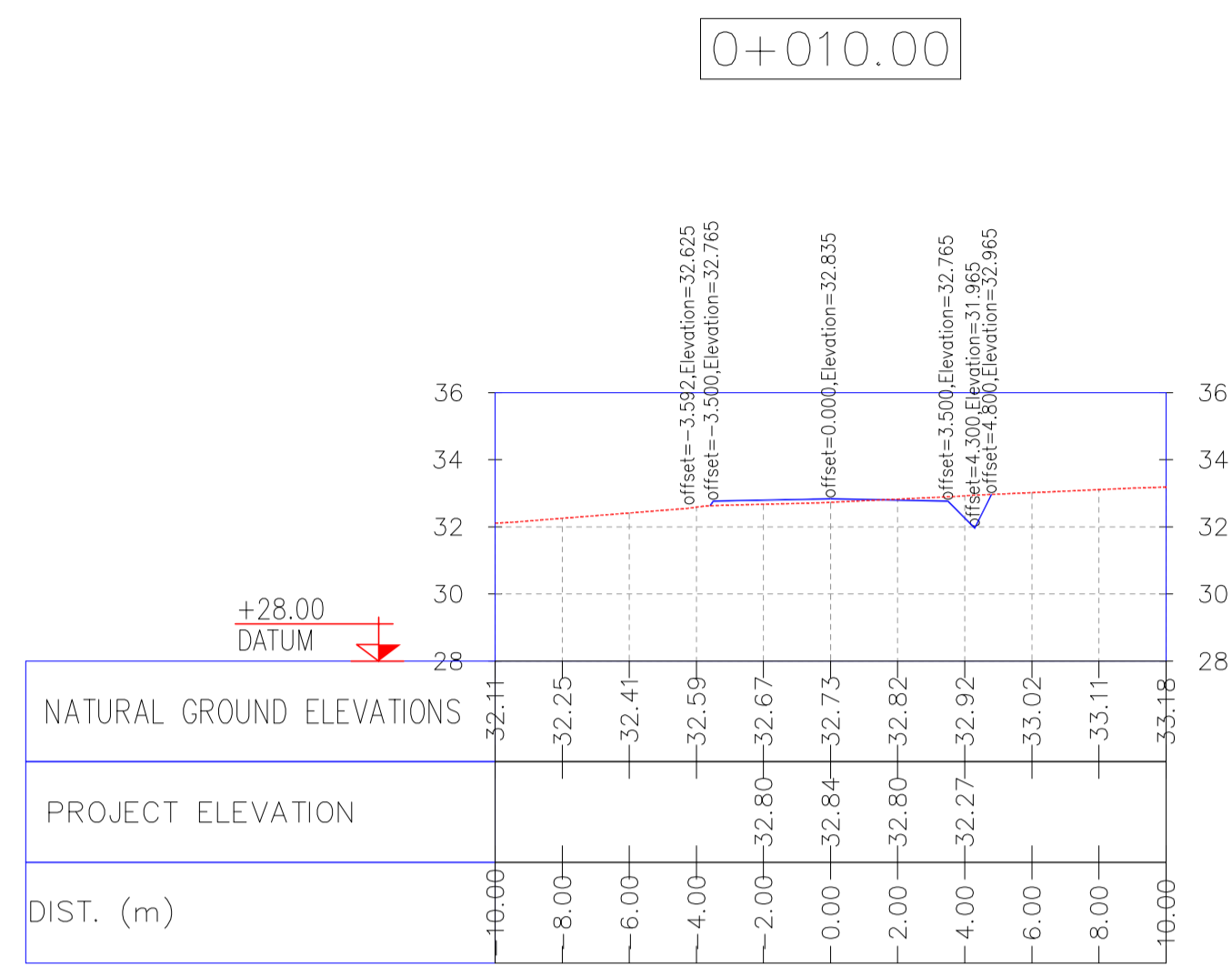
| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD PLAN AND PROFILE SECTION

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 | |
|----------|------|------------------------------|-----------|-------|-------------|--------------|------|-------|------------|--------|----------|-----|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 21 | of 42 | D06 | 053-073-9184 | F | 4 | S | 707548 | 21 | D06 |



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

| REV. | DESCRIPTION | BY | DATE | BY | DATE |
|------|-------------|-----|-------|-----|-------|
| *** | ***** | *** | ***** | *** | ***** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 10 ~50M

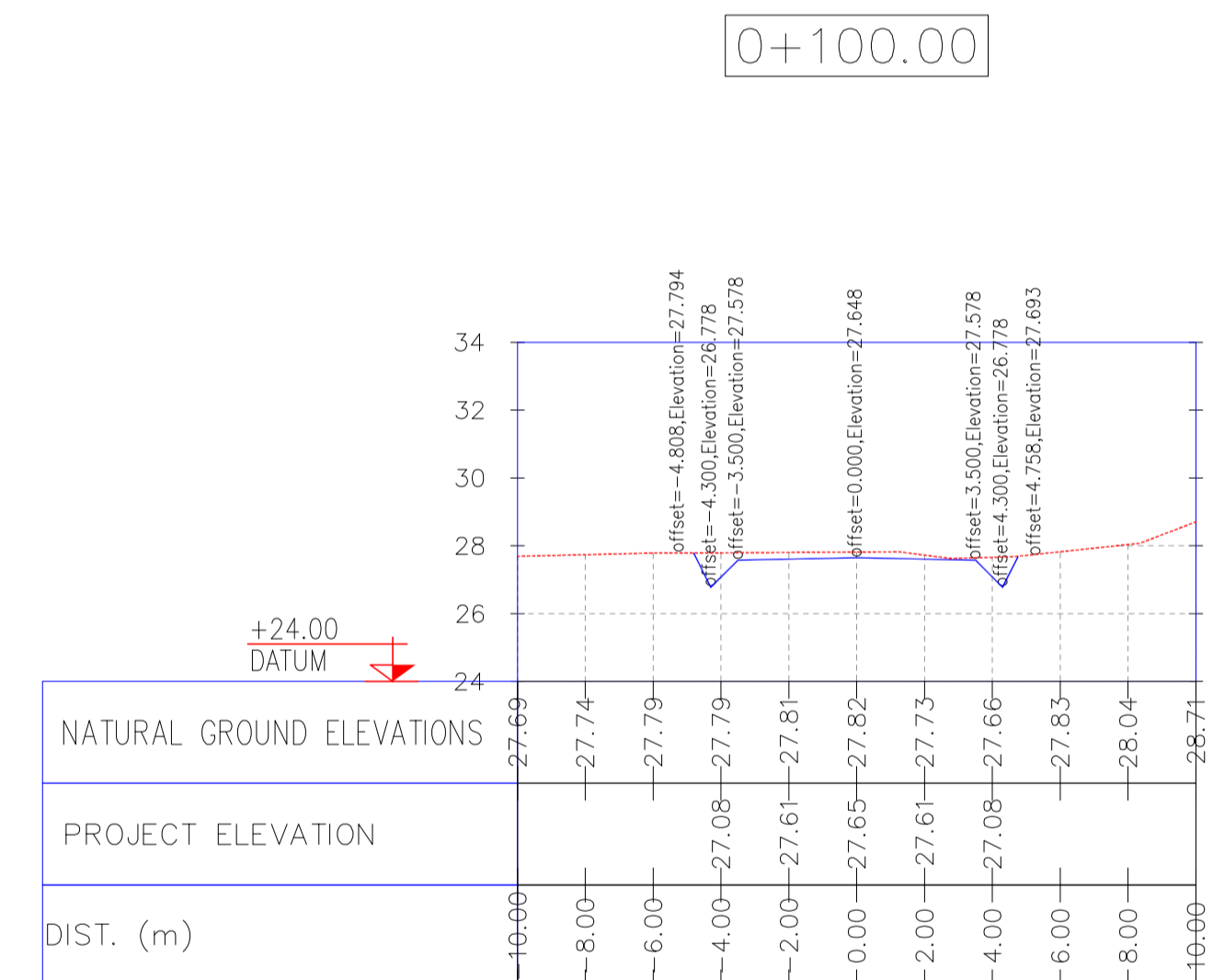
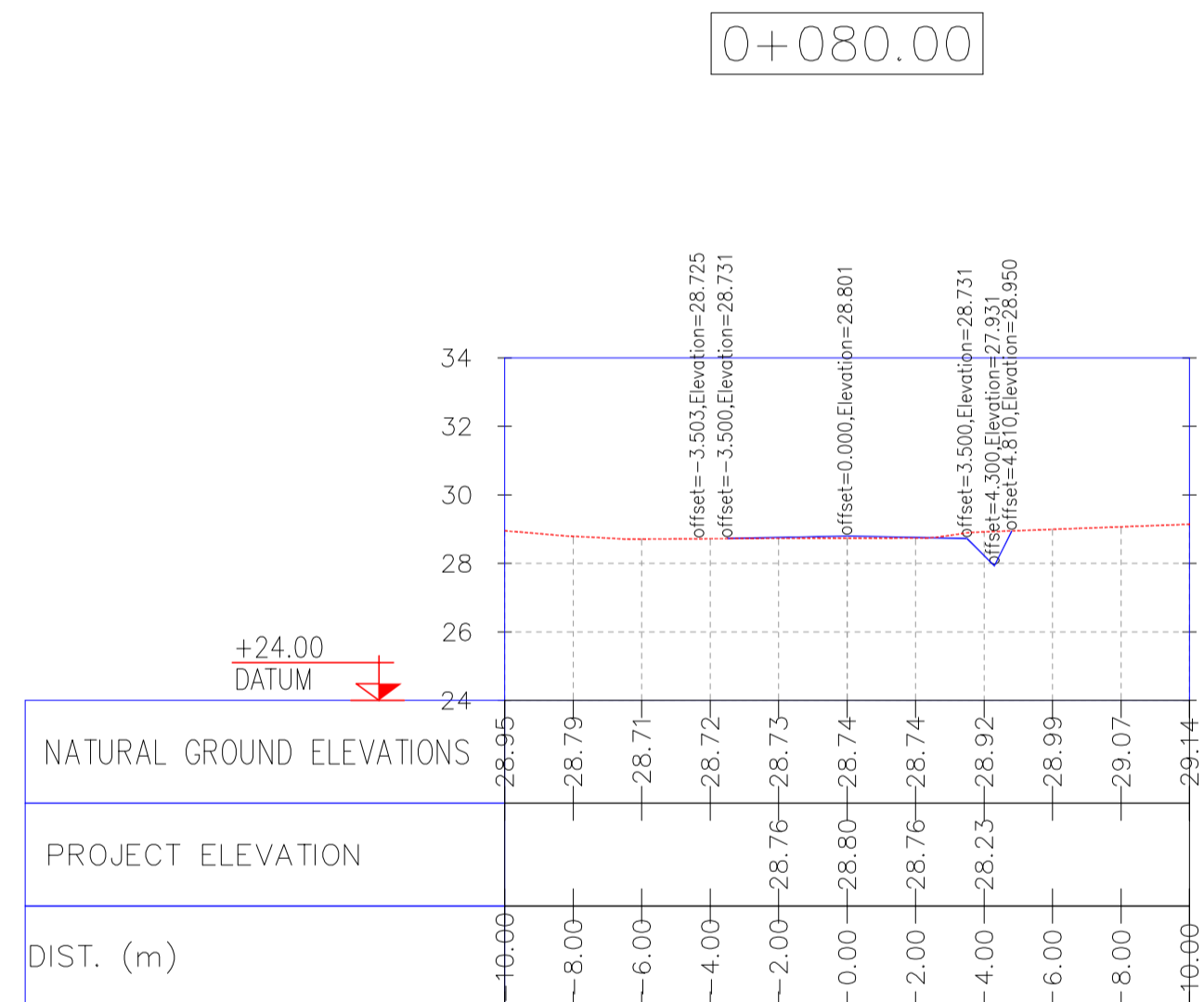
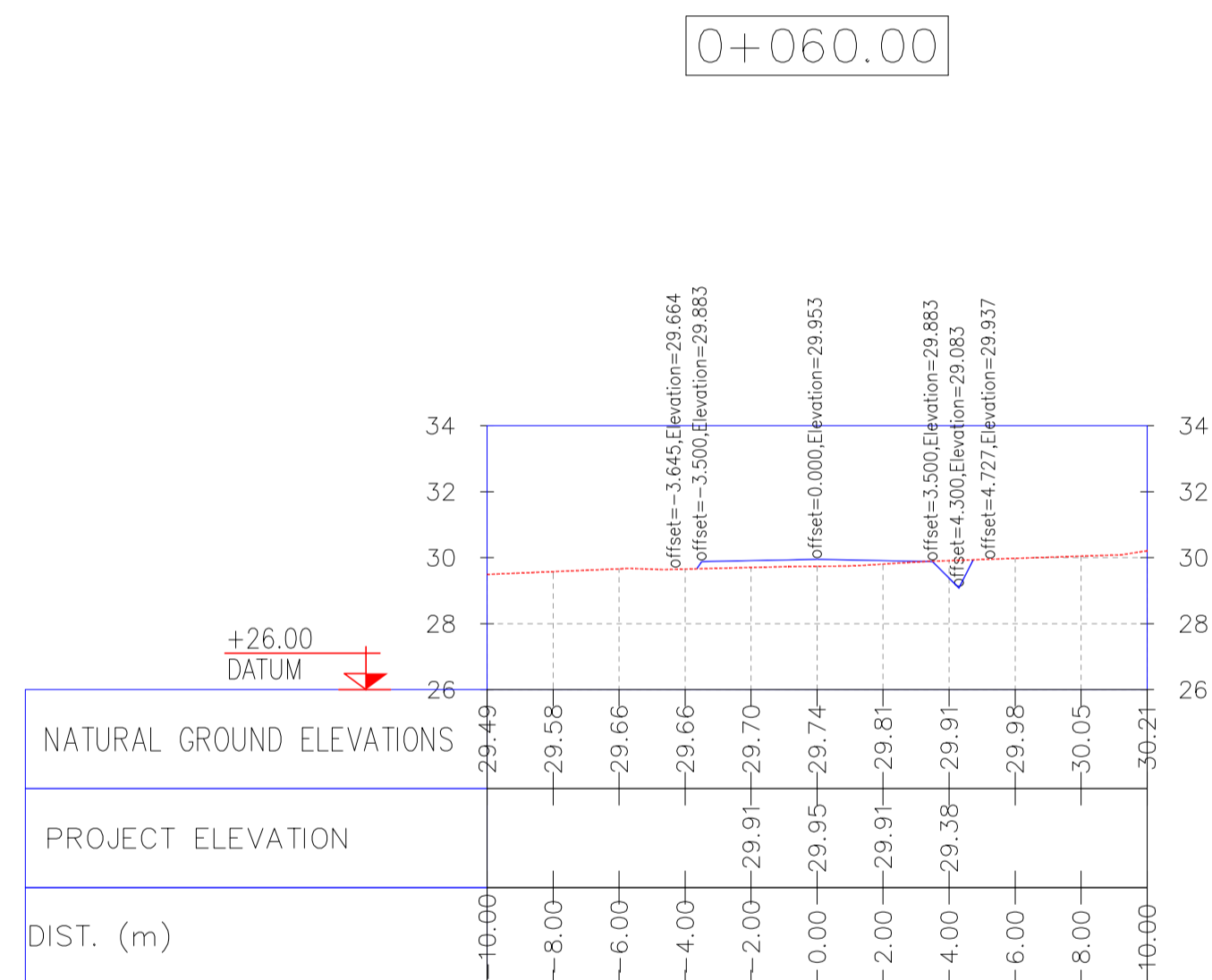
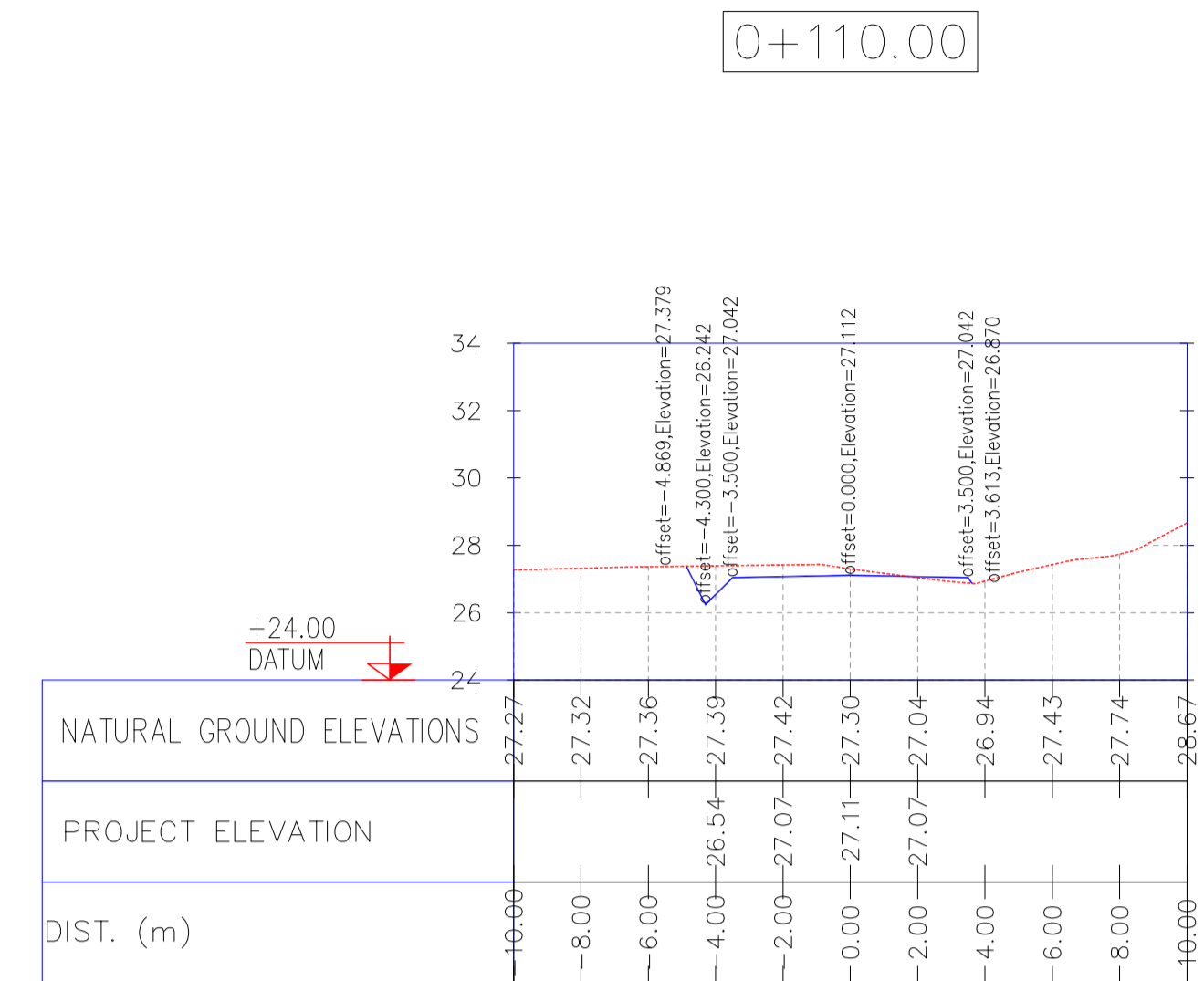
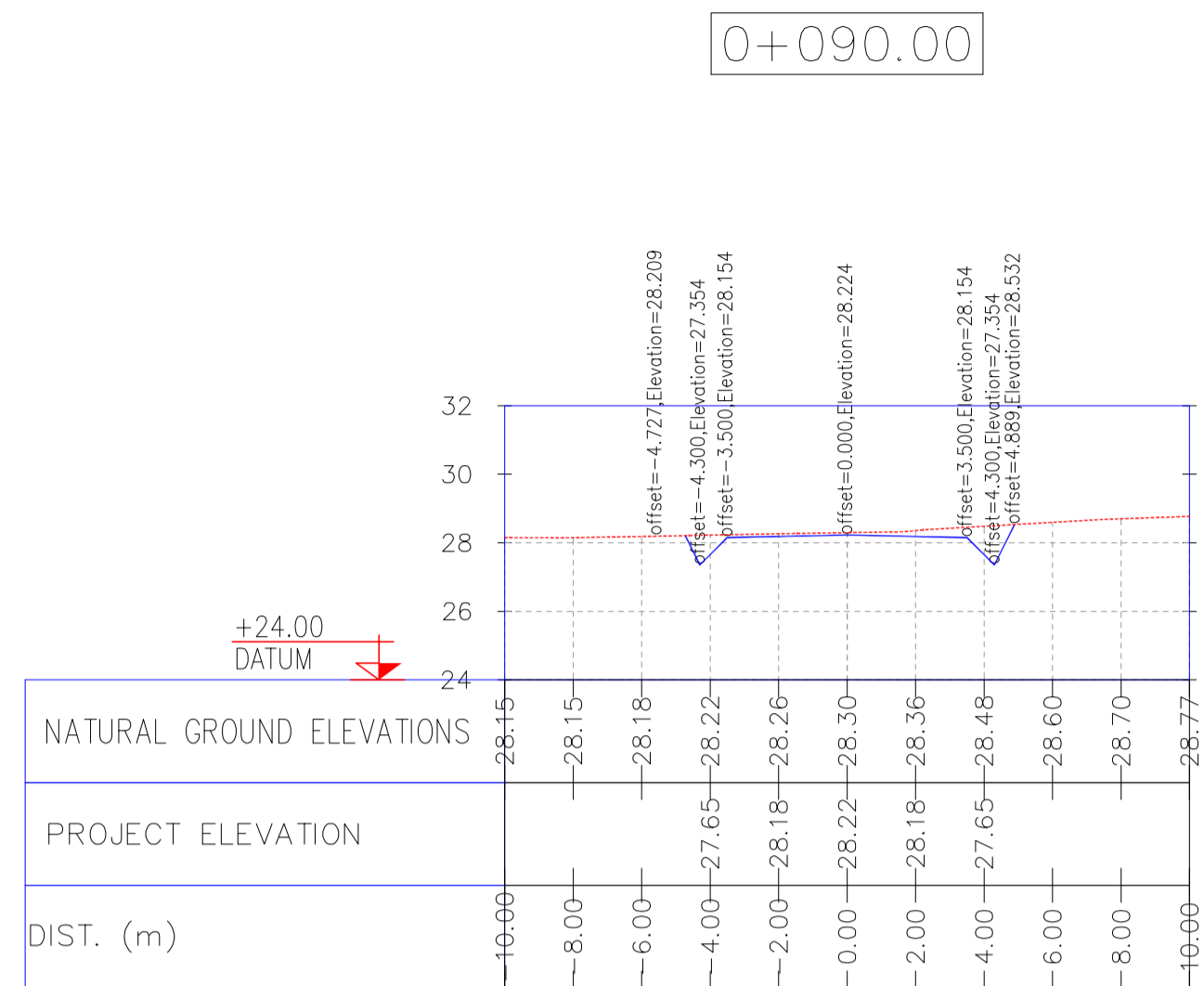
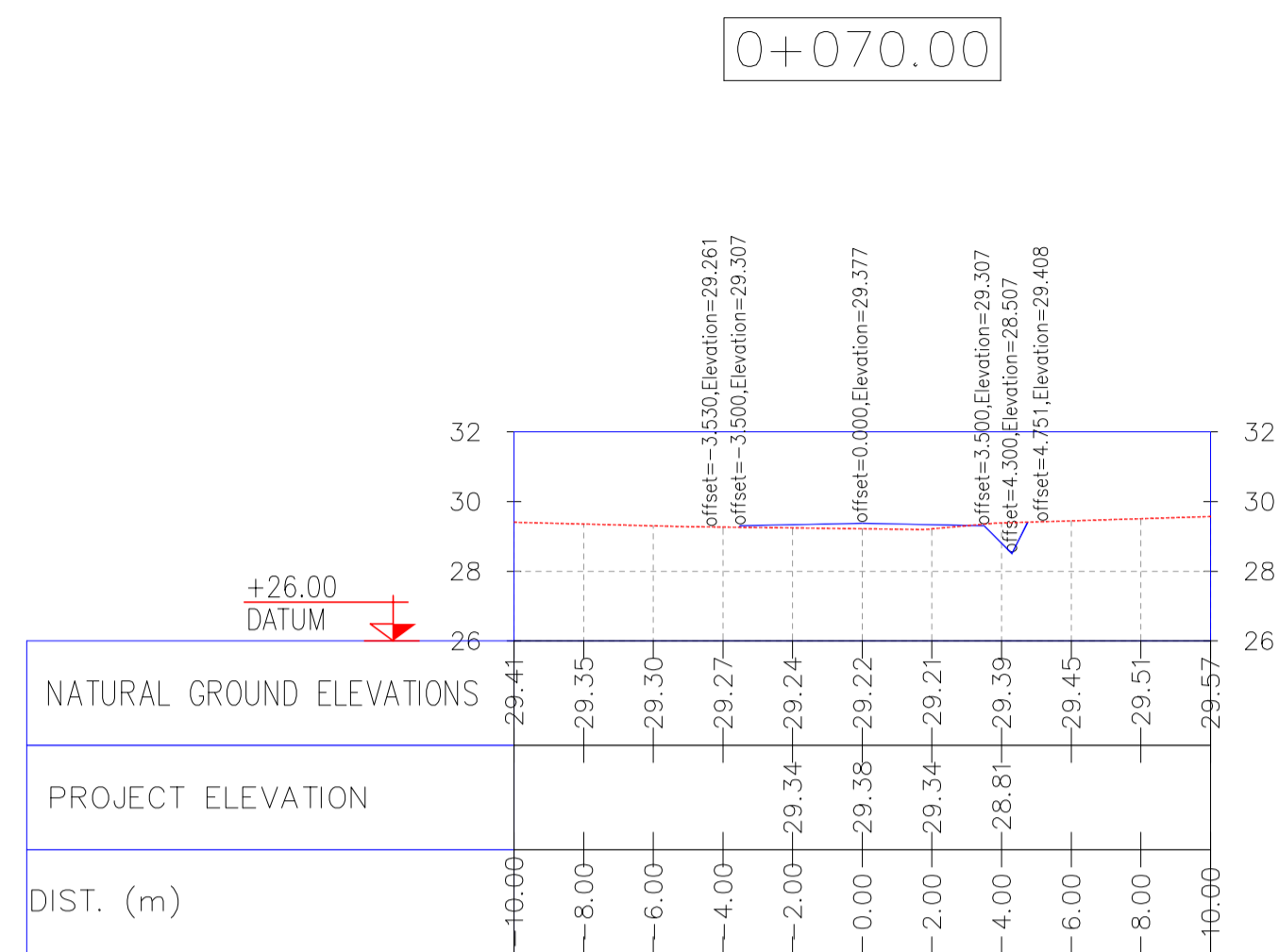
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| 1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 22 of 42 | D06 |

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|------|-------|------------|------------|--------------|
| | | | | |

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 22 | D06 |



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

| REV. | DESCRIPTION | BY | DATE | BY | DATE |
|------|-------------|-----|-------|-----|-------|
| *** | ***** | *** | ***** | *** | ***** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 70 ~110M

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
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| H=1/200 V=1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 23 of 42 | D06 |

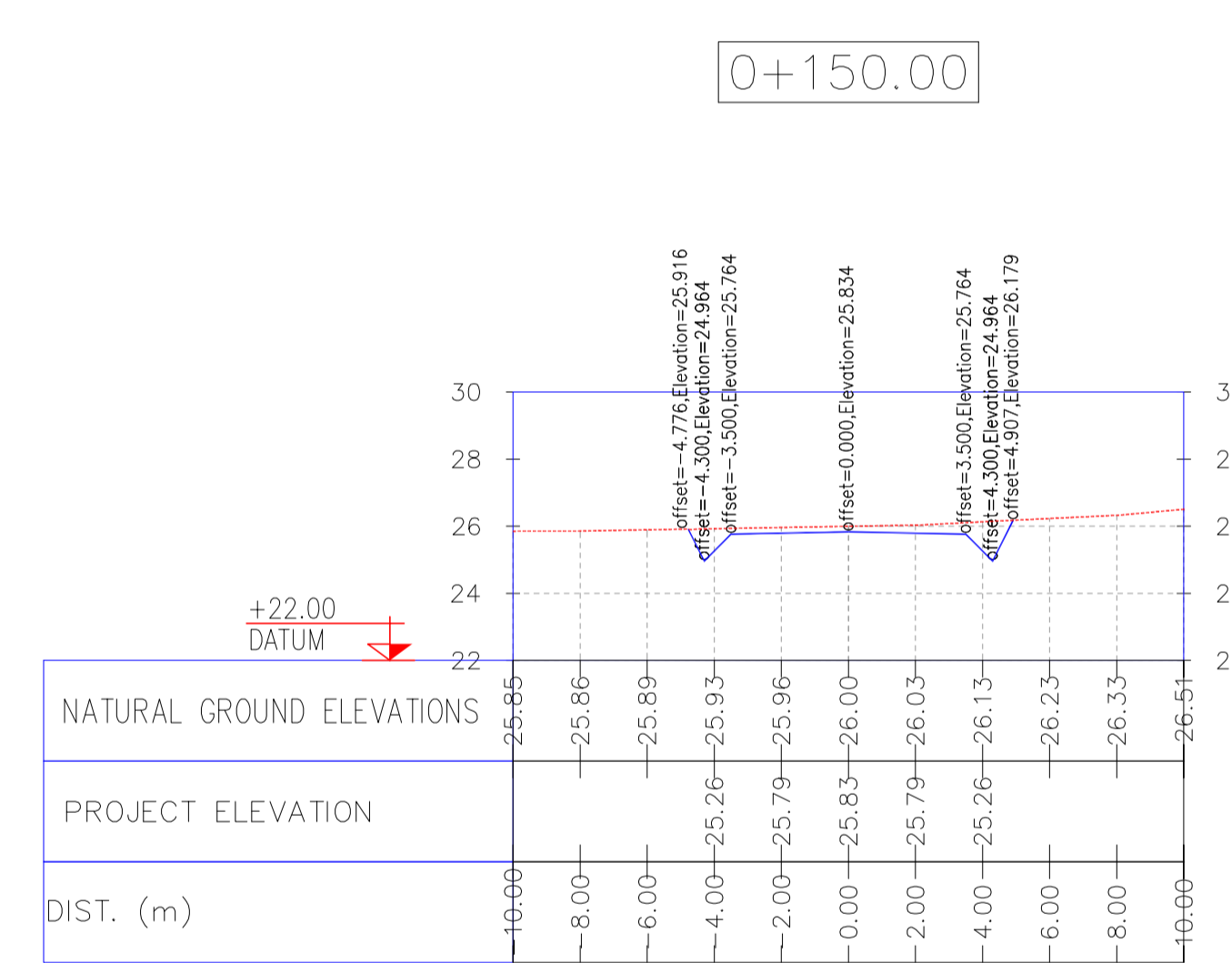
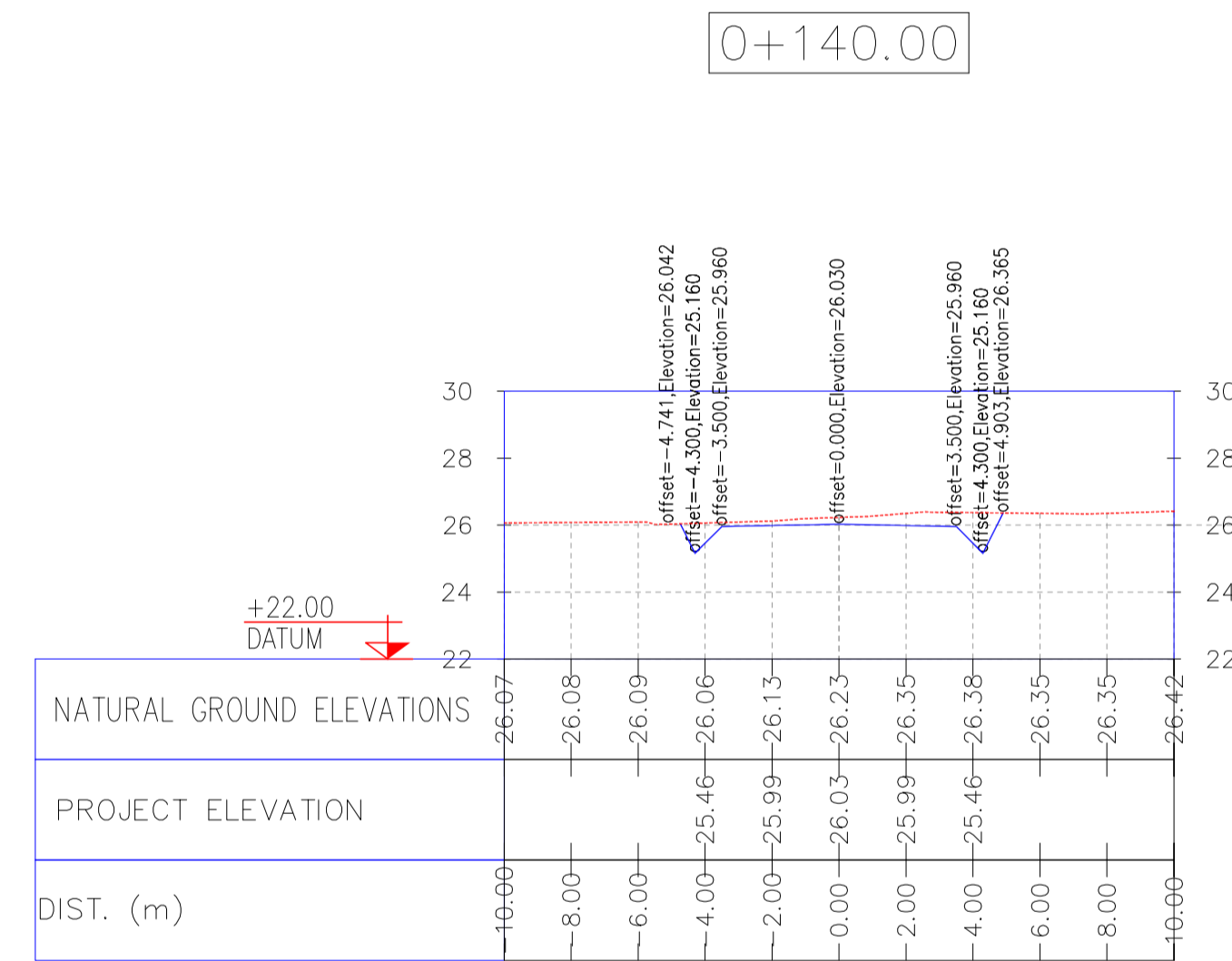
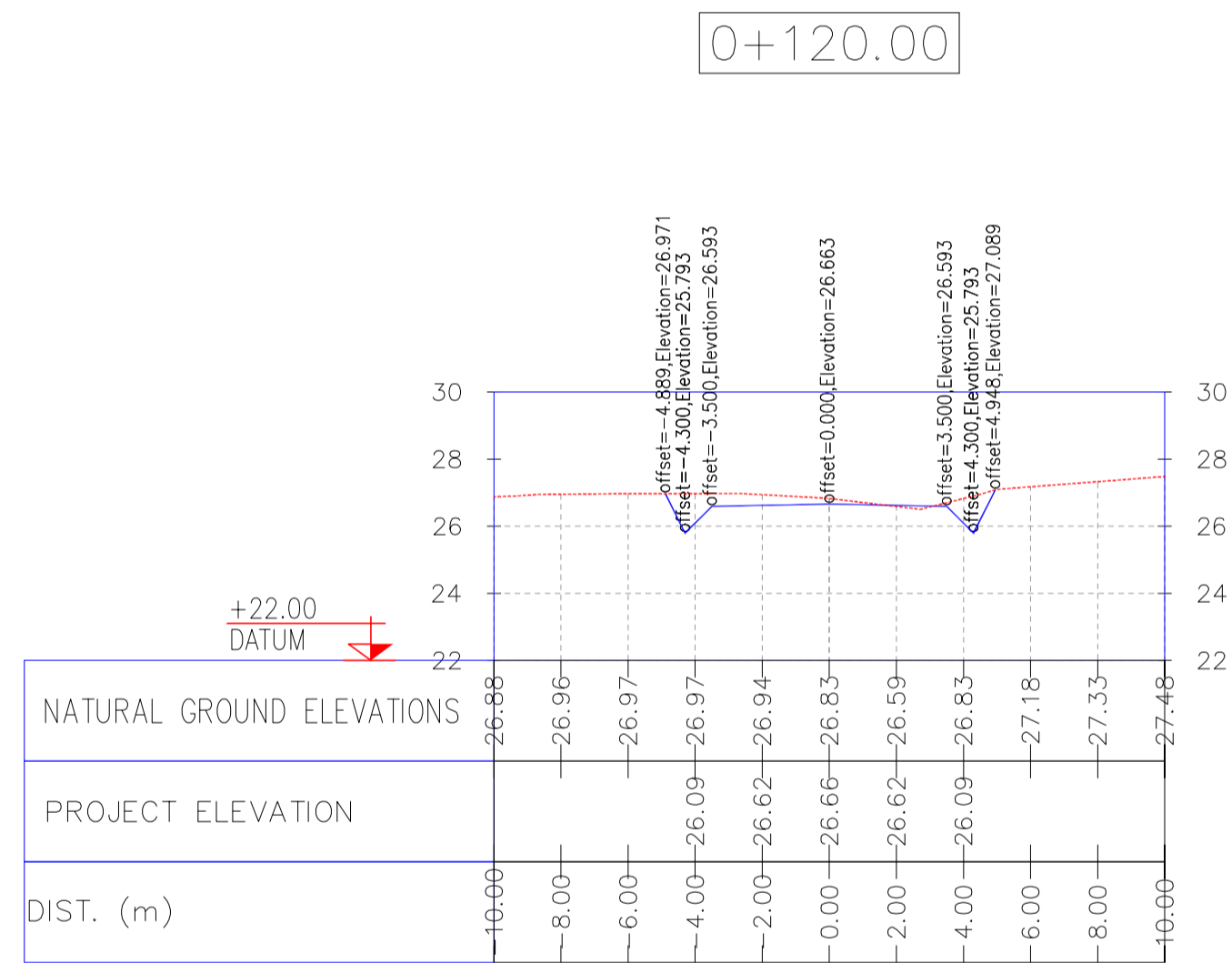
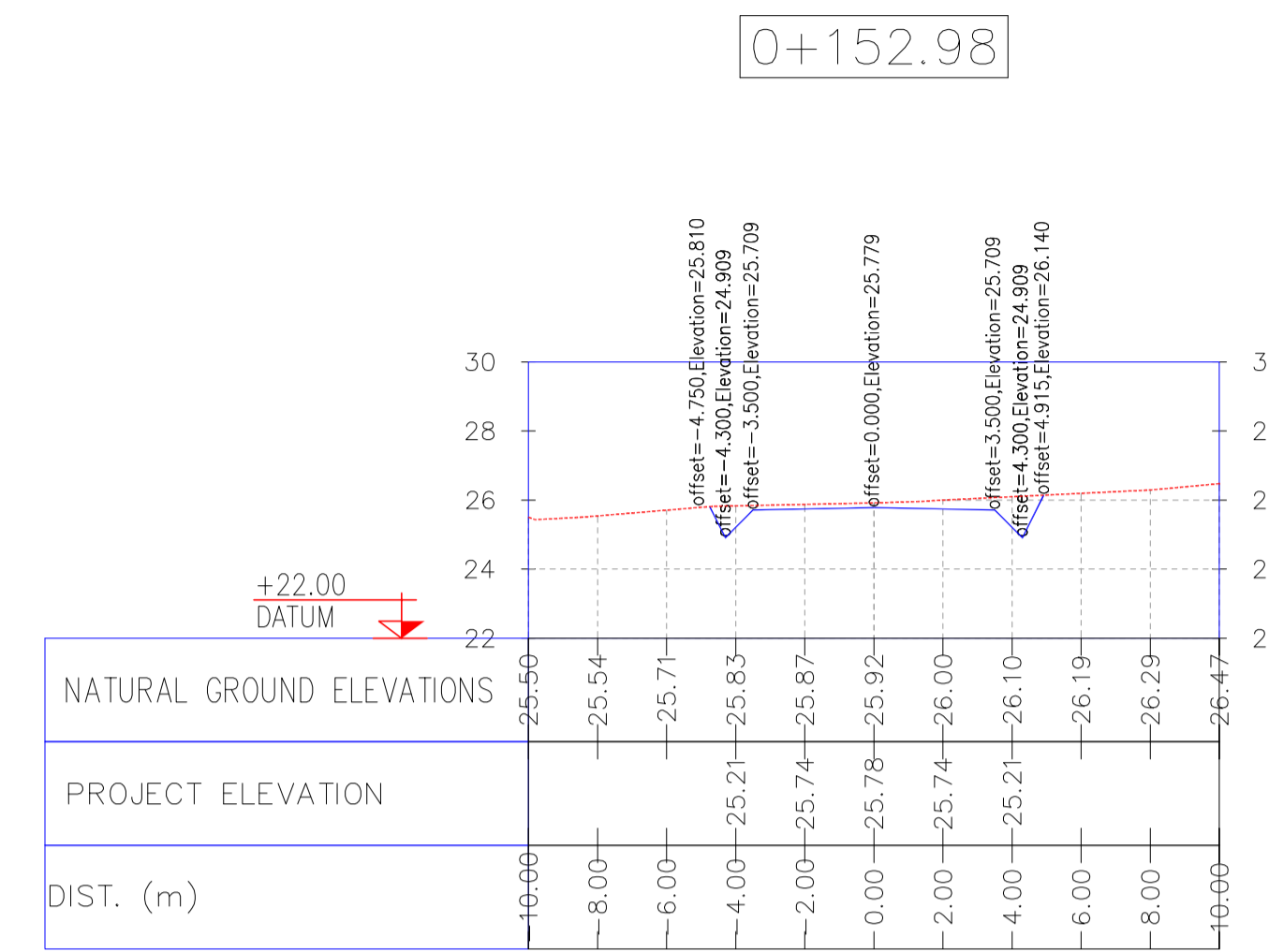
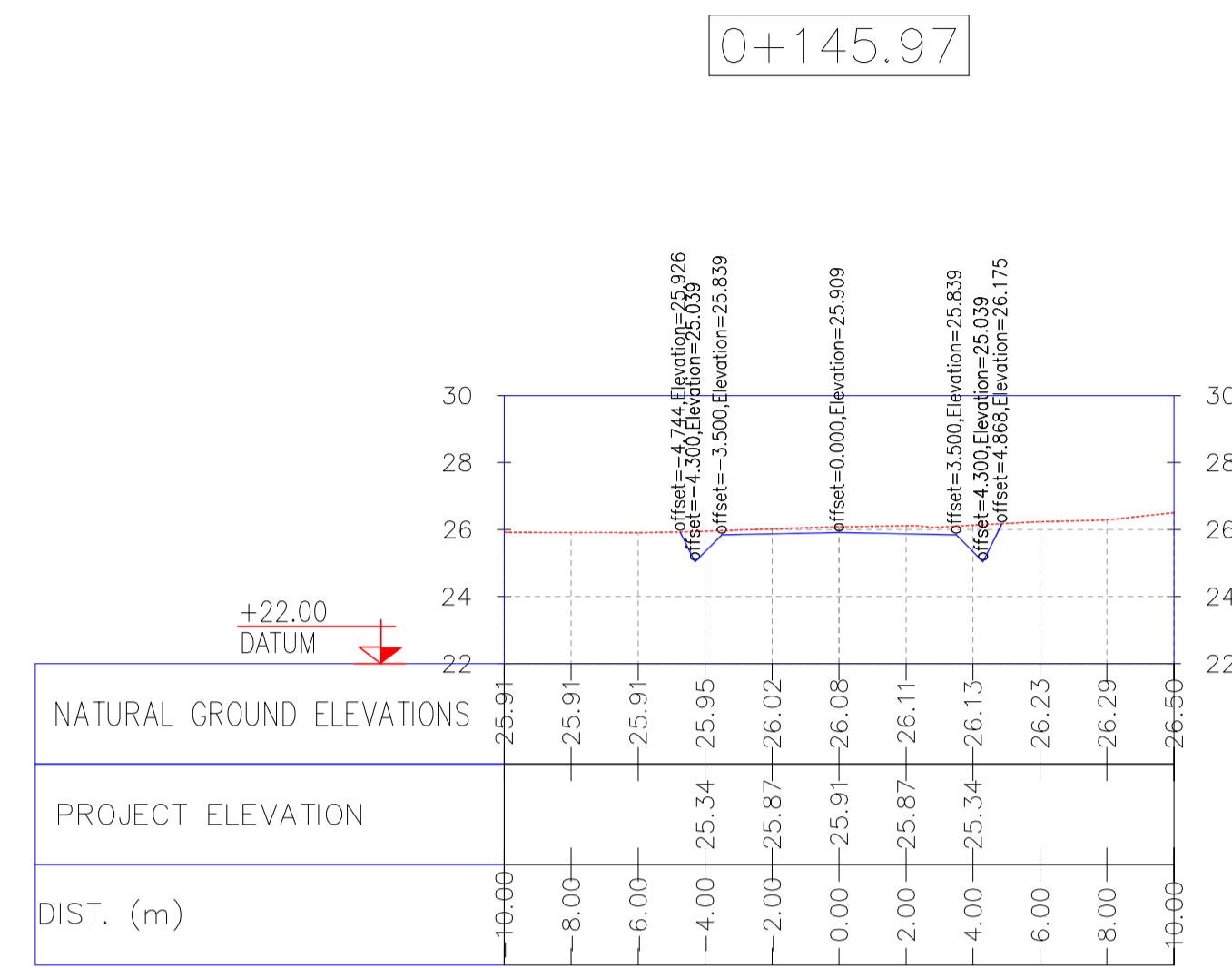
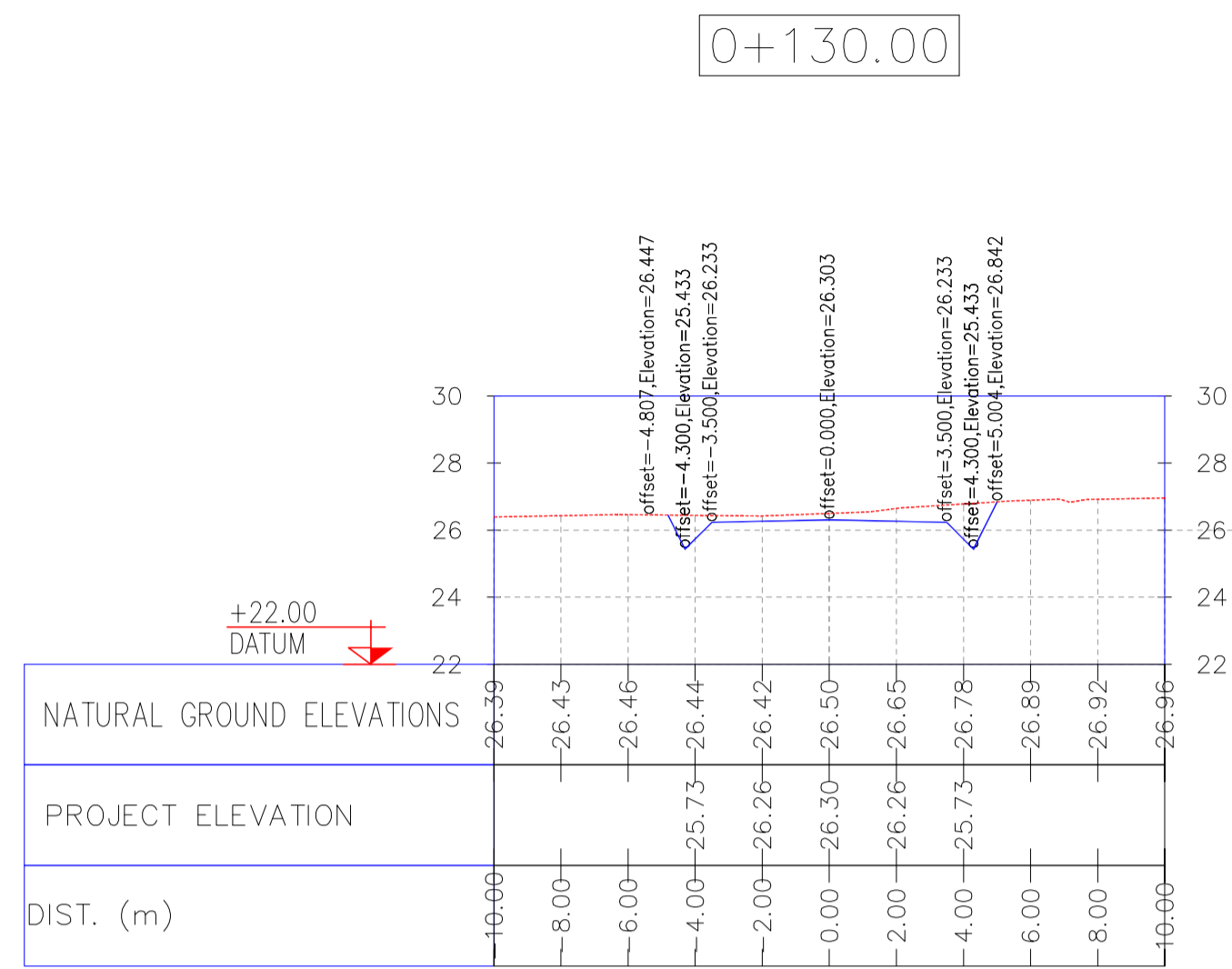
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |

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| APPROVED FOR CONSTRUCTION | BY: | DATE: |
|---------------------------|-----|-------|
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| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 23 | D06 |



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 130 ~152.98M

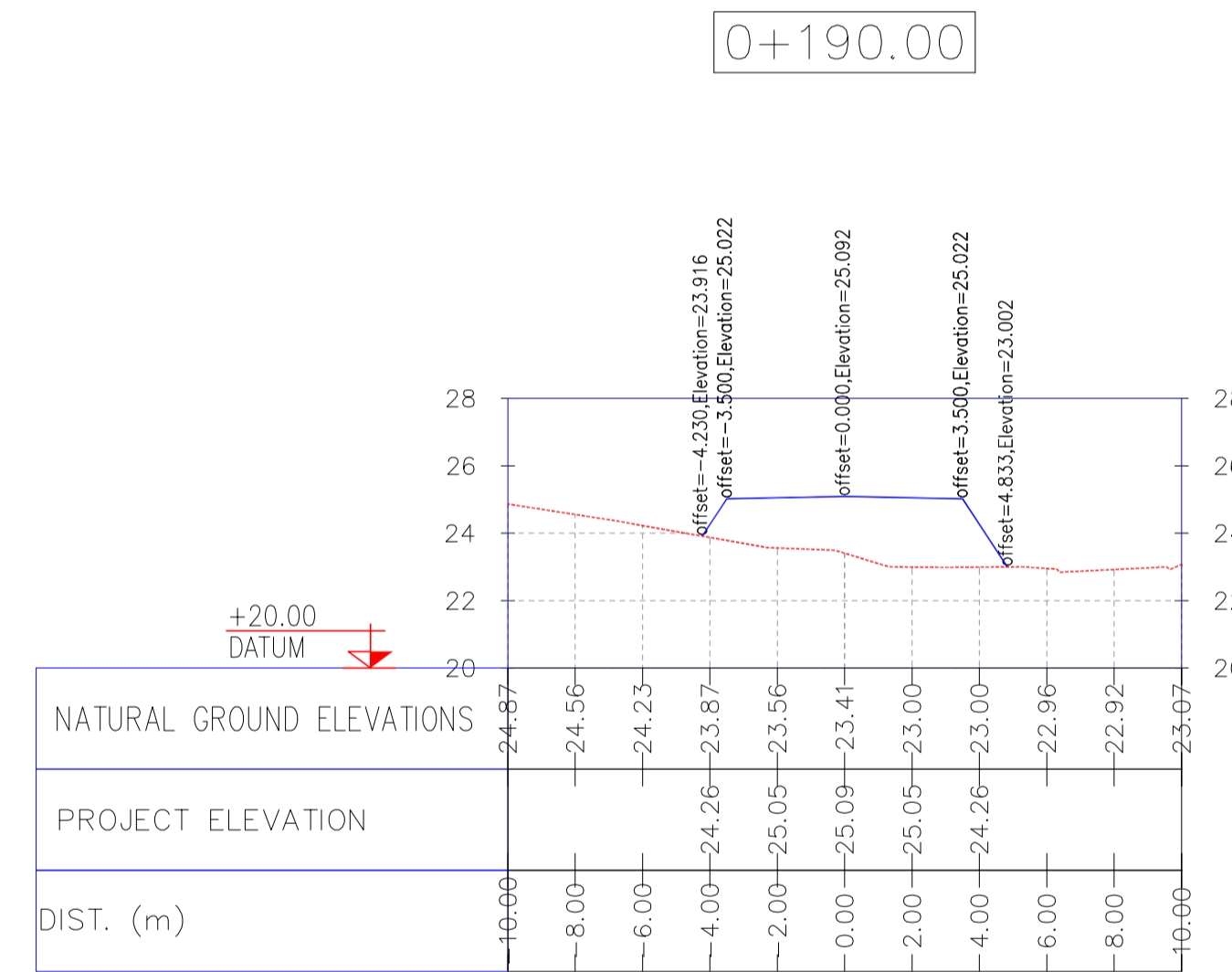
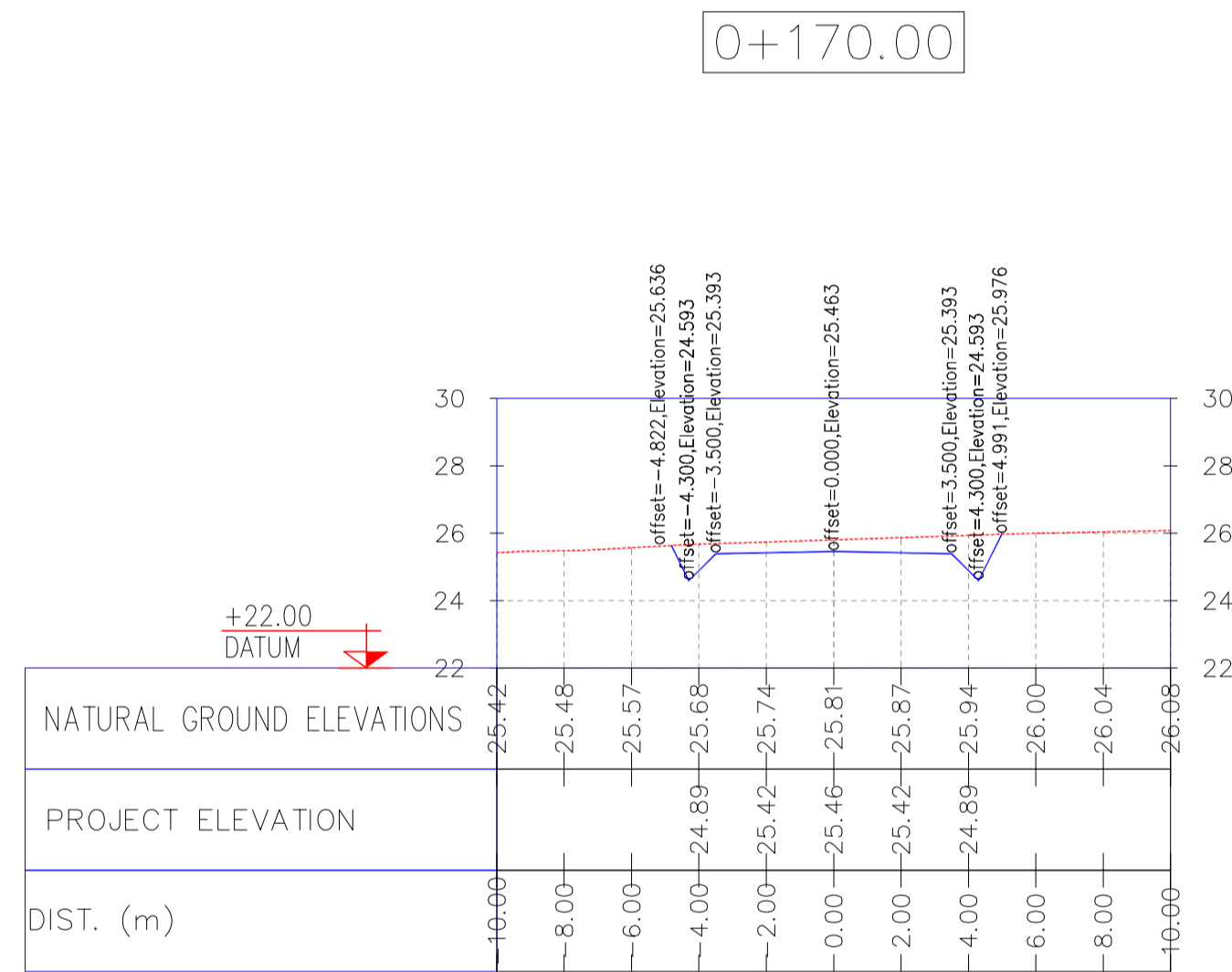
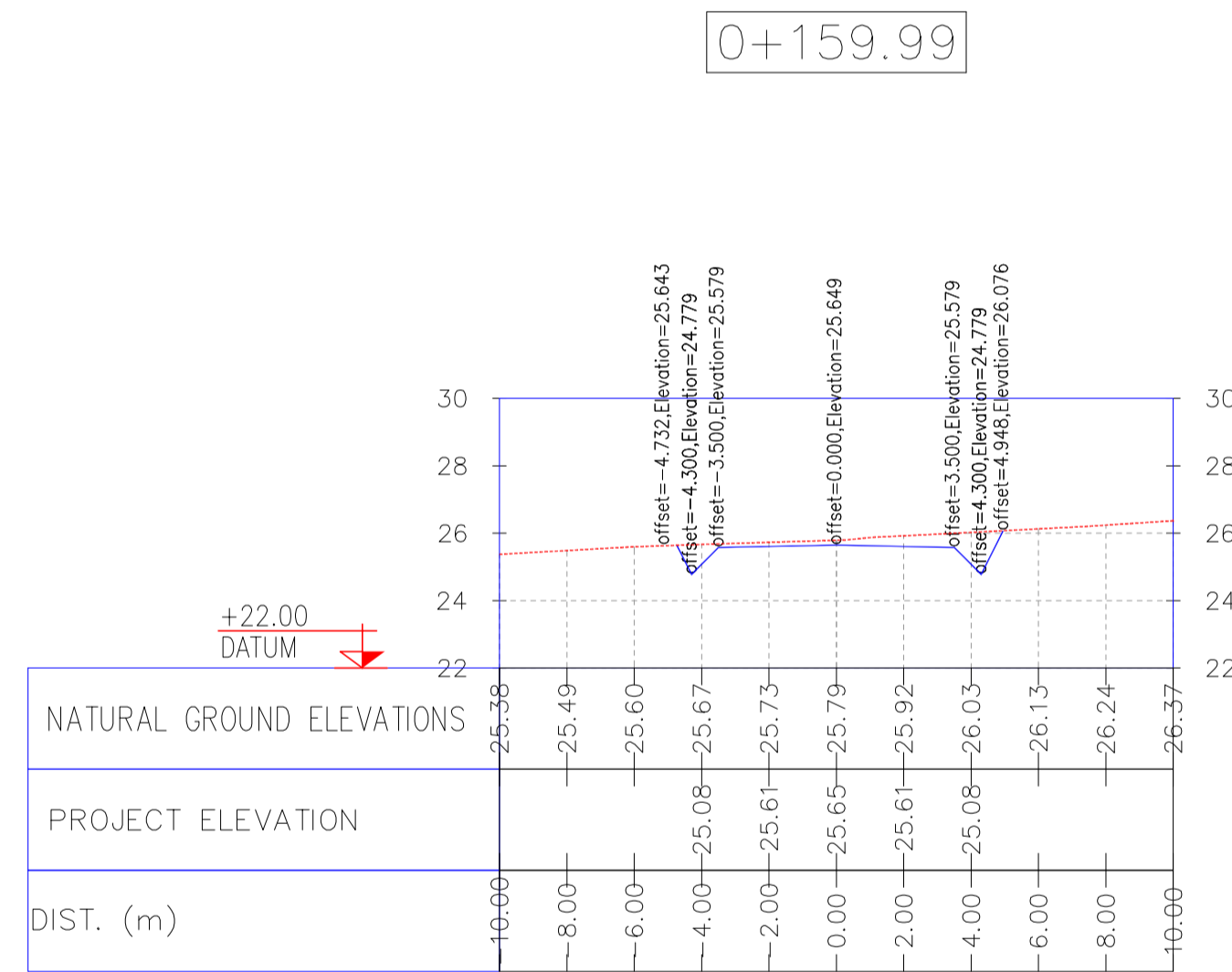
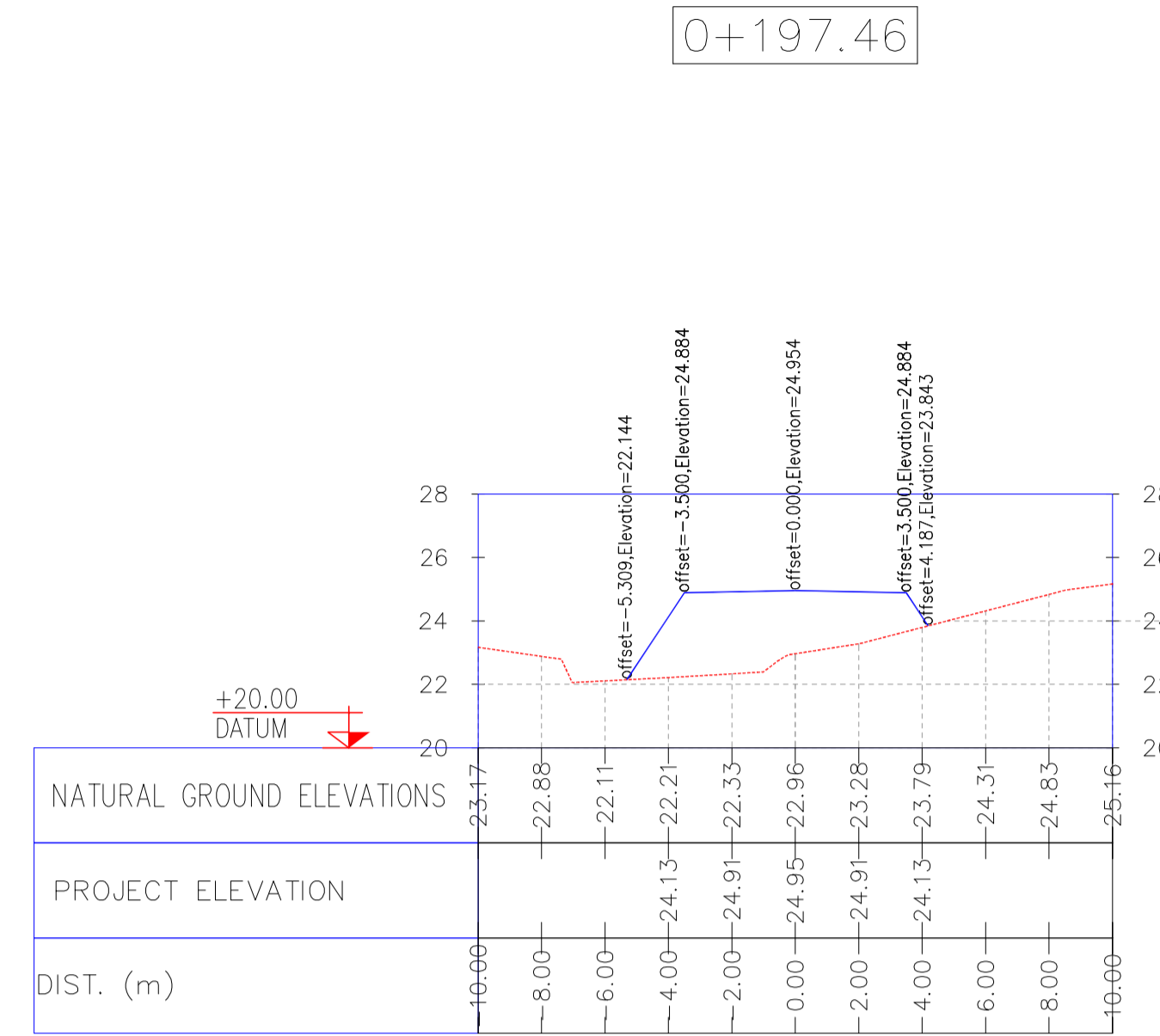
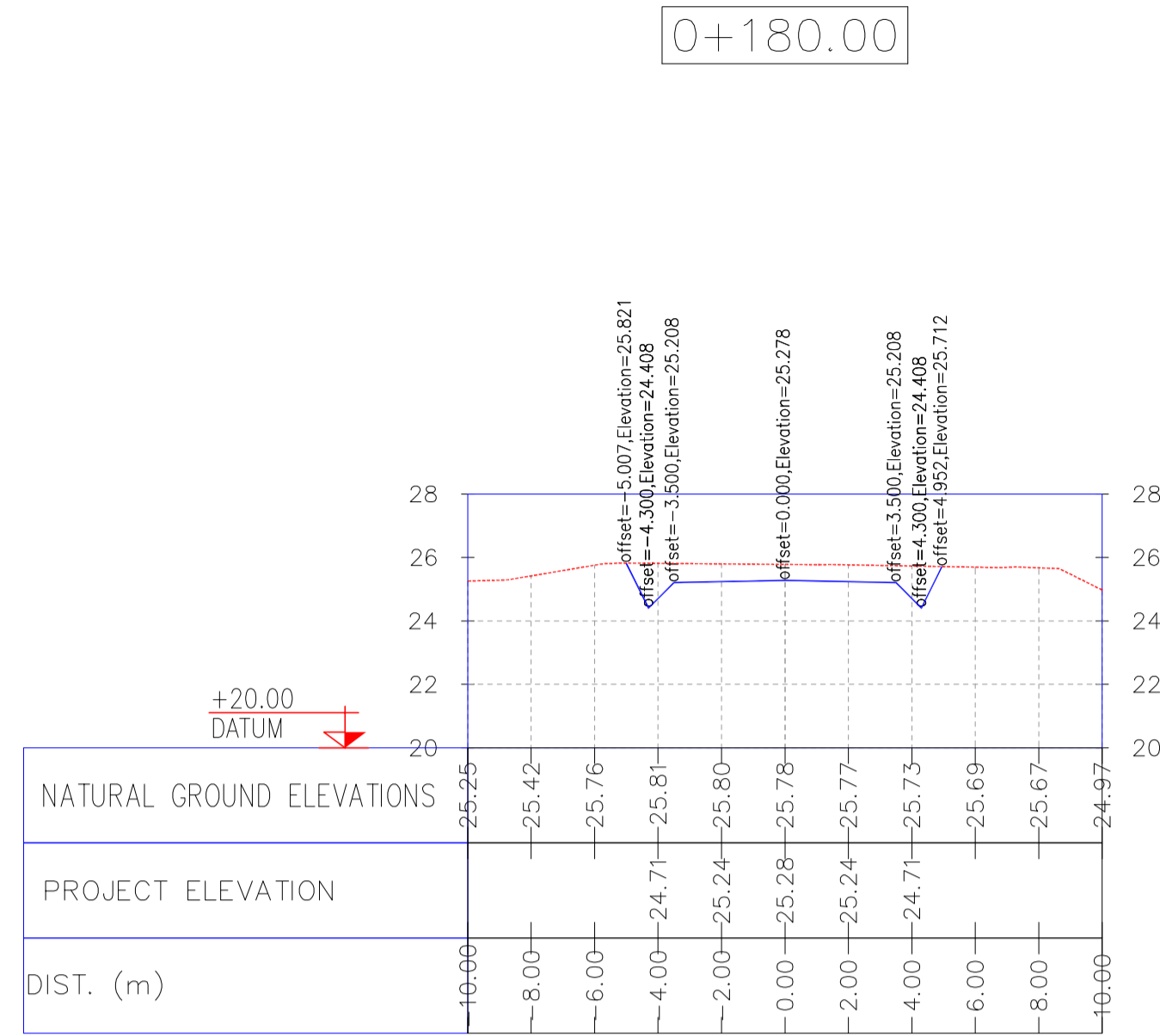
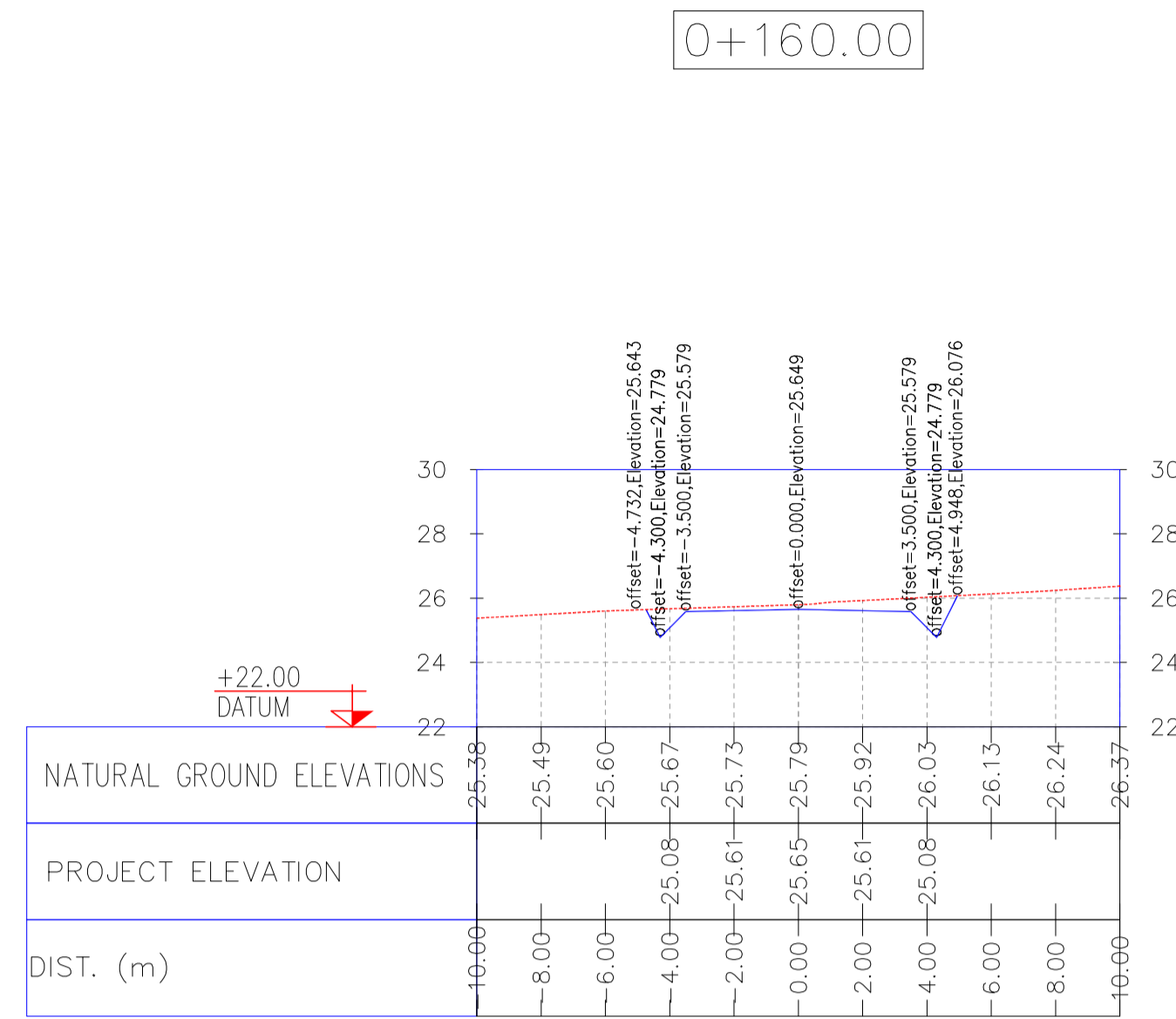
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| H=1/200 V=1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 24 of 42 | D06 |

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

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| APPROVED FOR CONSTRUCTION | BY: | DATE: |
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| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 24 | D06 |



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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRL-PEDCO-000-CV-SP-0004 |
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KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 160 ~197.46M

SCALE: 1/200

DRAWING NO.: BK-W028-PEDCO-110-CV-PY-0002

SHEET NO.: 25 OF 42

REV.: D06

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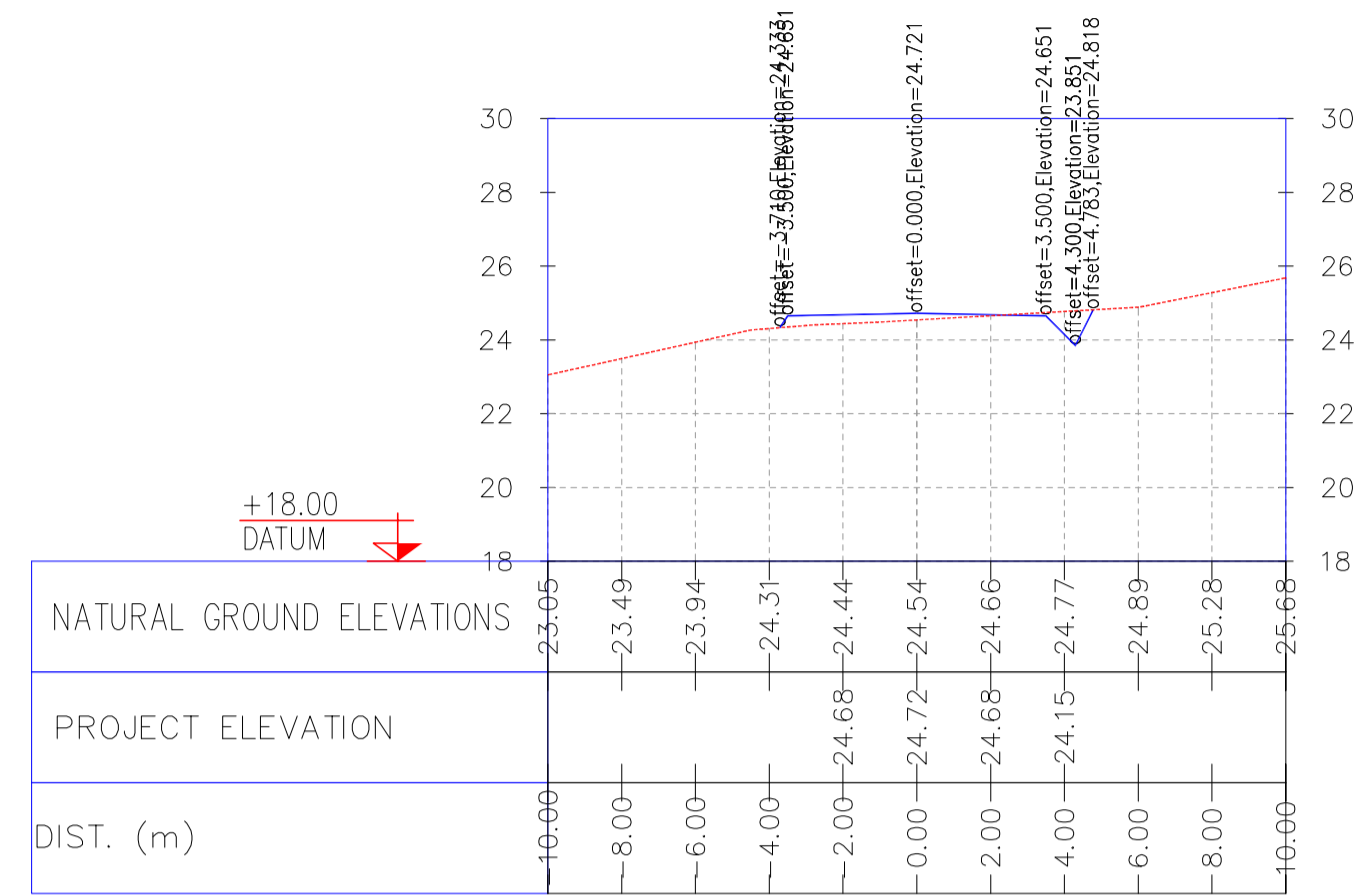
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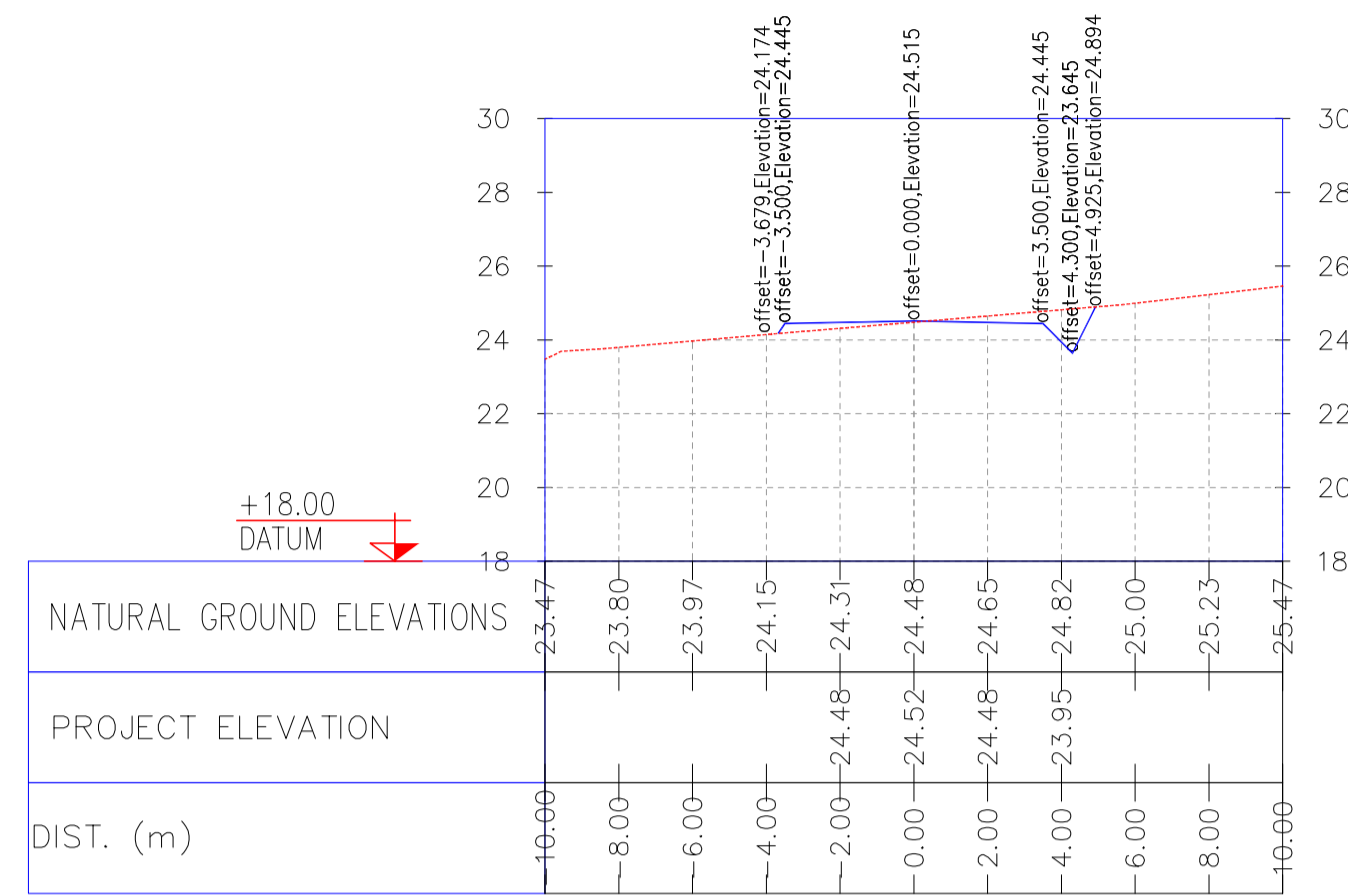
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| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
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| 053-073-9184 | F | 4 | S | 707548 | 25 | D06 |

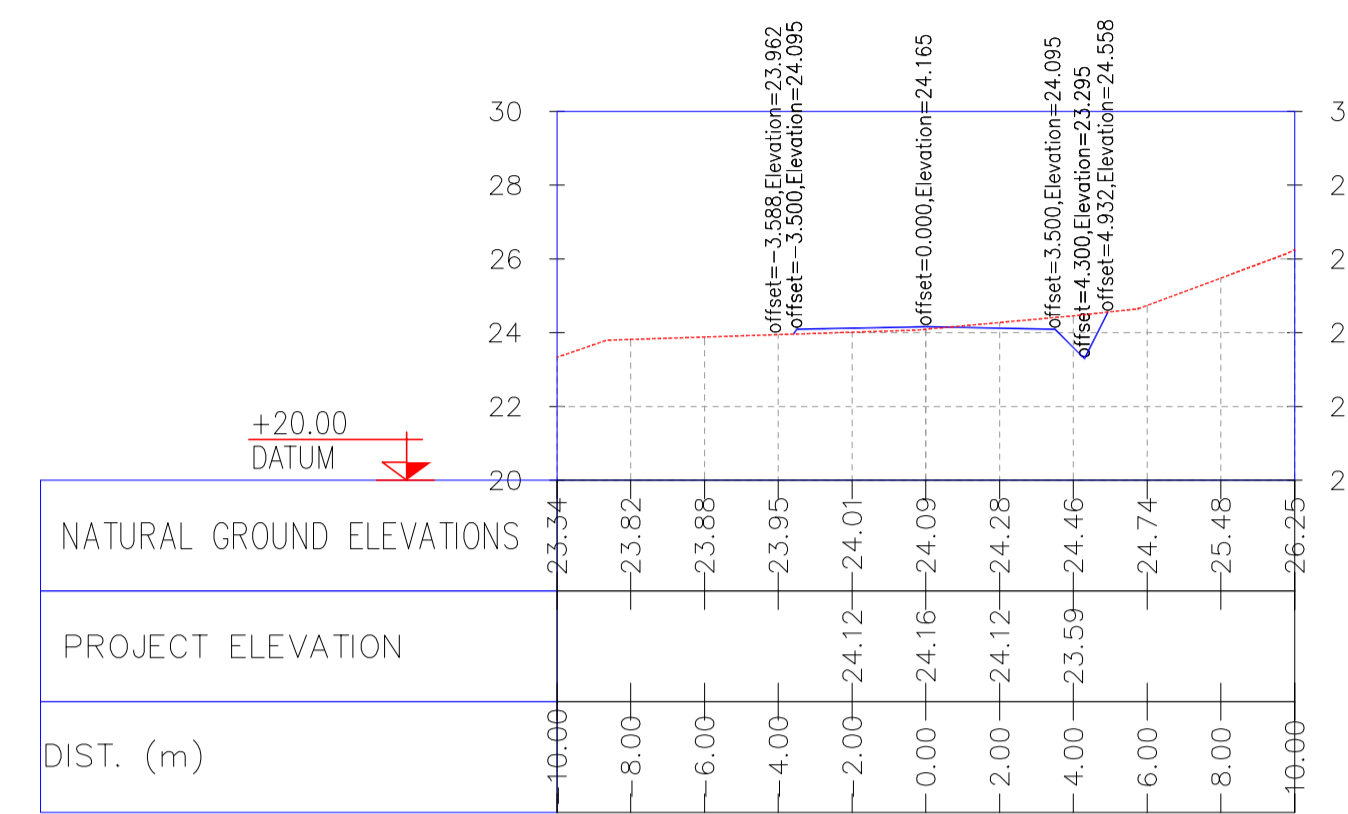
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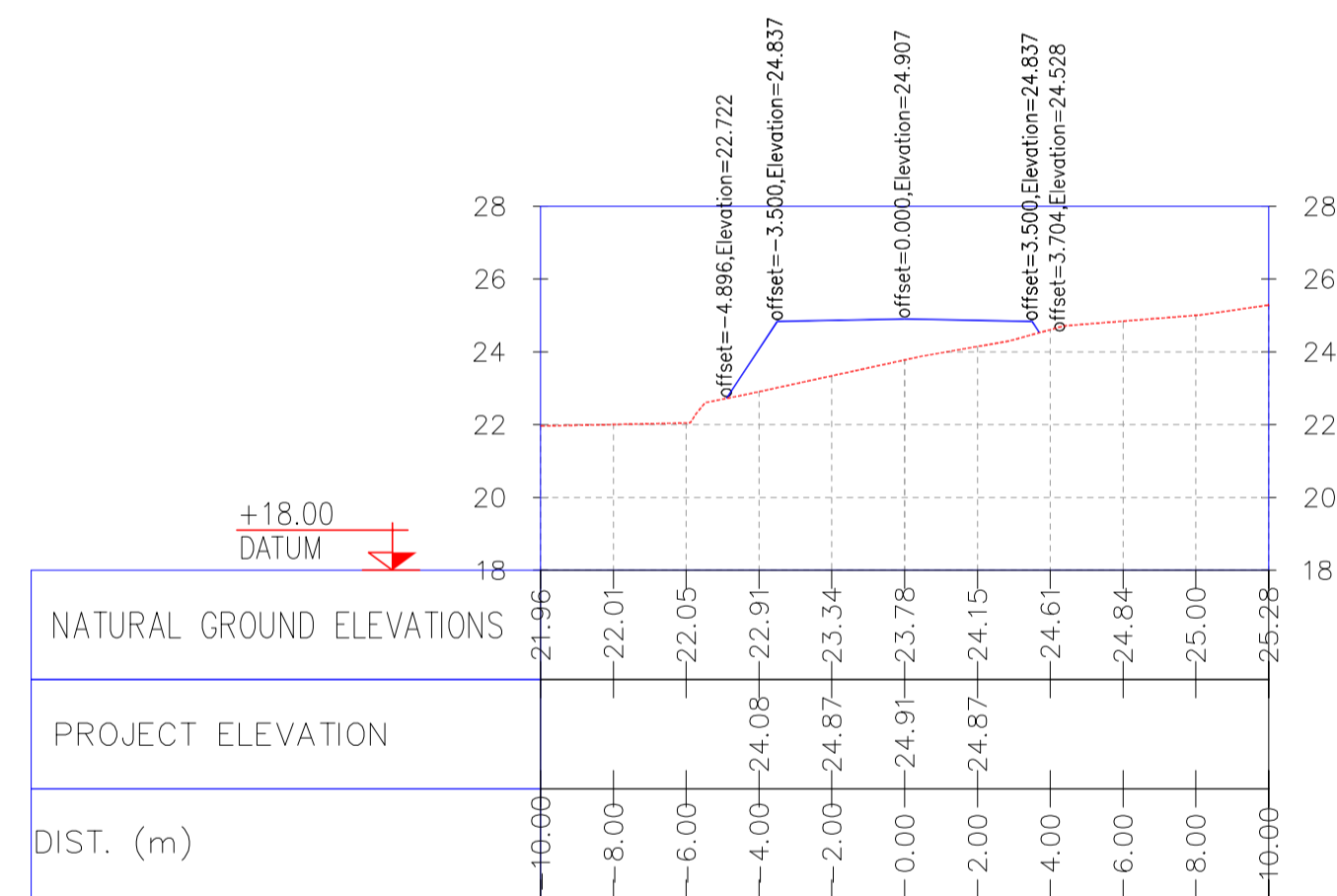
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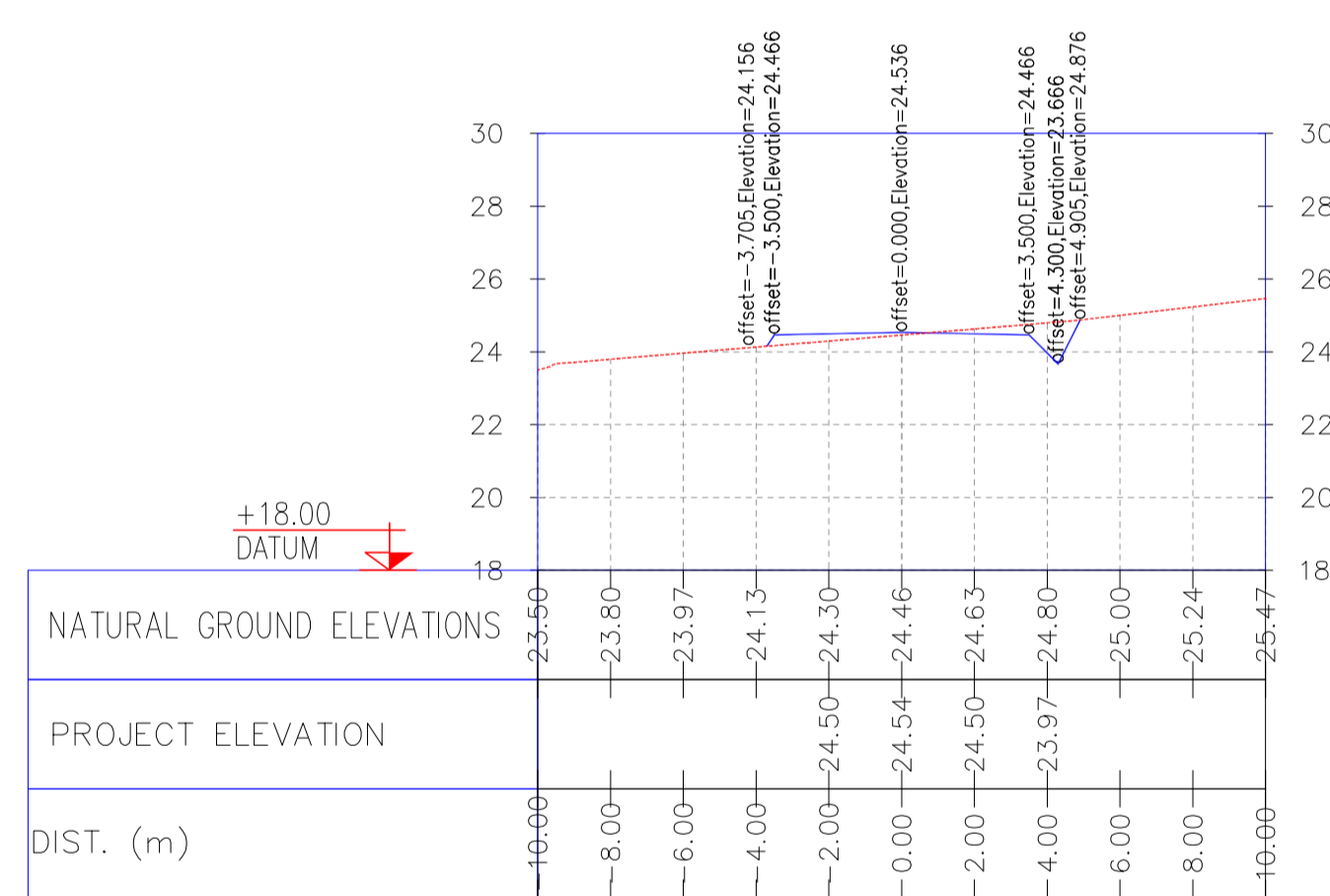
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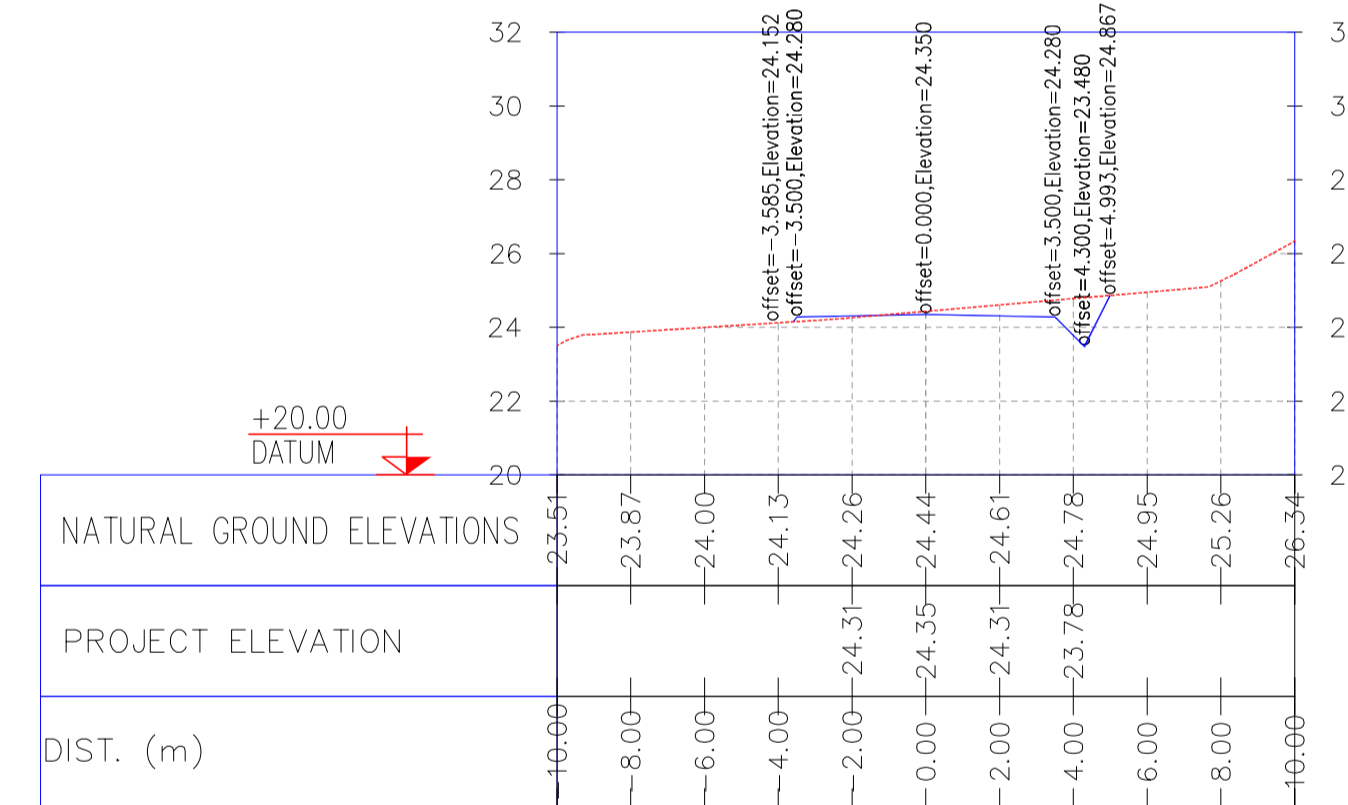
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0+220.00



0+230.00



NOTES

- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
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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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 210~240M

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|--------------------|------|------------------------------|-----------|------|
| H=1/200 V=1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 26 of 42 | D06 |

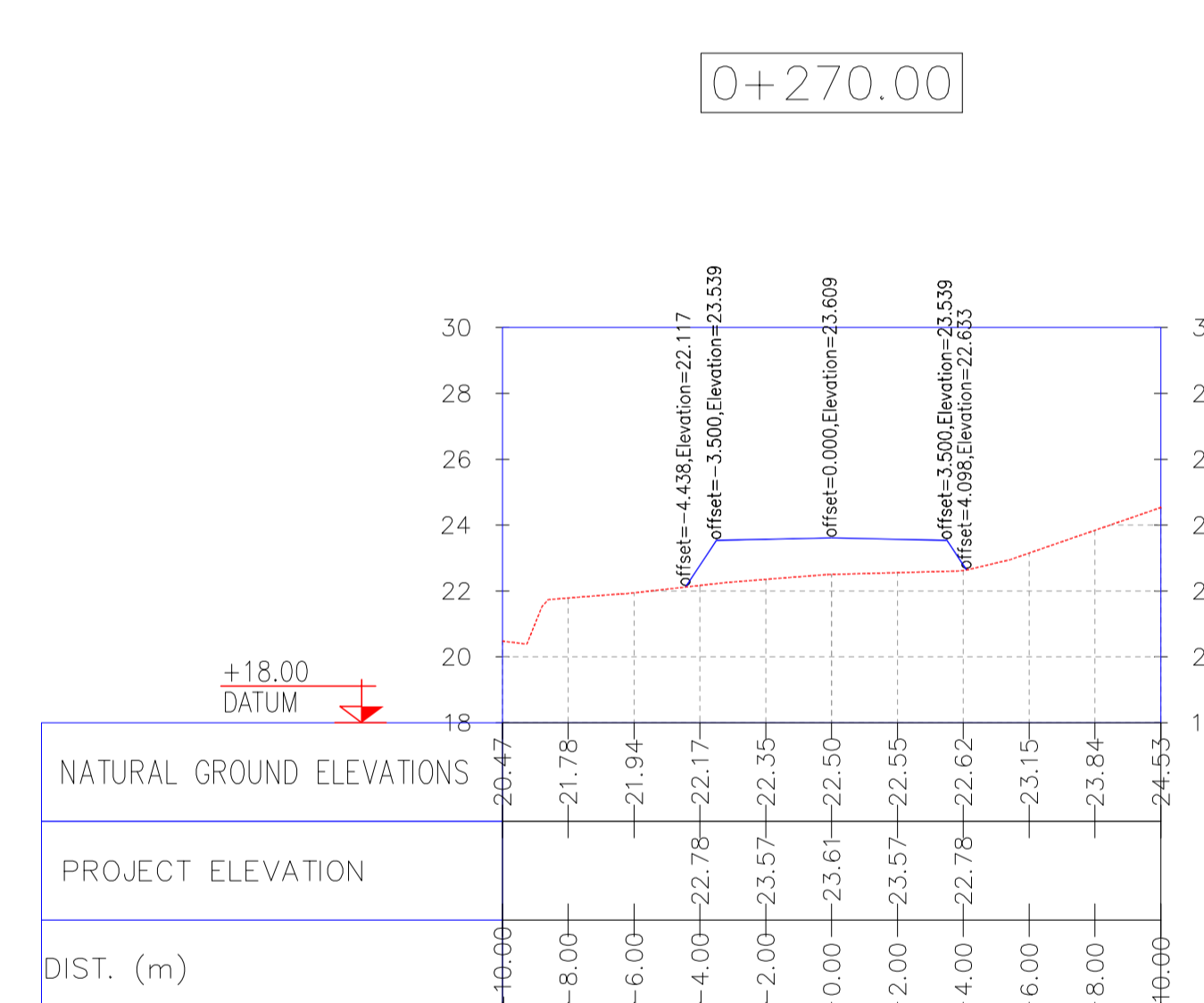
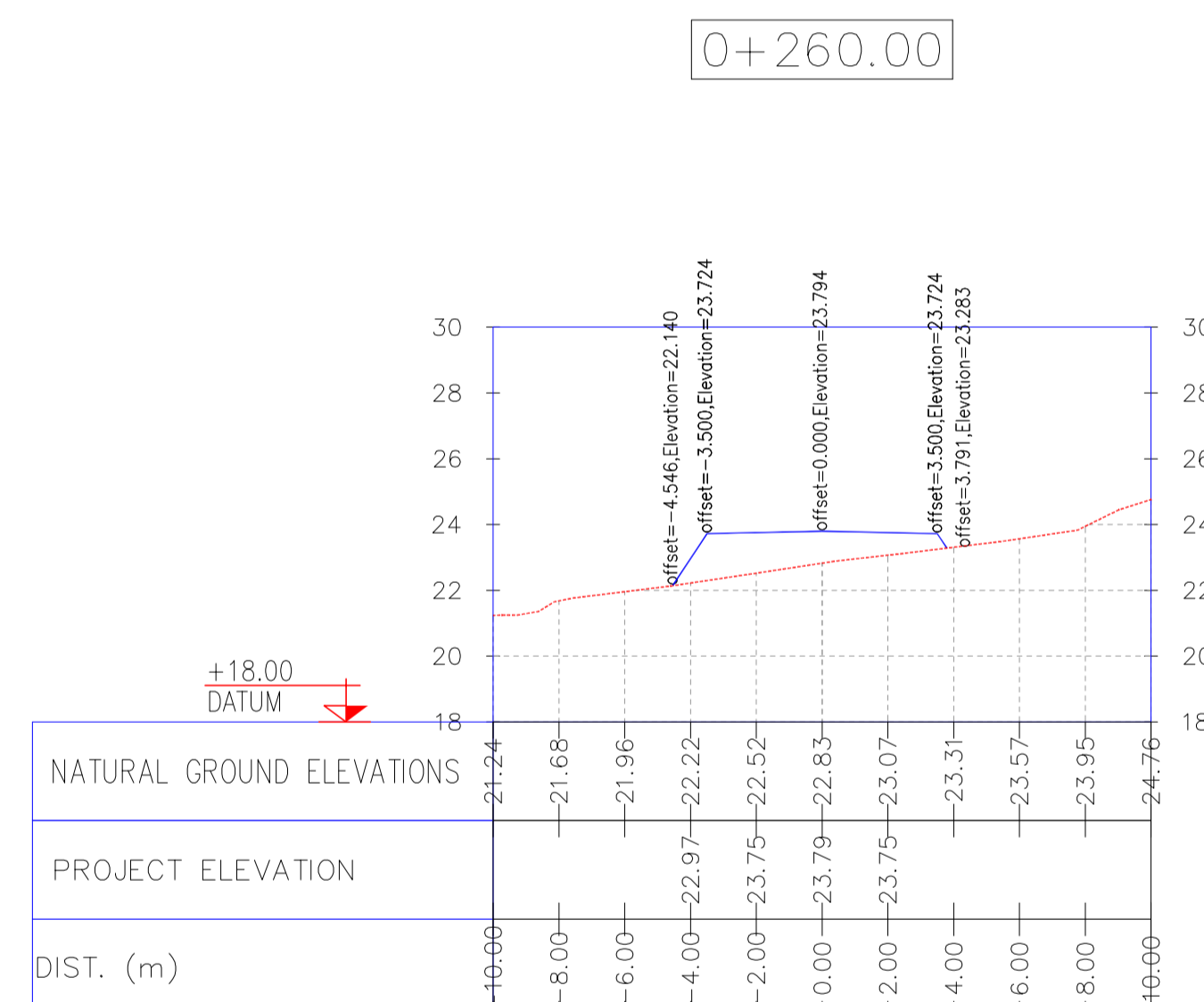
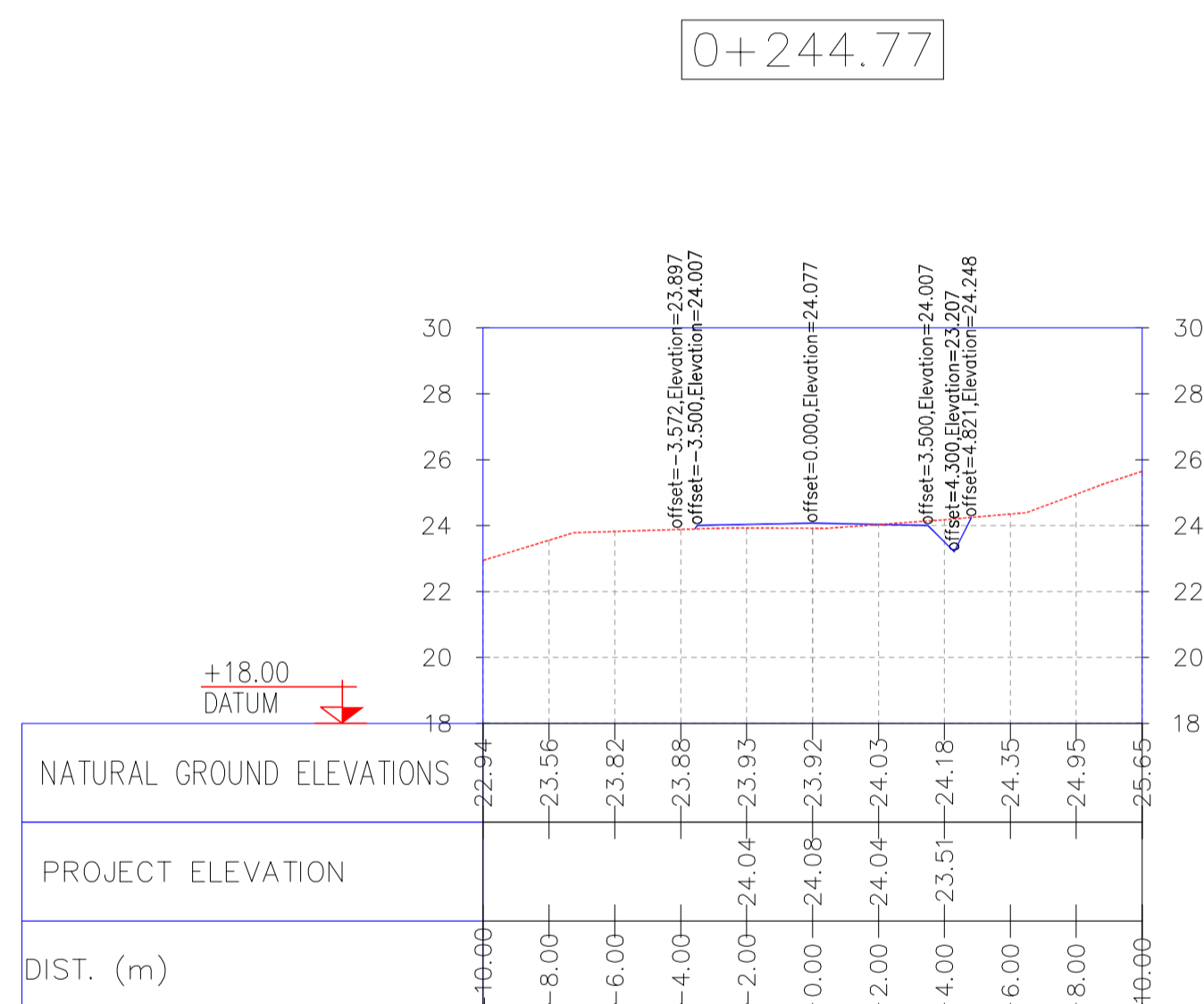
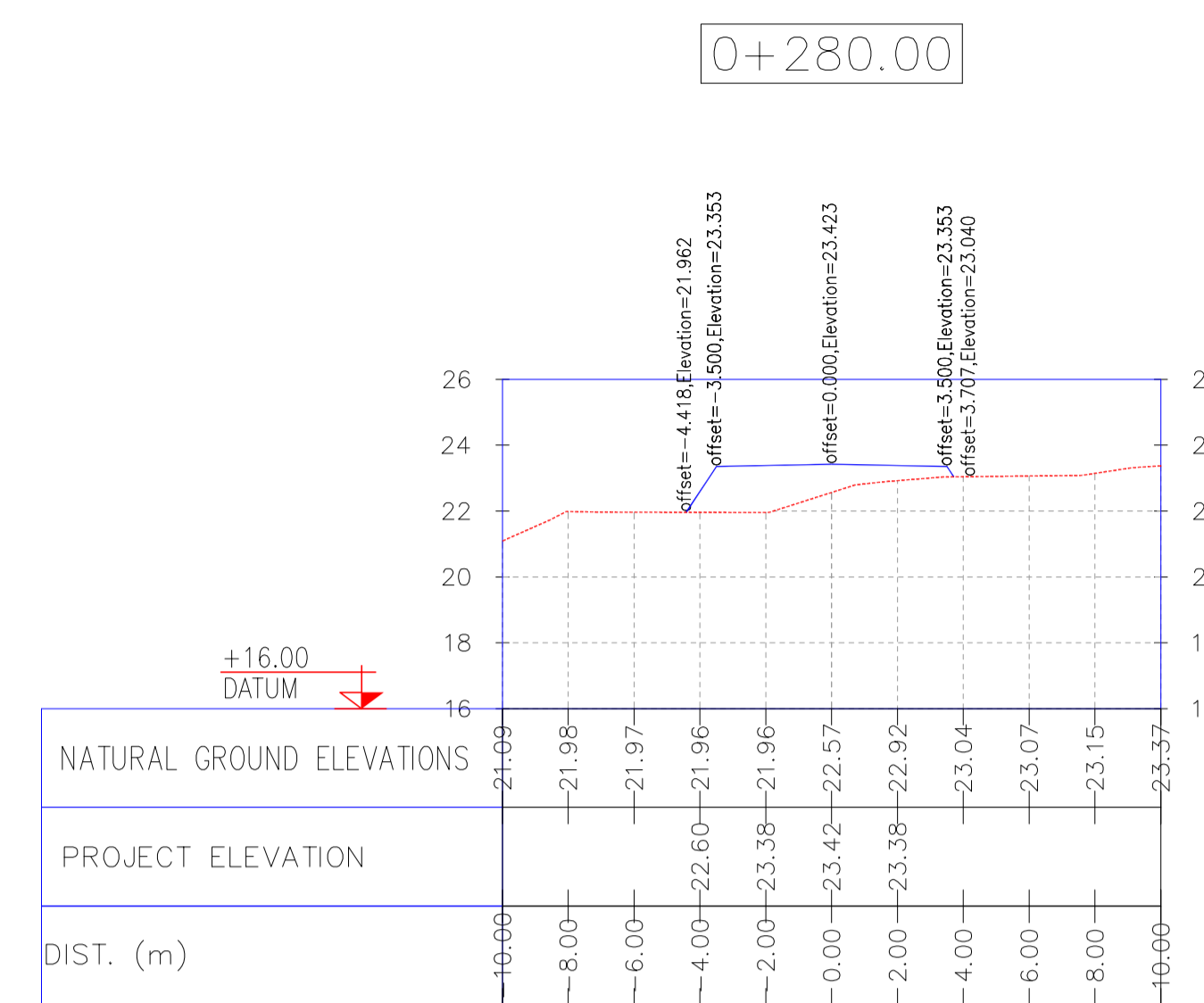
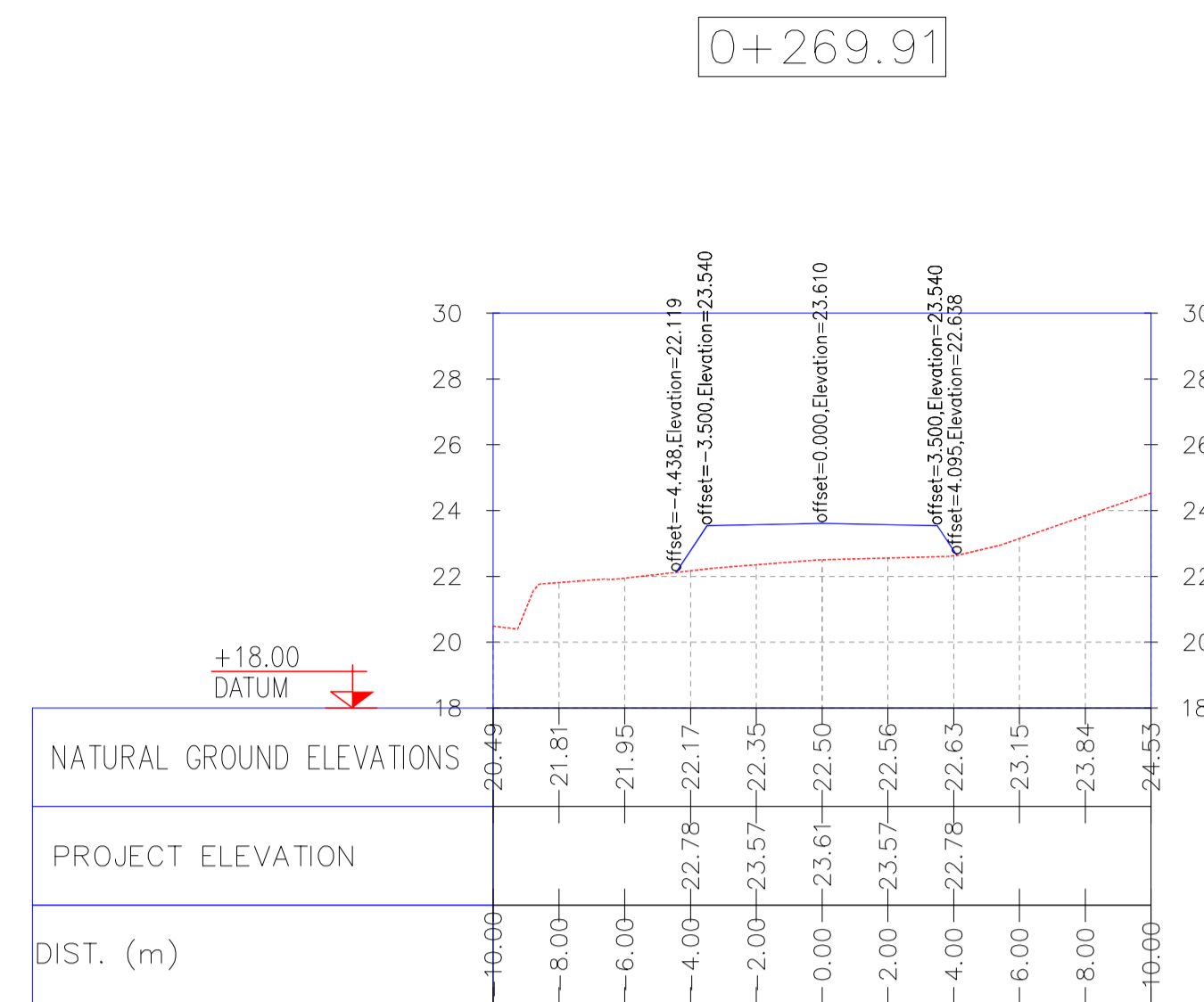
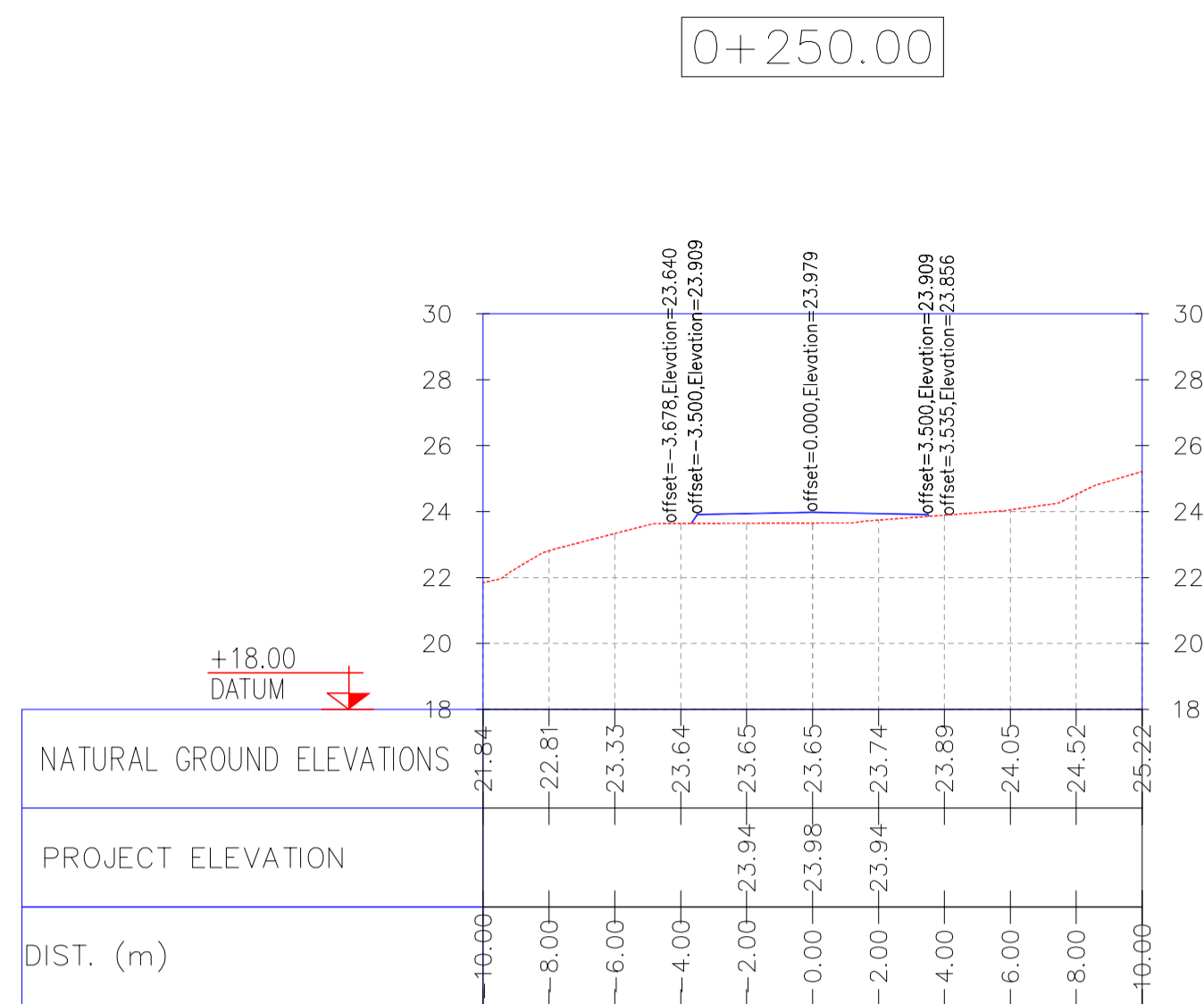
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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| | | | | |

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 26 | D06 |



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| | | | | | | |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |
| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

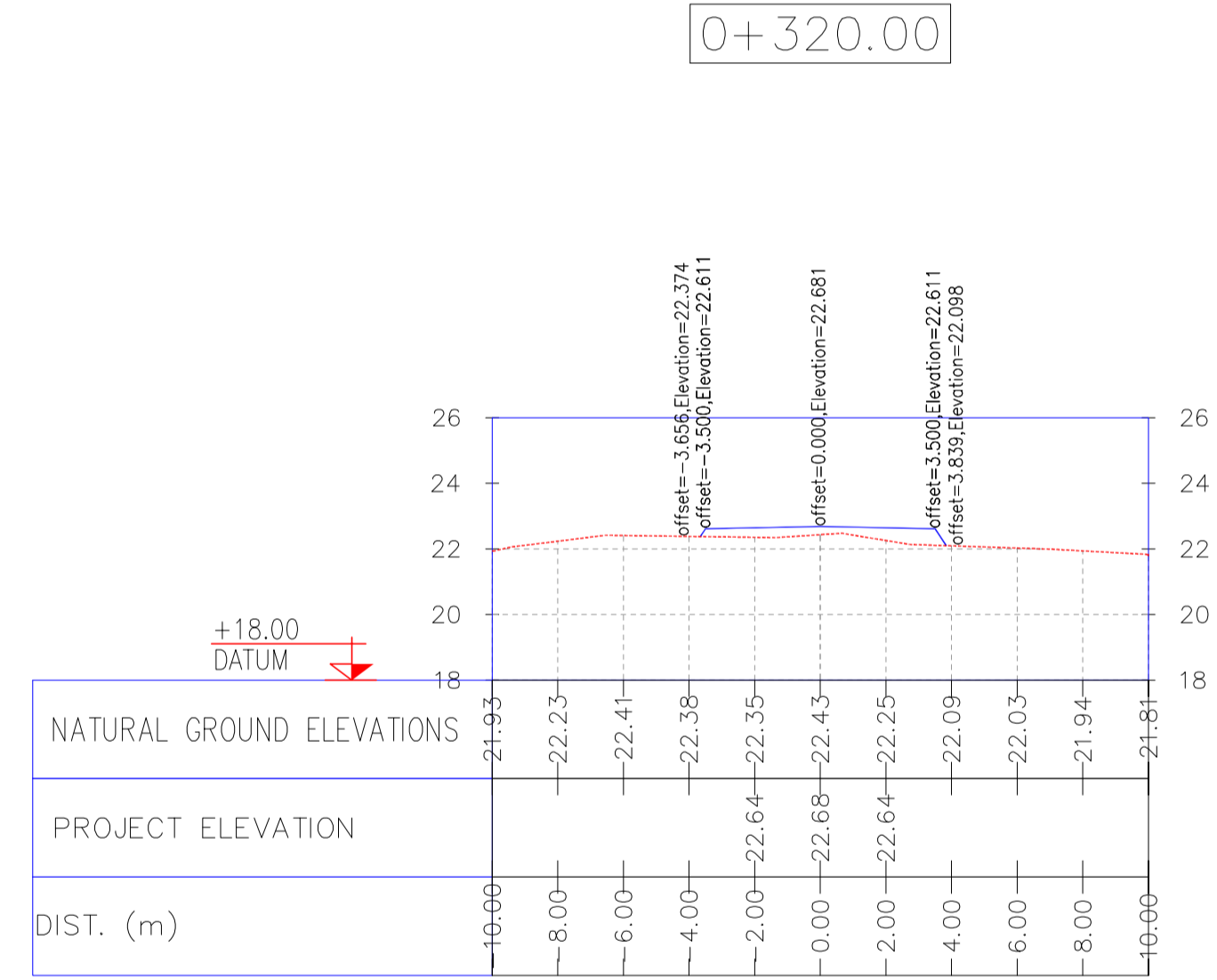
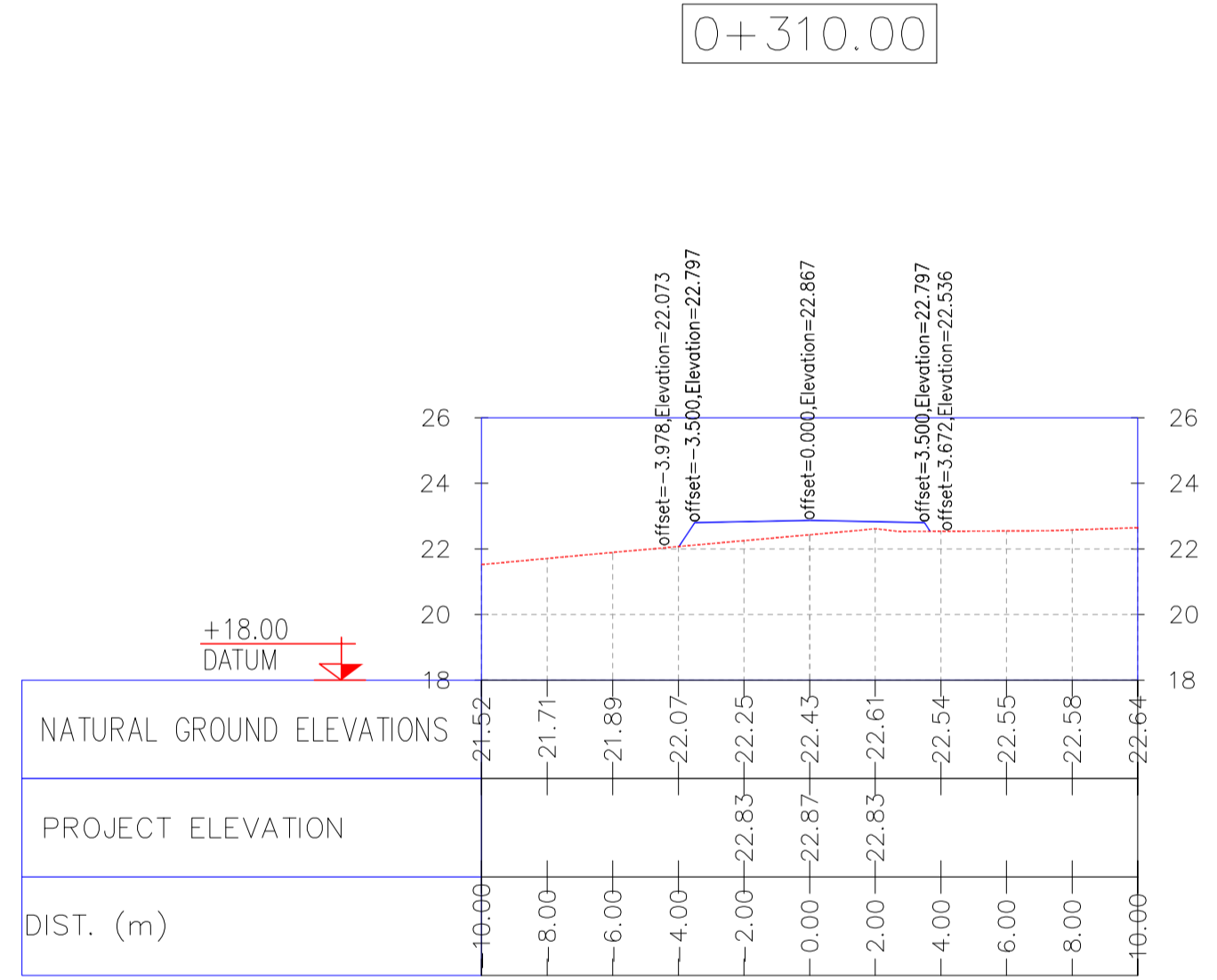
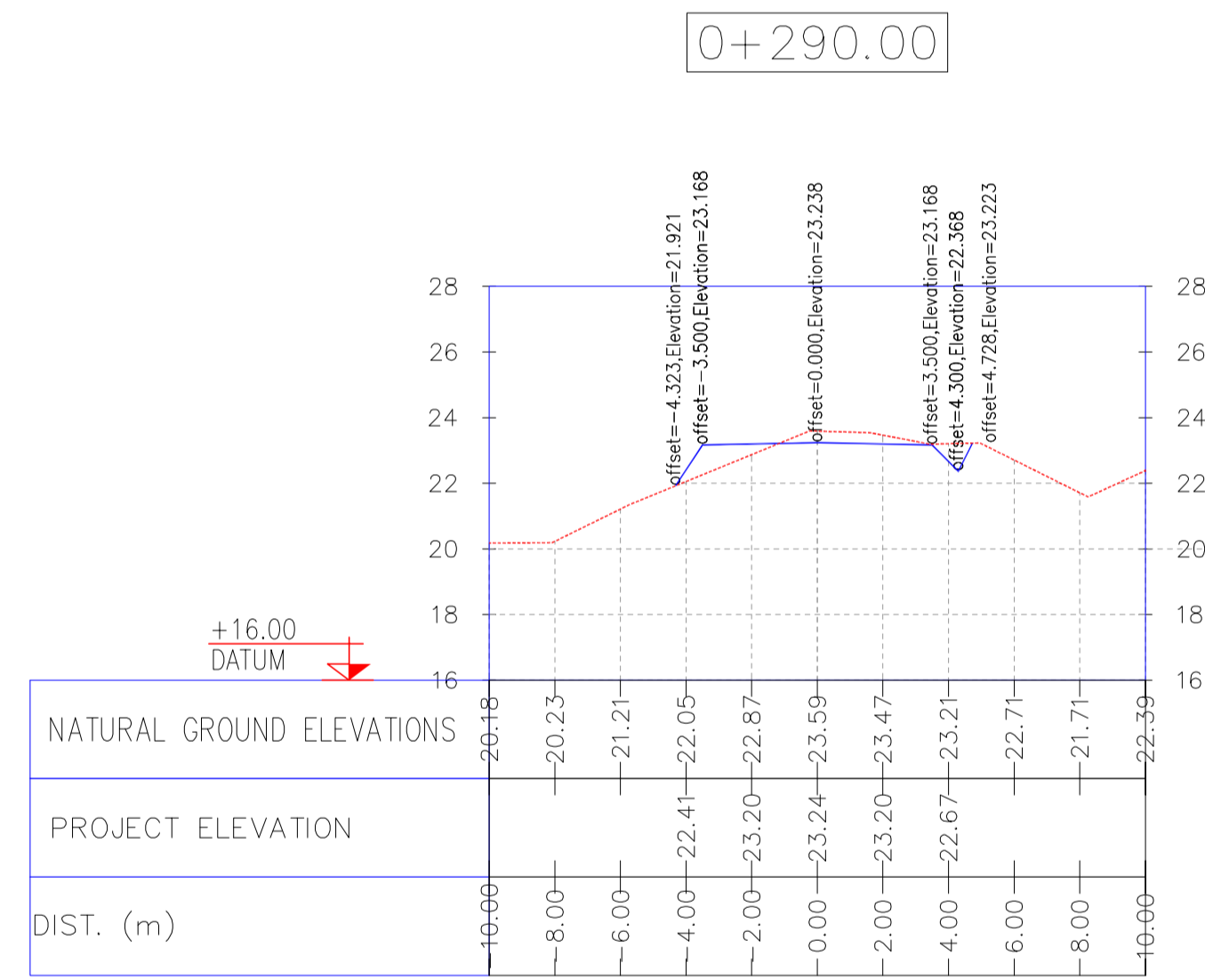
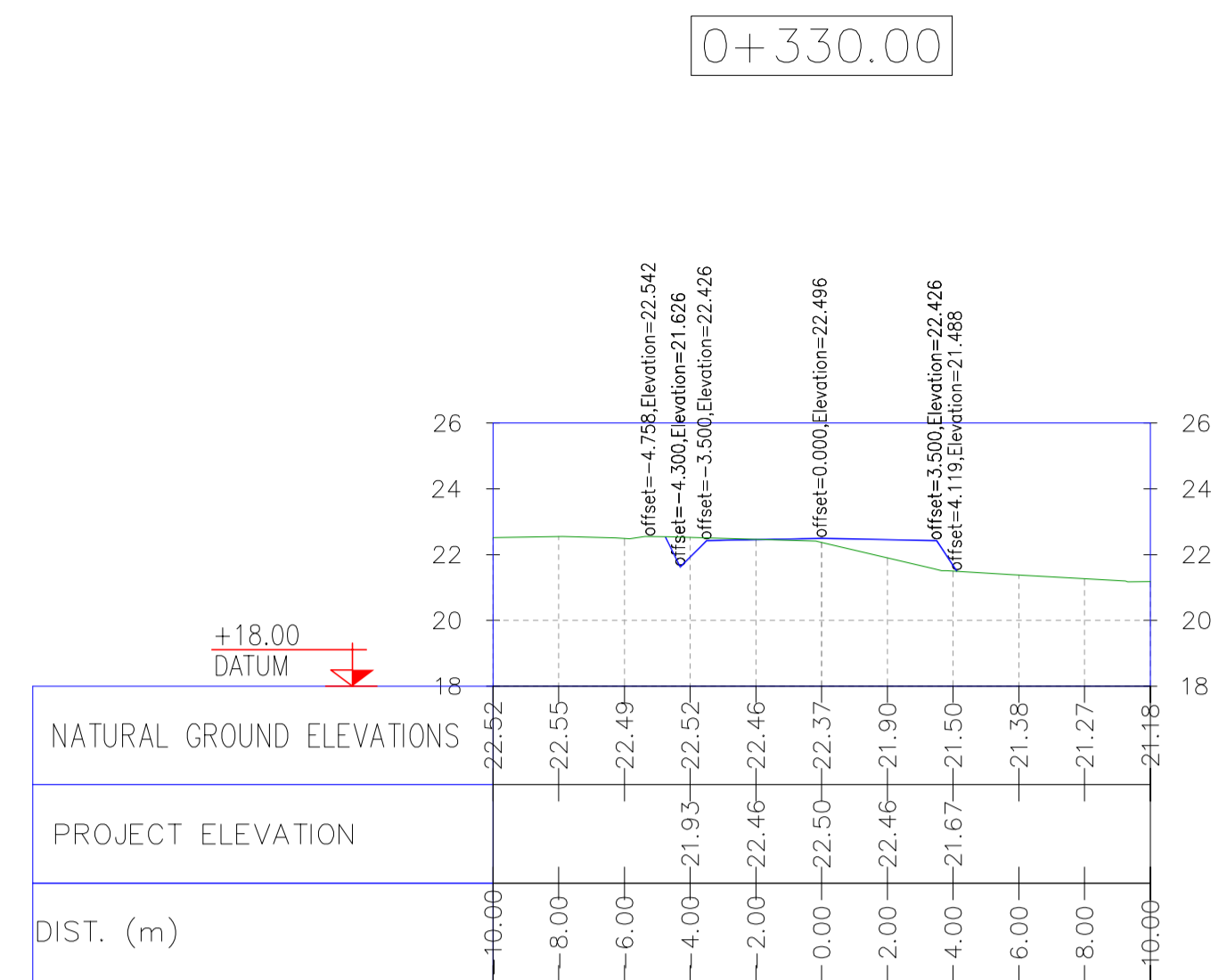
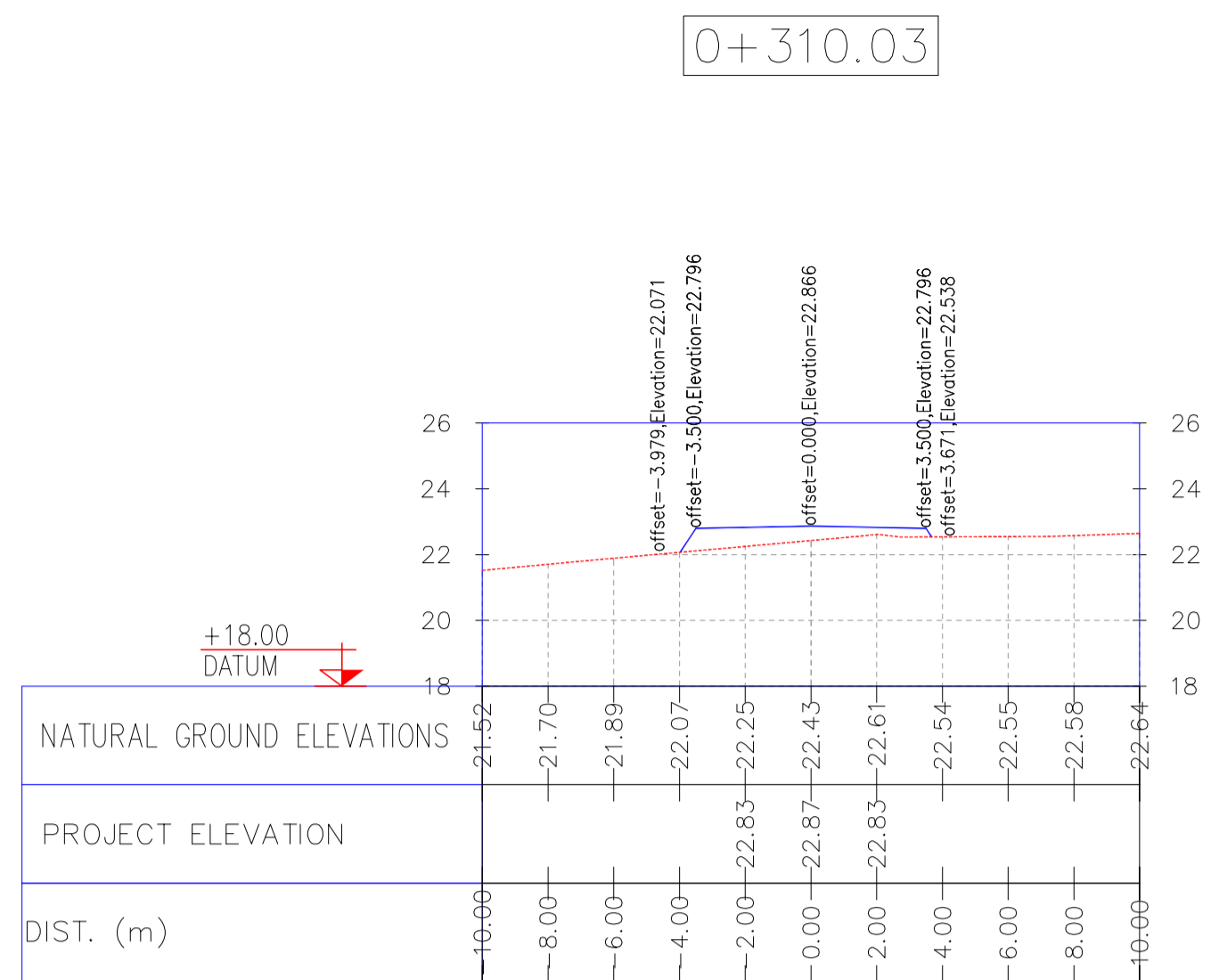
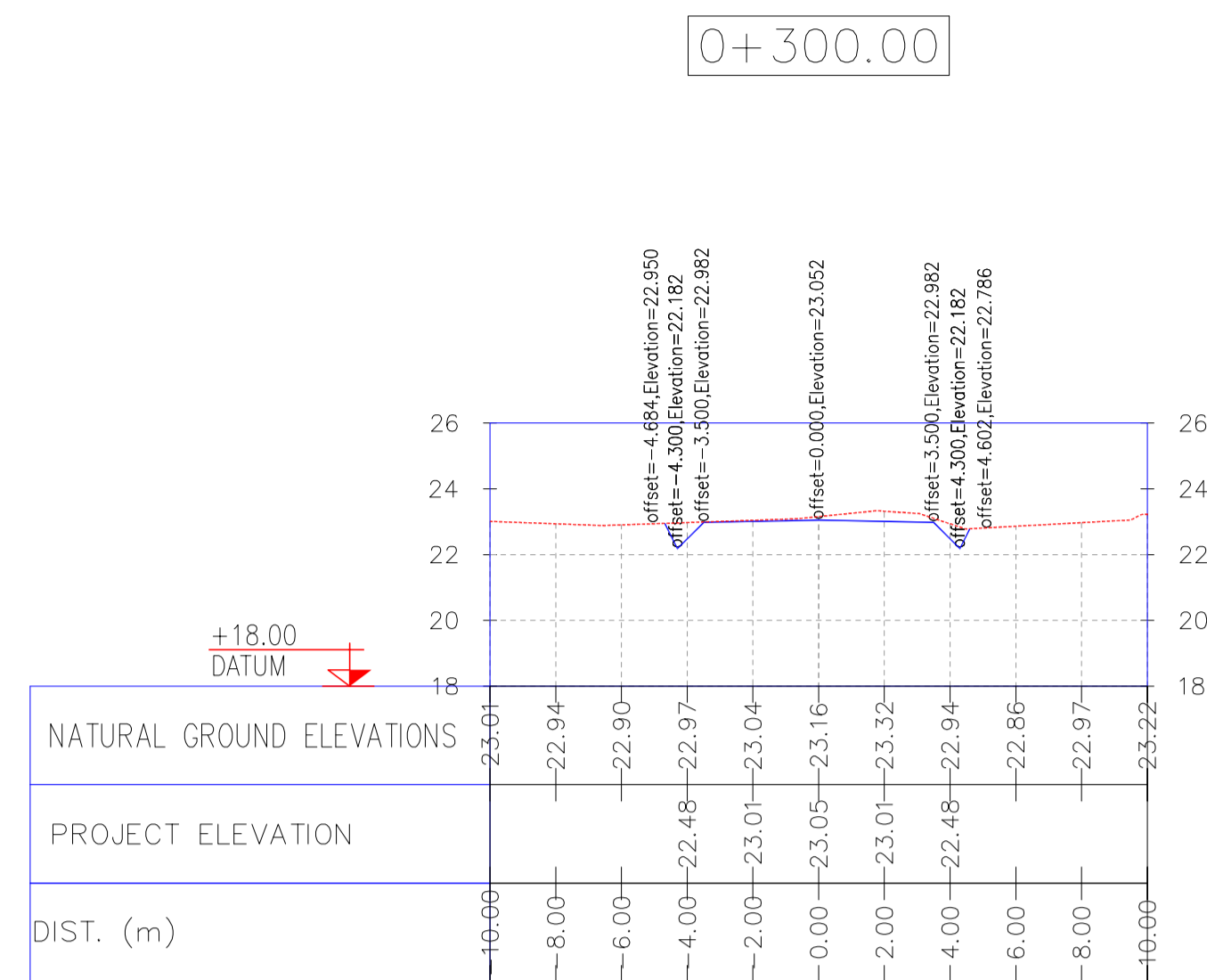
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 250-280M

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|--------------------|------|------------------------------|-----------|------|
| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
| H=1/200 V=1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 27 of 42 | D06 |

| | | | | |
|---|----------|------------|------------|--------------|
| 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. |
| 053-073-9184 | F | 4 | S | 707548 |
| SHEET | REVISION | | | |
| 27 | D06 | | | |



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| | | | | | | |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |
| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

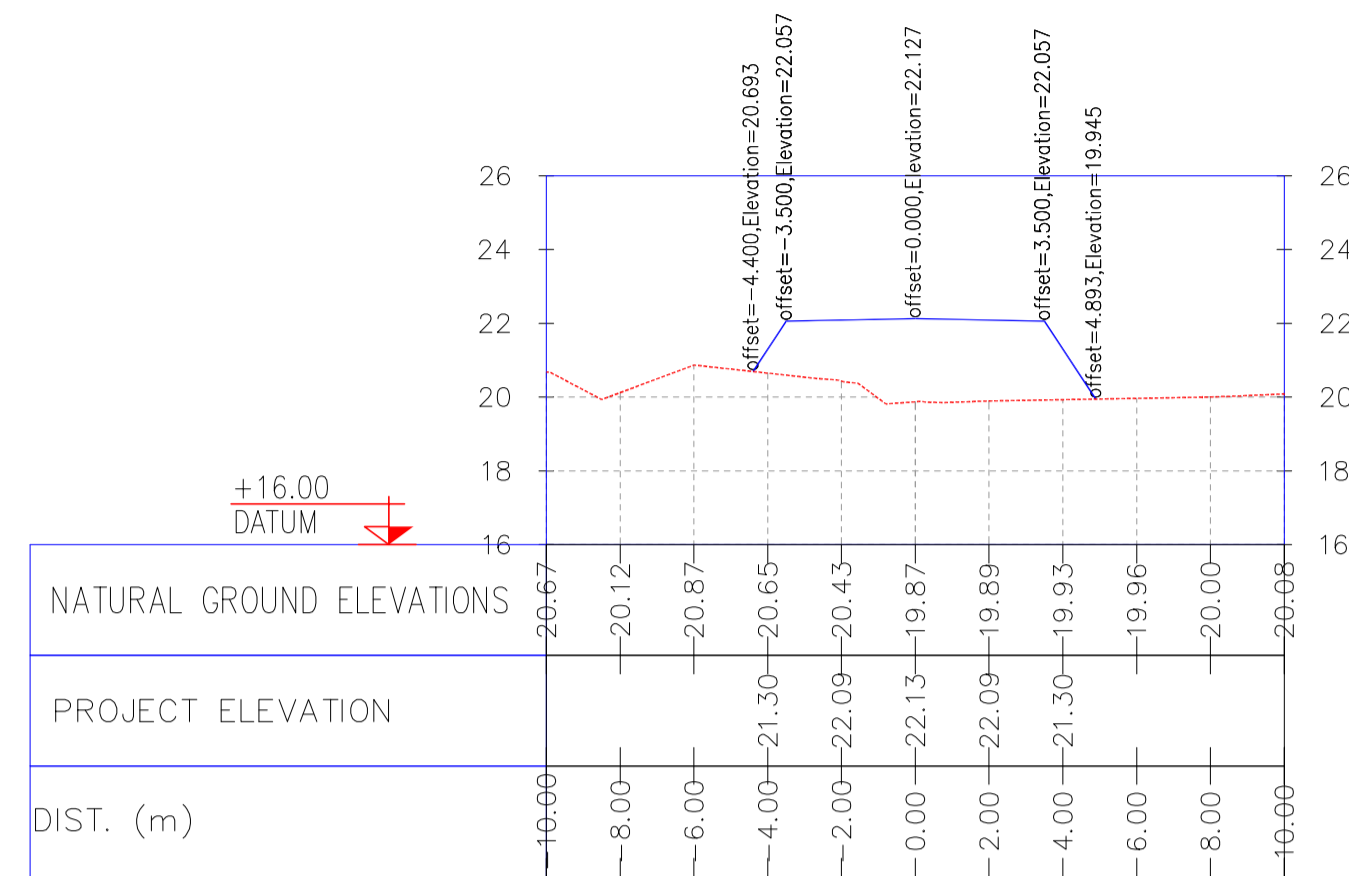
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 300-330M

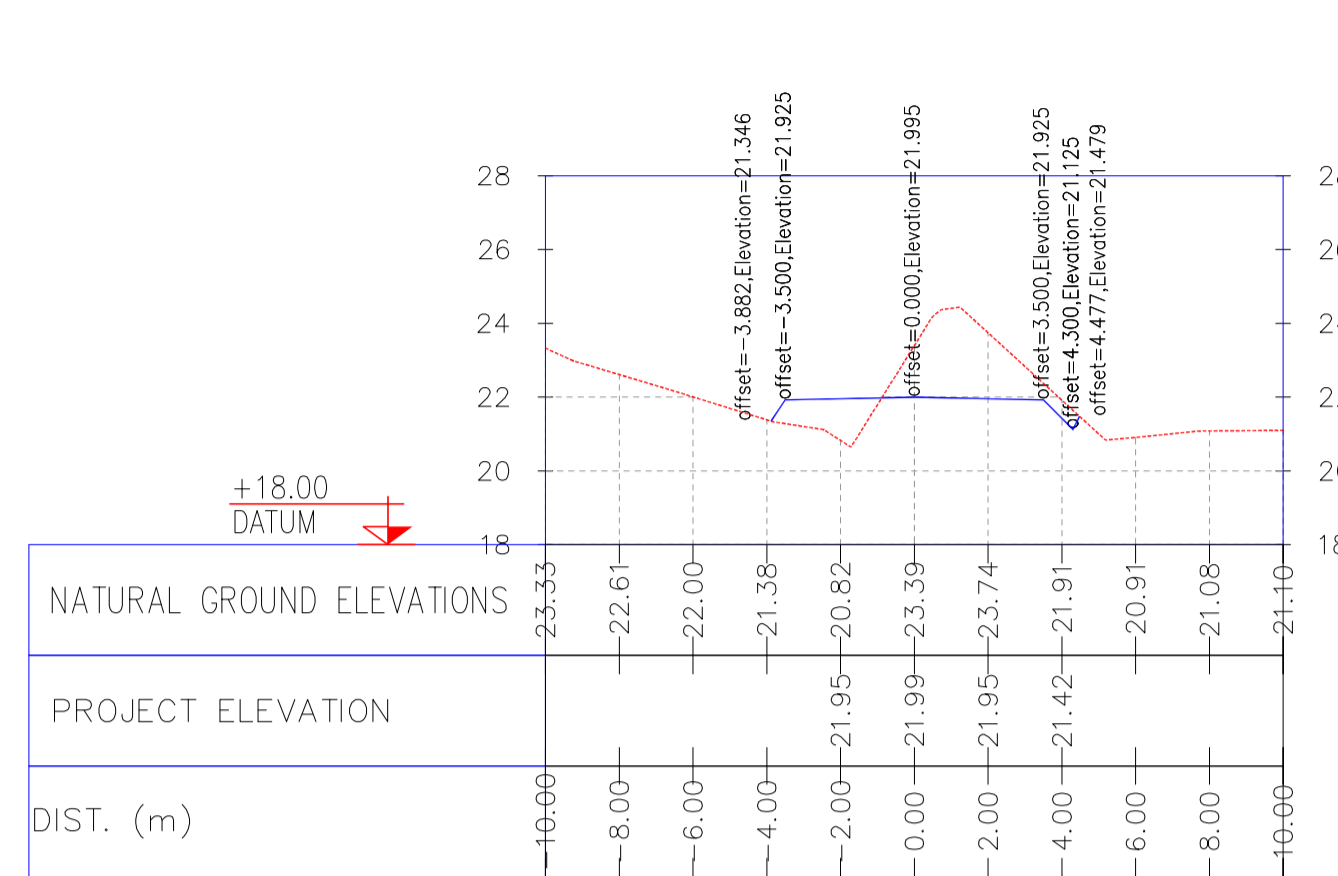
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| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
| 1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 28 of 42 | D06 |

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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. |
| 053-073-9184 | F | 4 | S | 707548 |
| SHEET | REVISION | | | |
| 28 | D06 | | | |

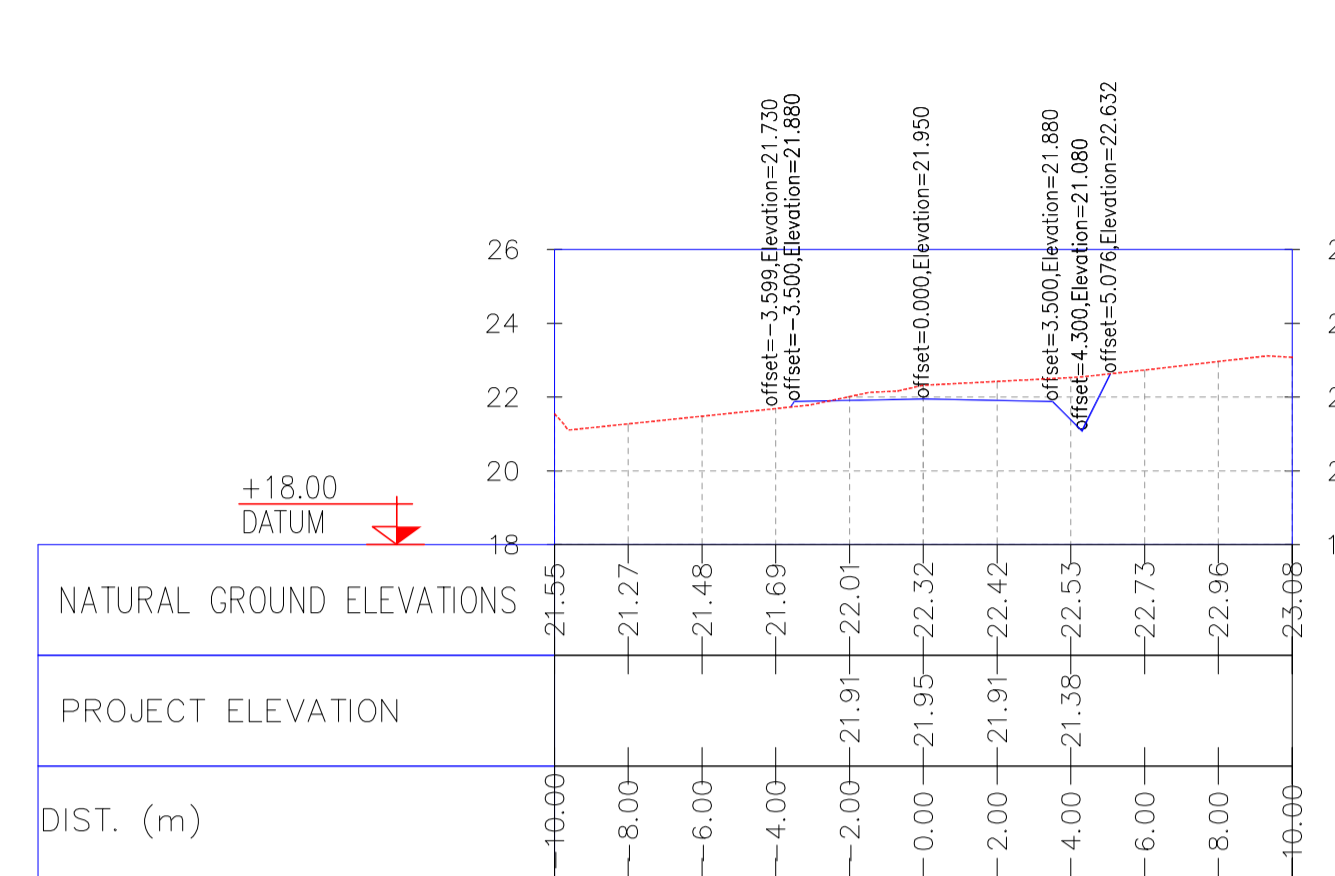
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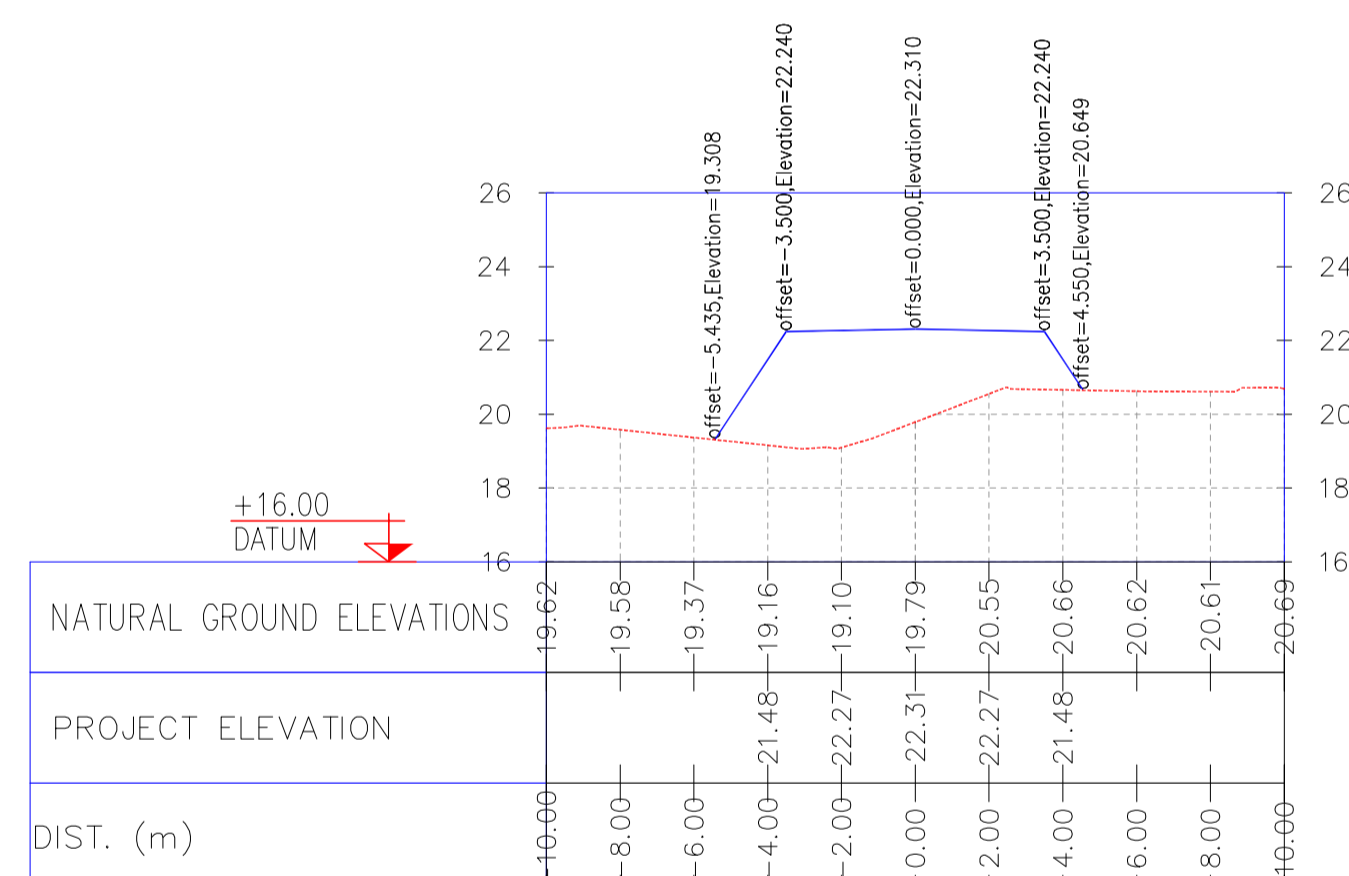
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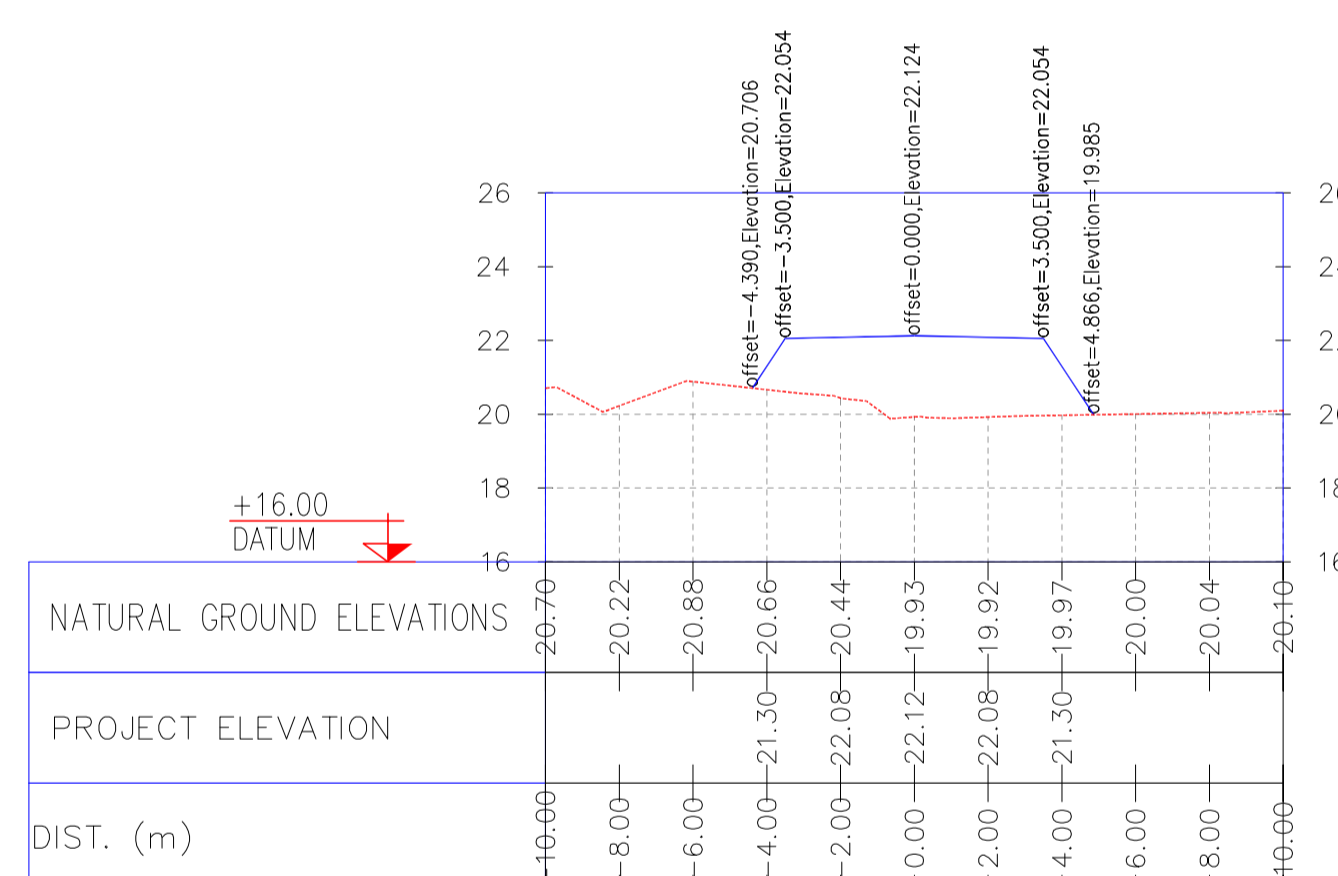
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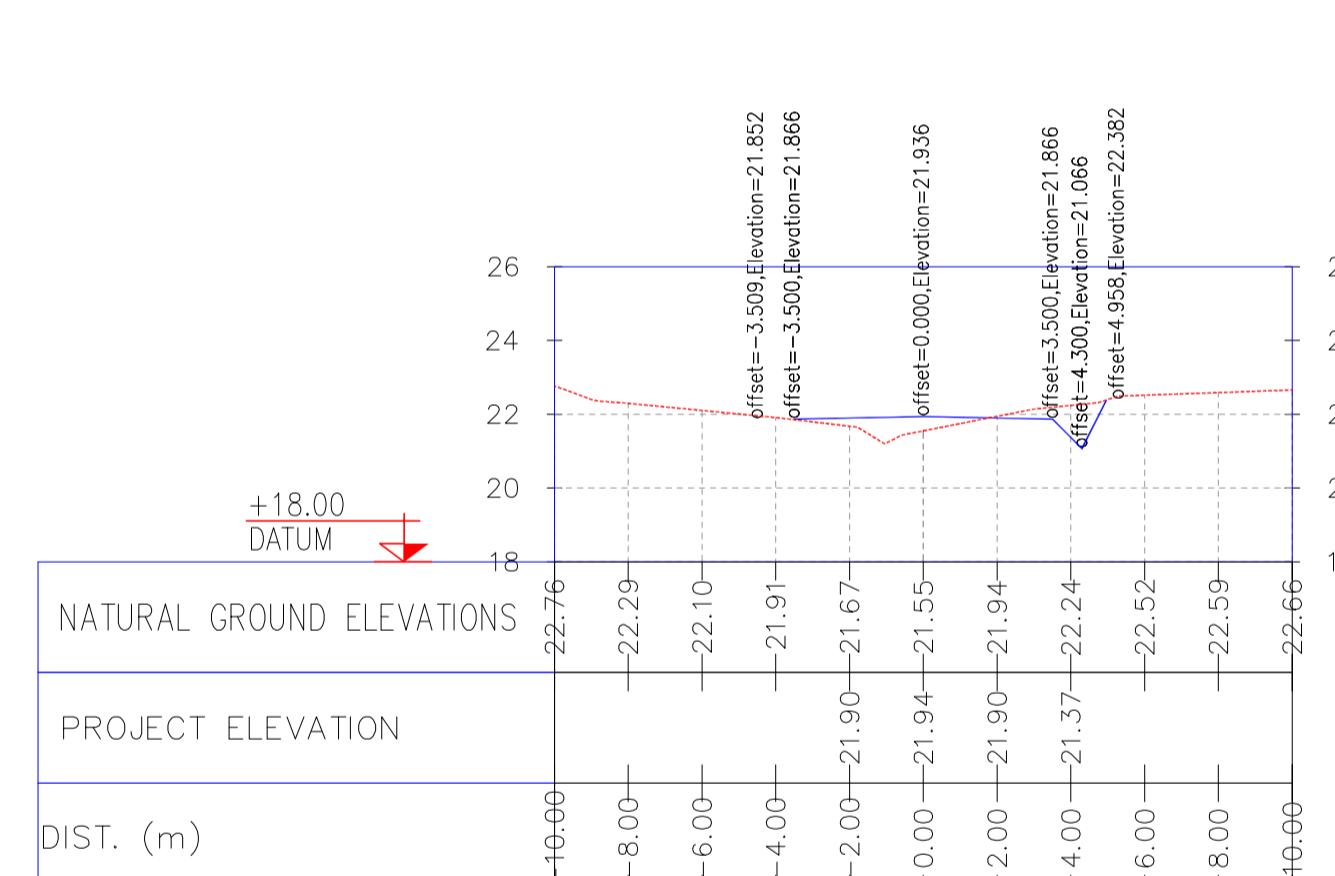
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0+350.14



0+370.00



NOTES

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- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 350-380M

SCALE: 1/200

DRAWING NO.: BK-W028-PEDCO-110-CV-PY-0002

SHEET NO.: 29 of 42

REV.: D06

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

| APPROVED FOR CONSTRUCTION | BY: | DATE: |
|---------------------------|-----|-------|
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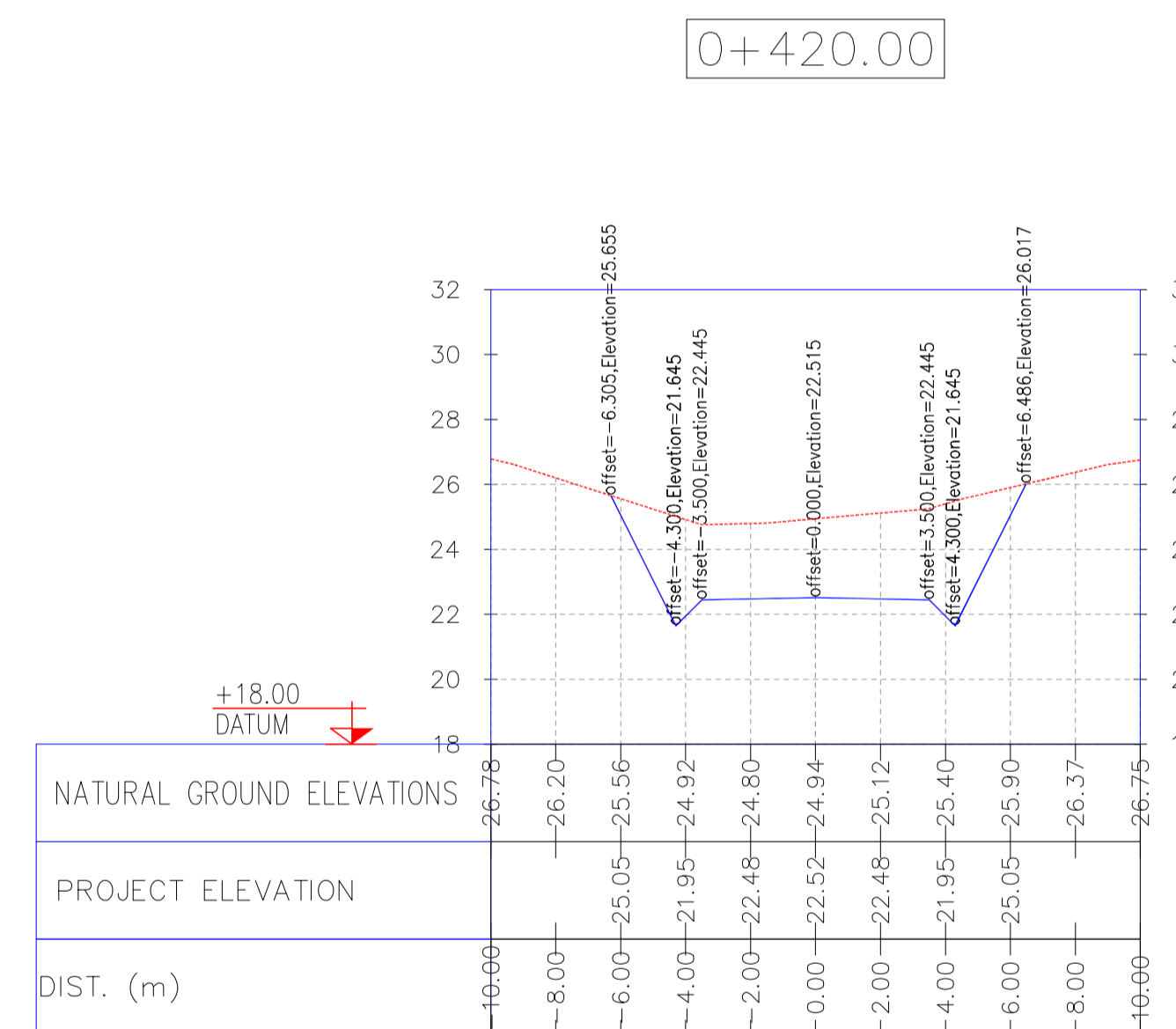
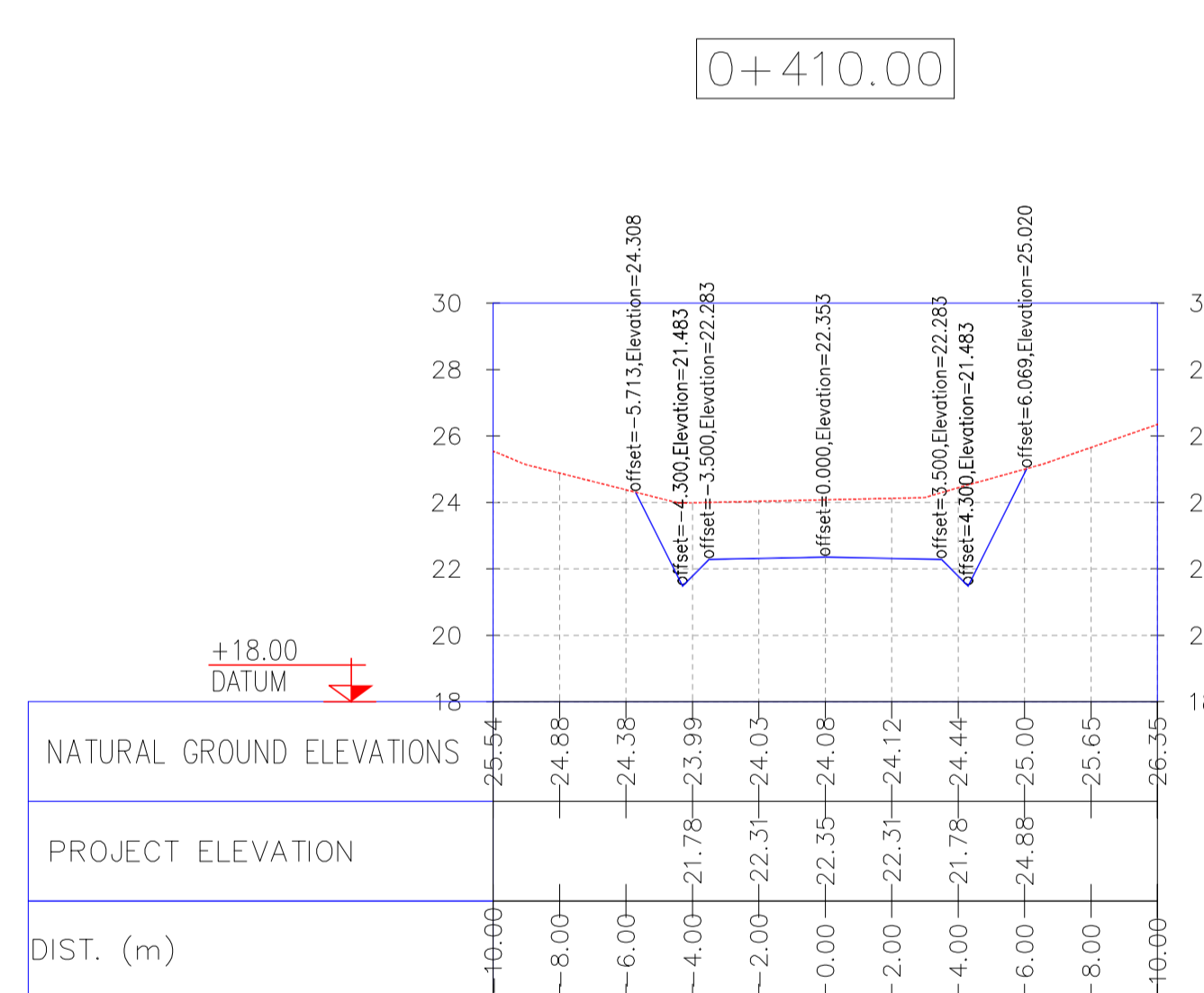
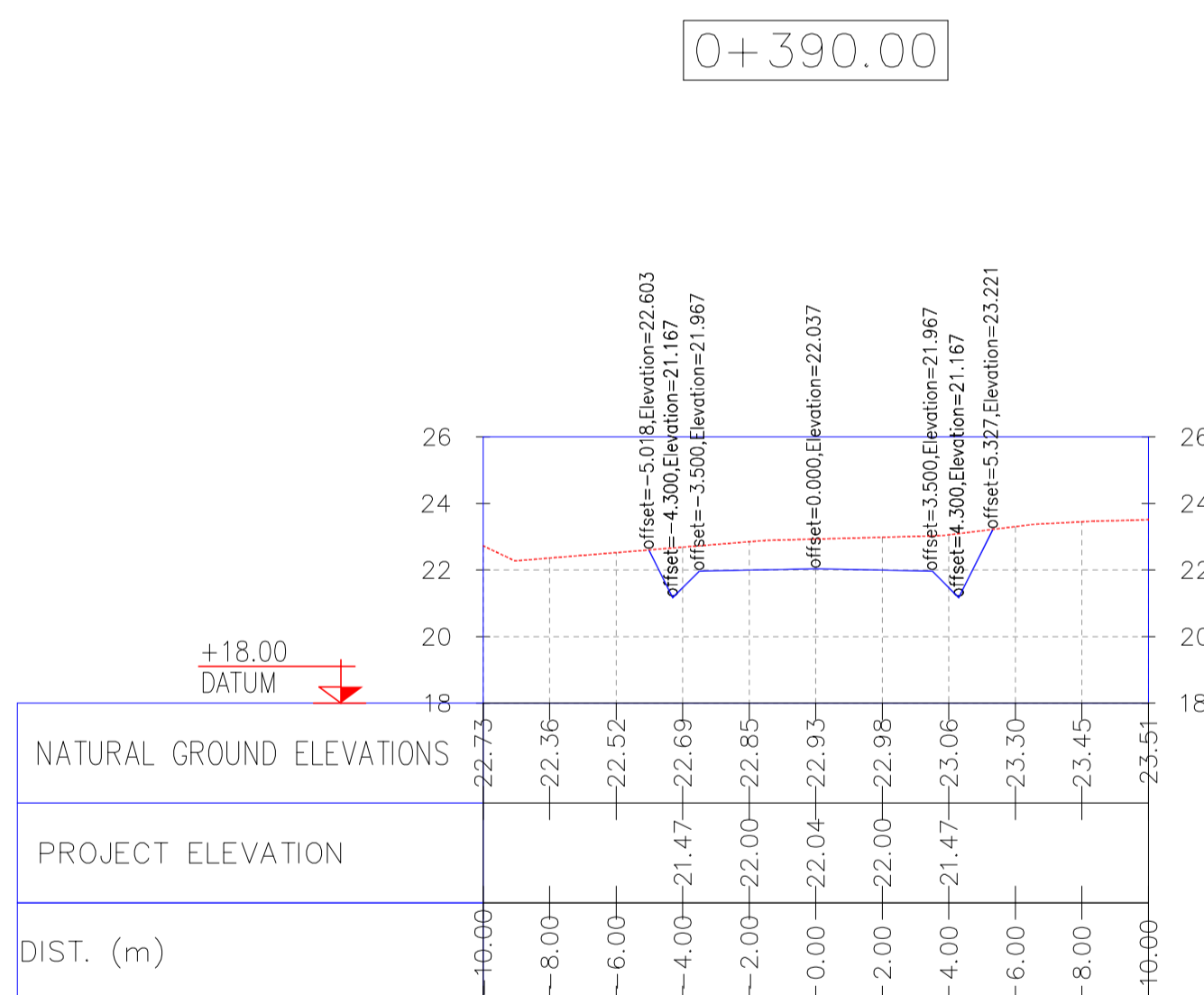
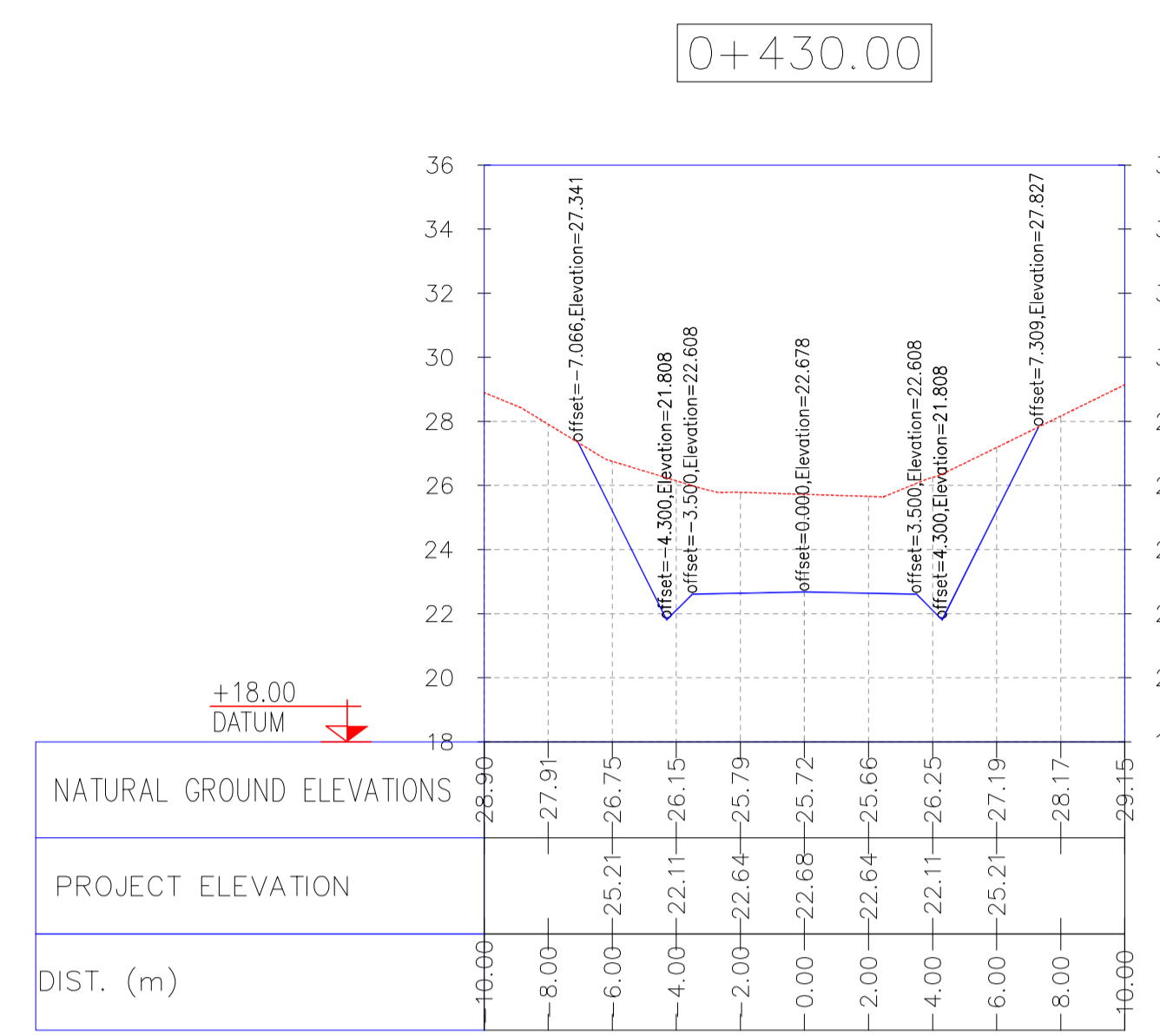
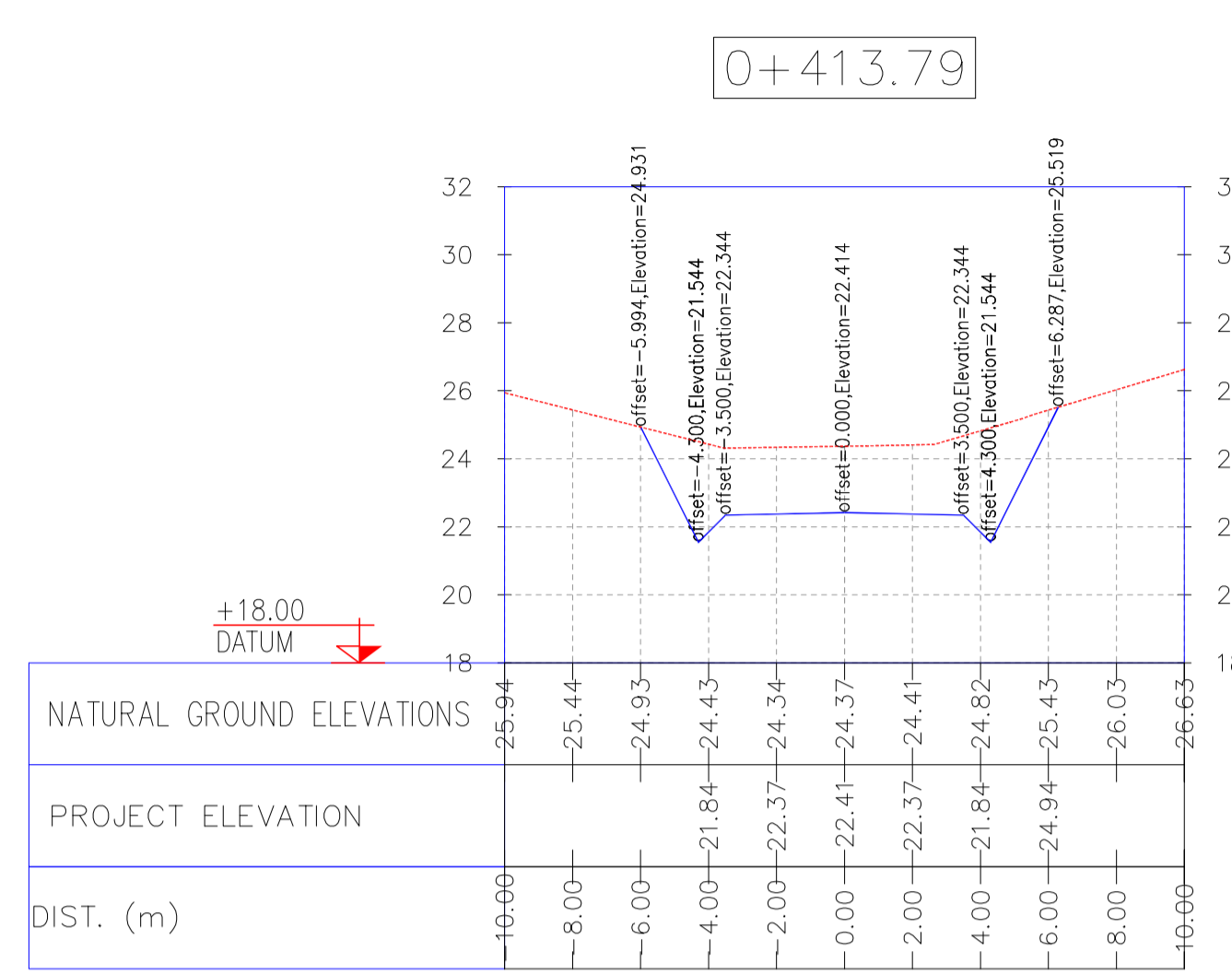
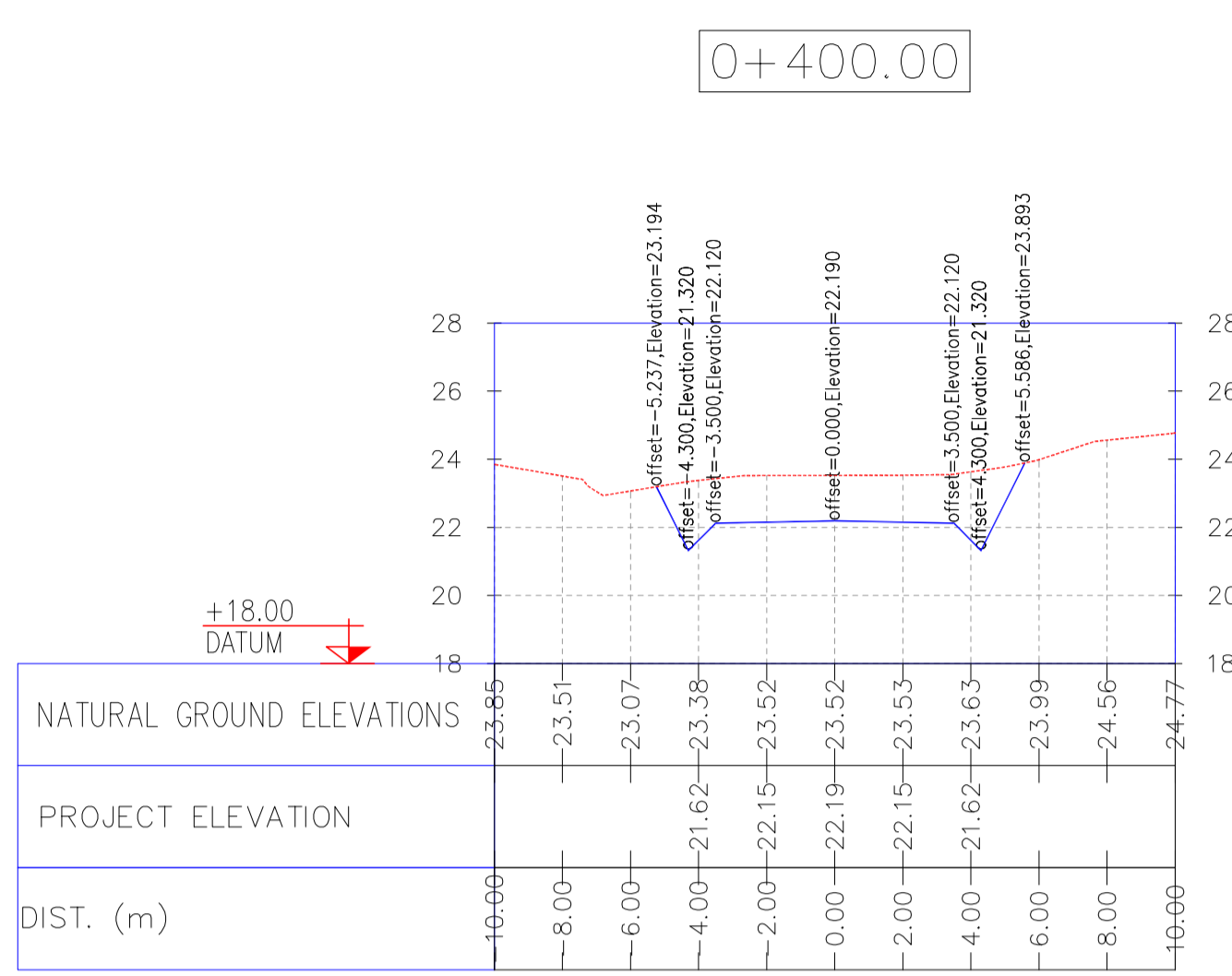
| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 29 | D06 |

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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKR | *** |

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 400-430M

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|--------------------|------|------------------------------|-----------|------|
| H=1/200 V=1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 30 of 42 | D06 |

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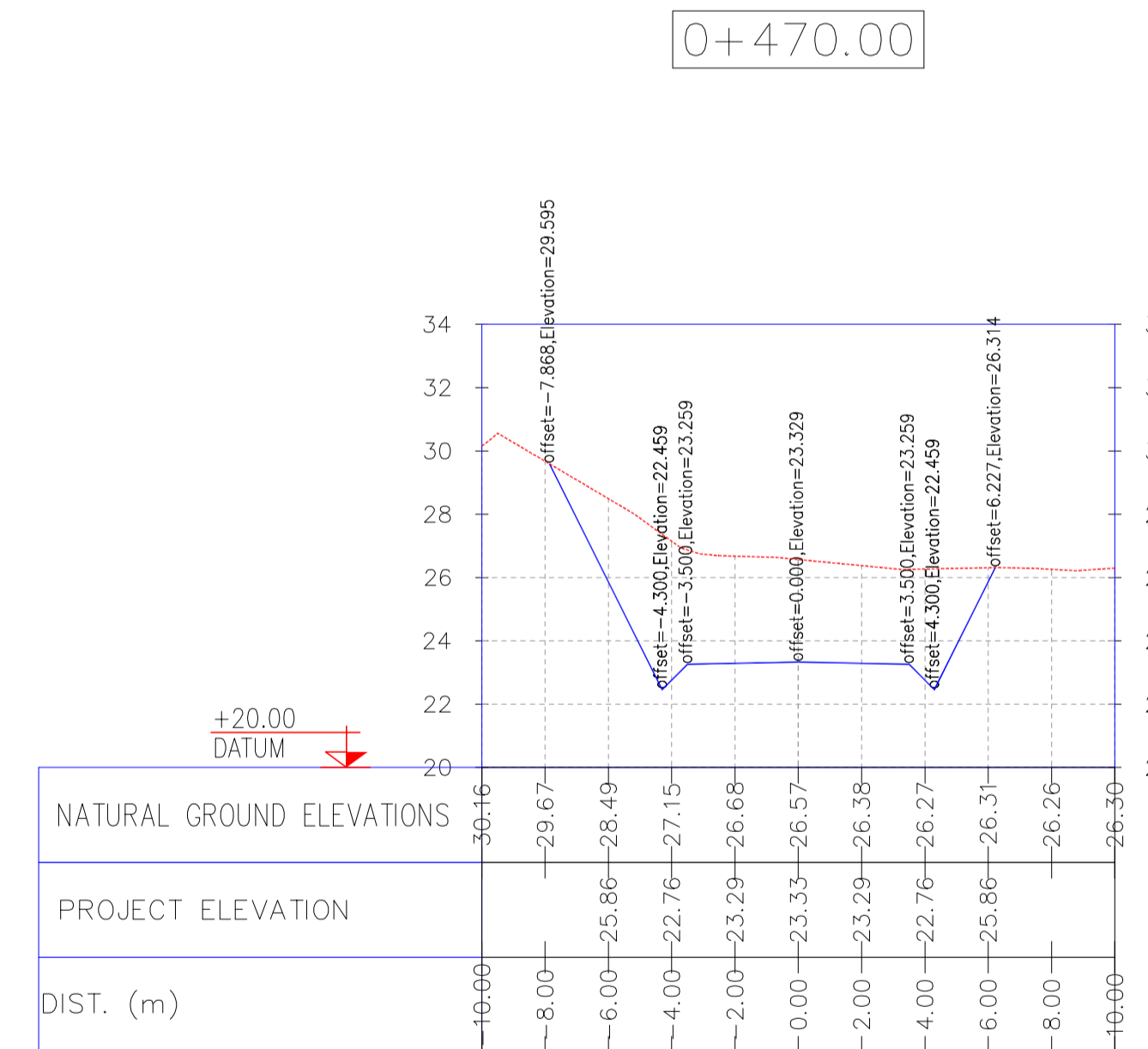
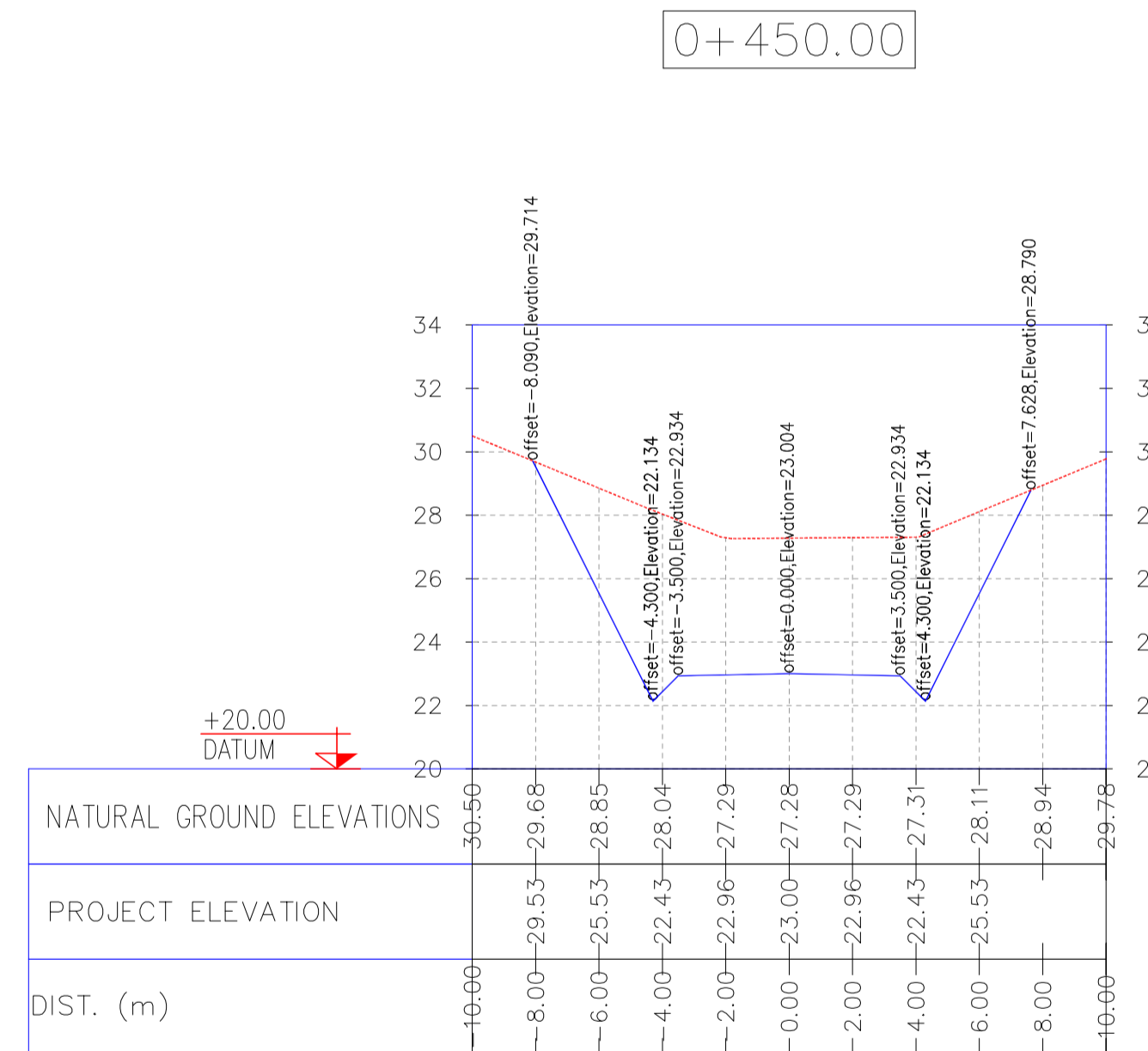
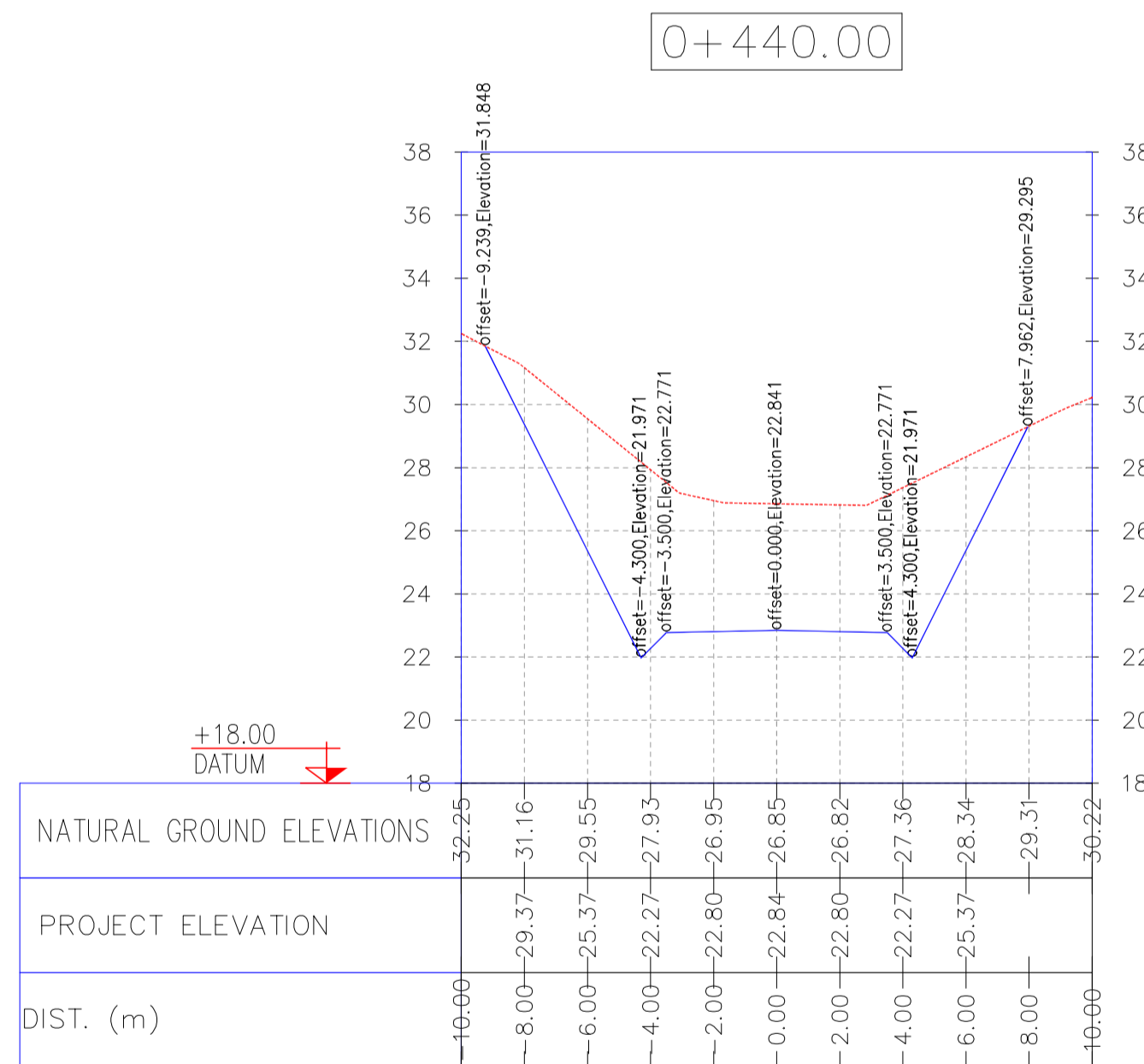
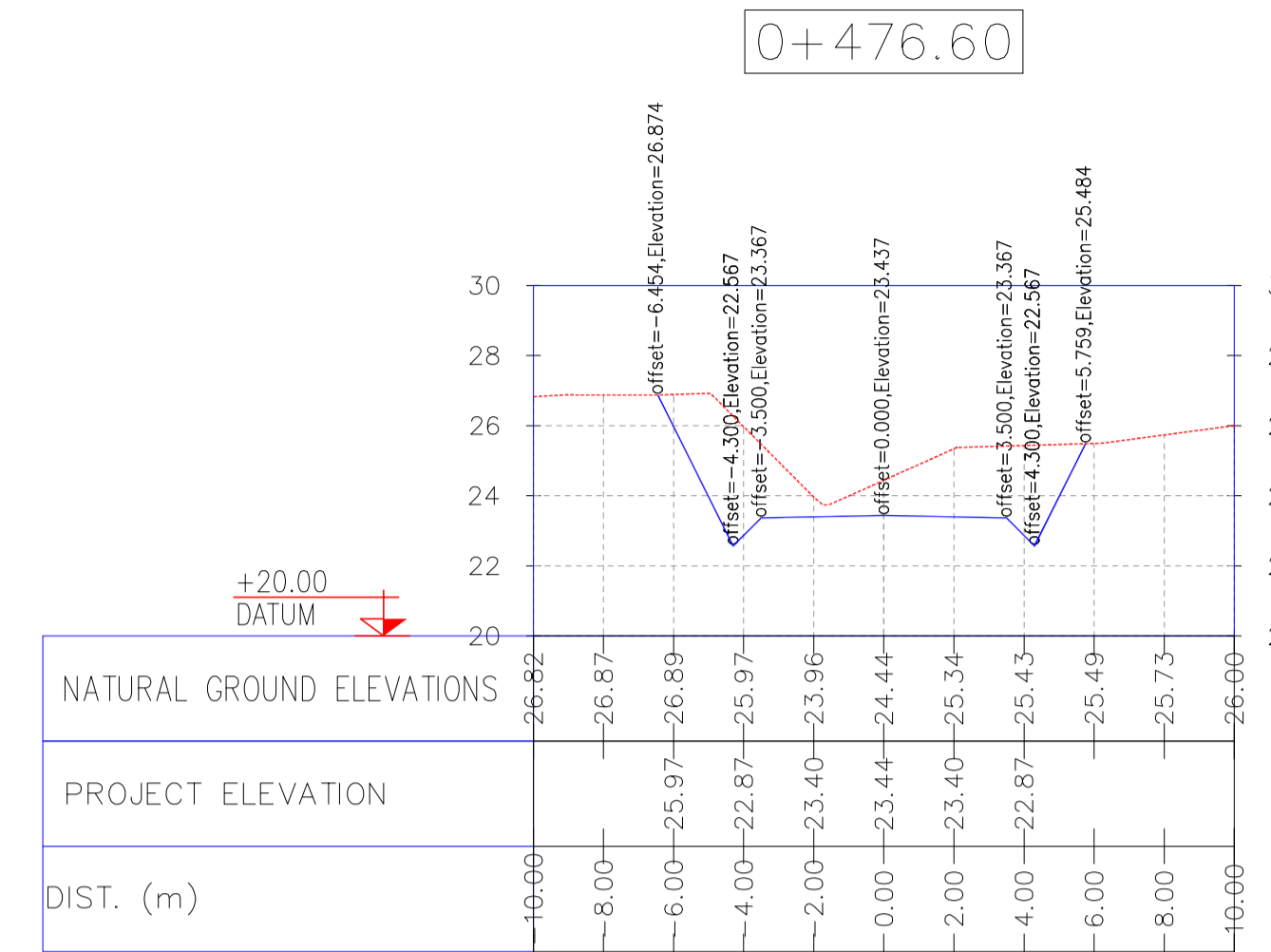
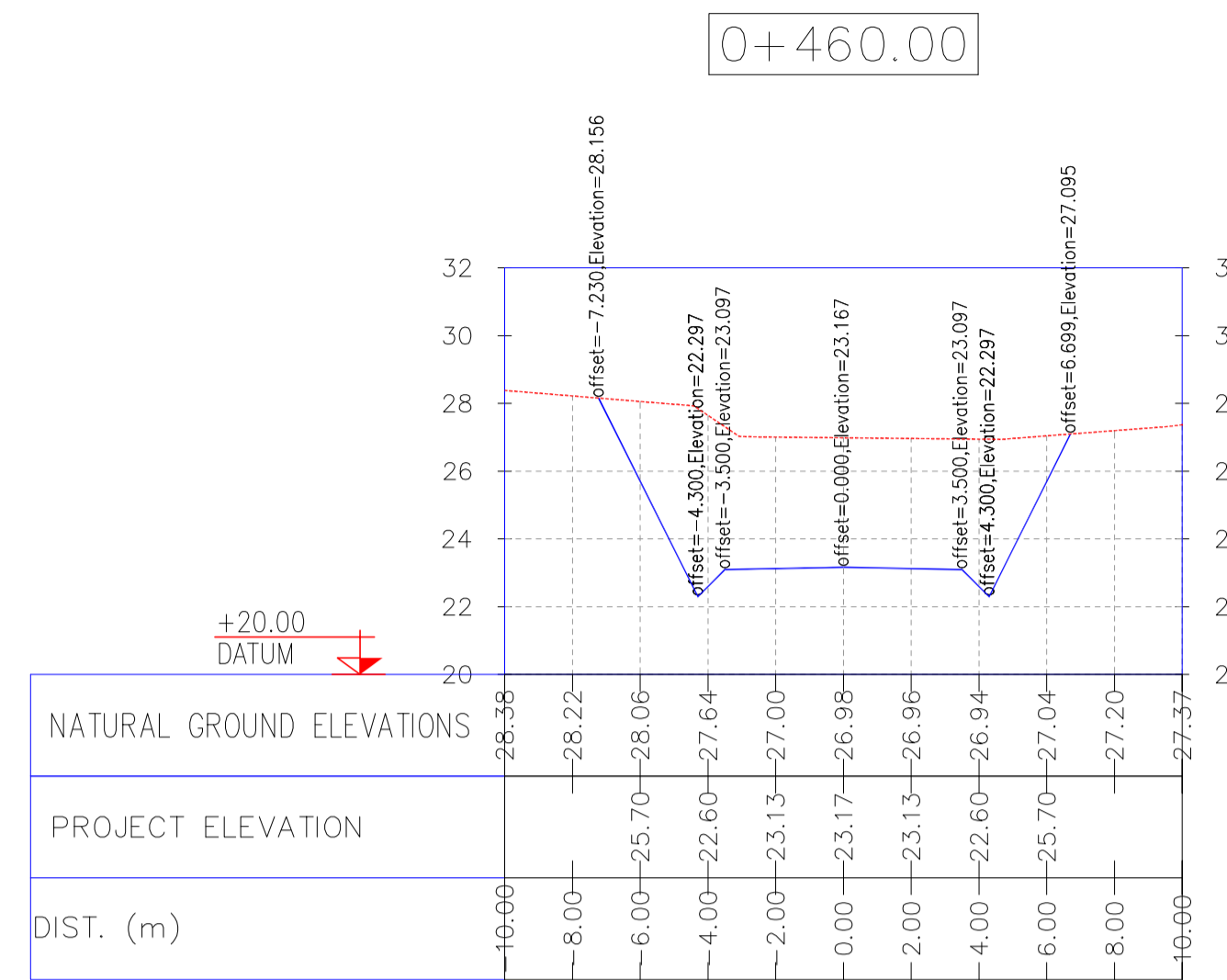
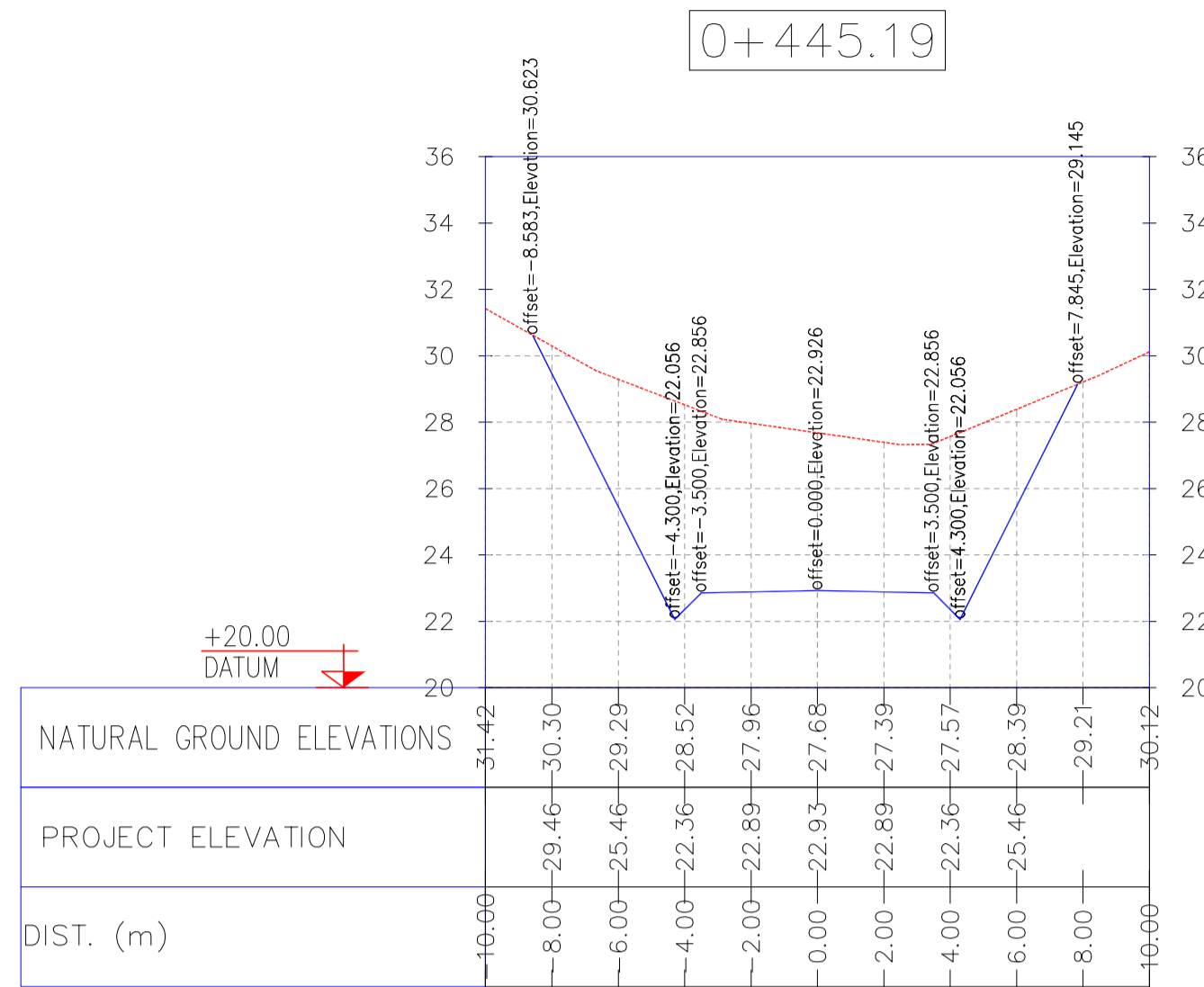
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

| 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 | S | 707548 | 30 | D06 |



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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 445.19~ 476.6M

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|-------|------|------------------------------|-----------|------|
| 1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 31 of 42 | D06 |

| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 31 | D06 |

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: MSL

LEGEND

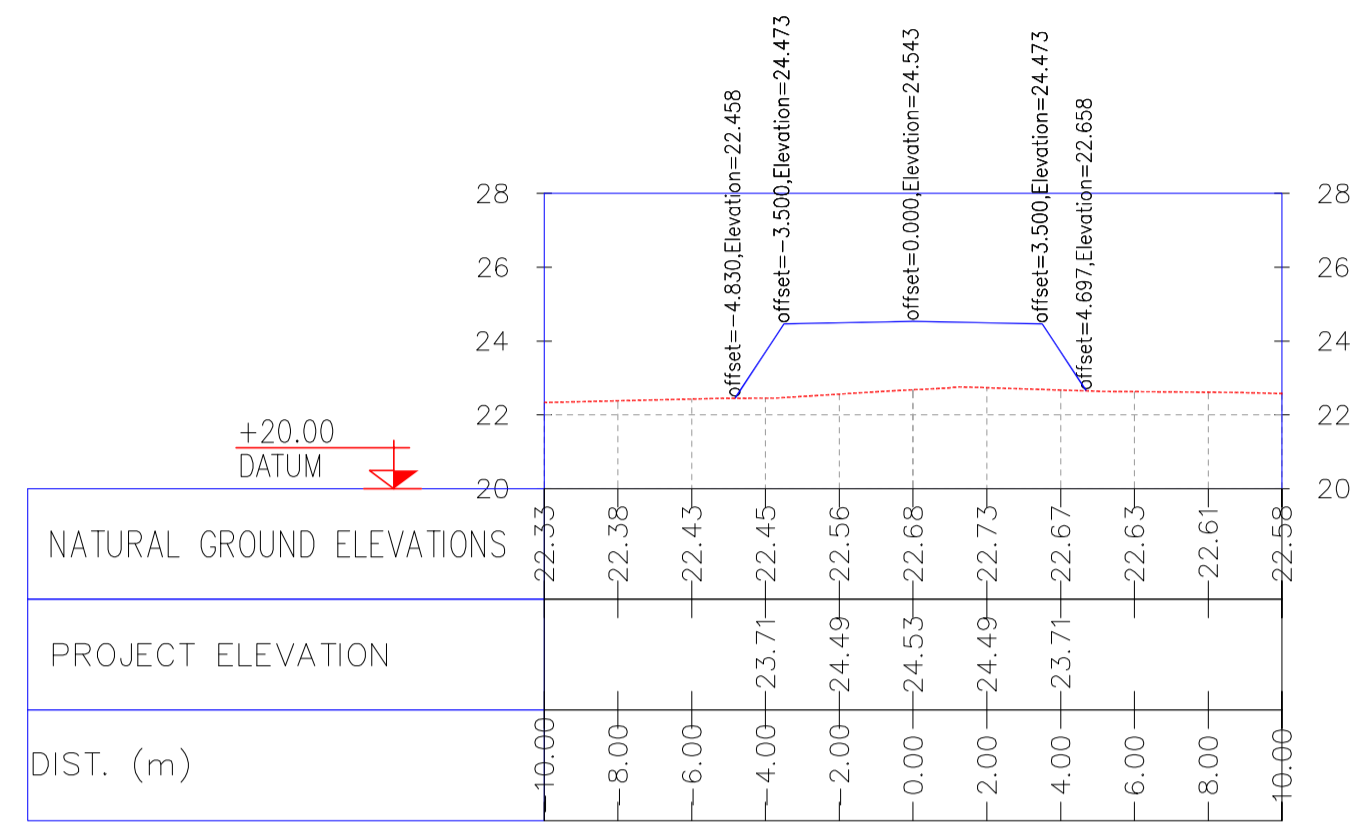
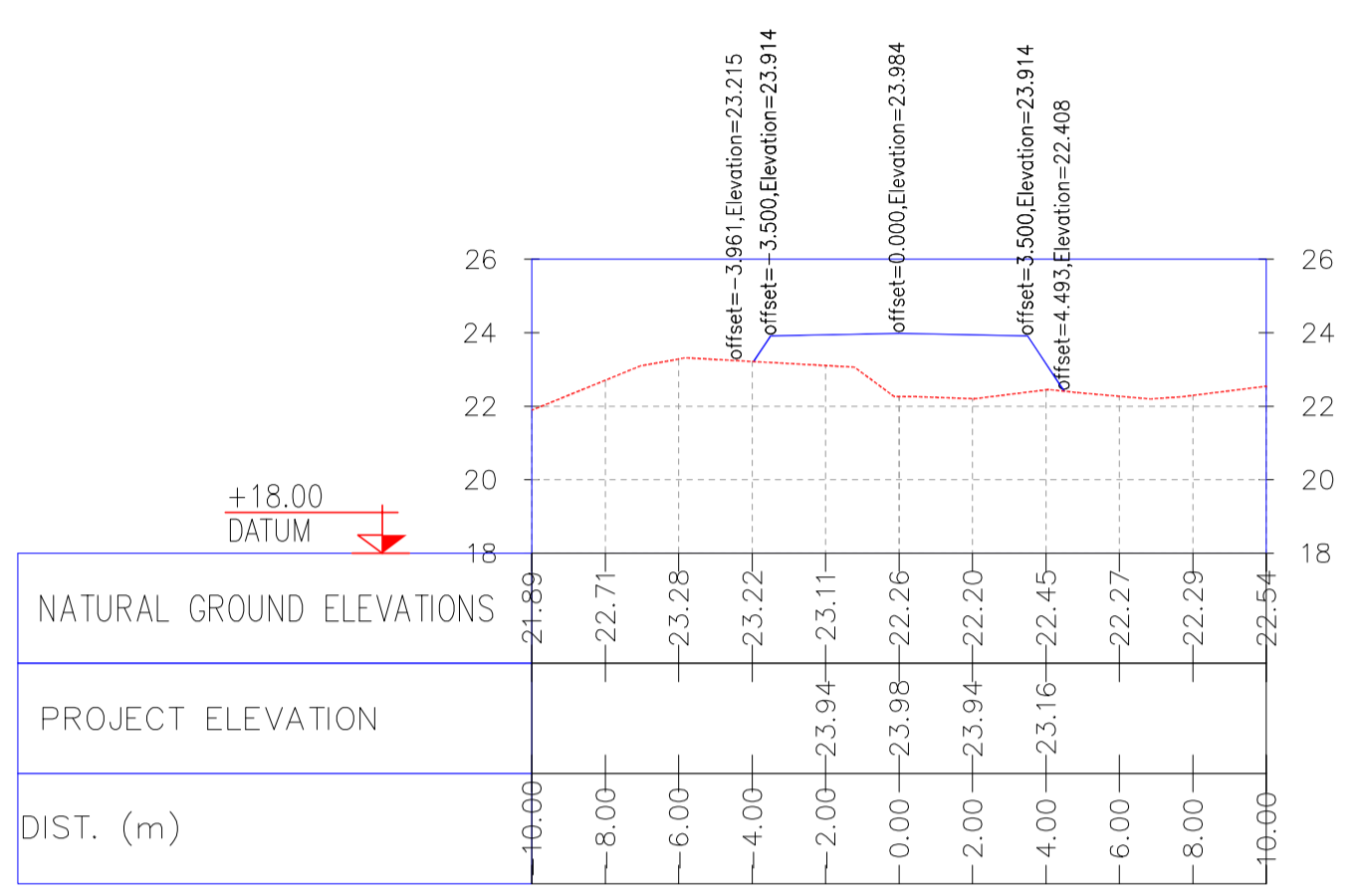
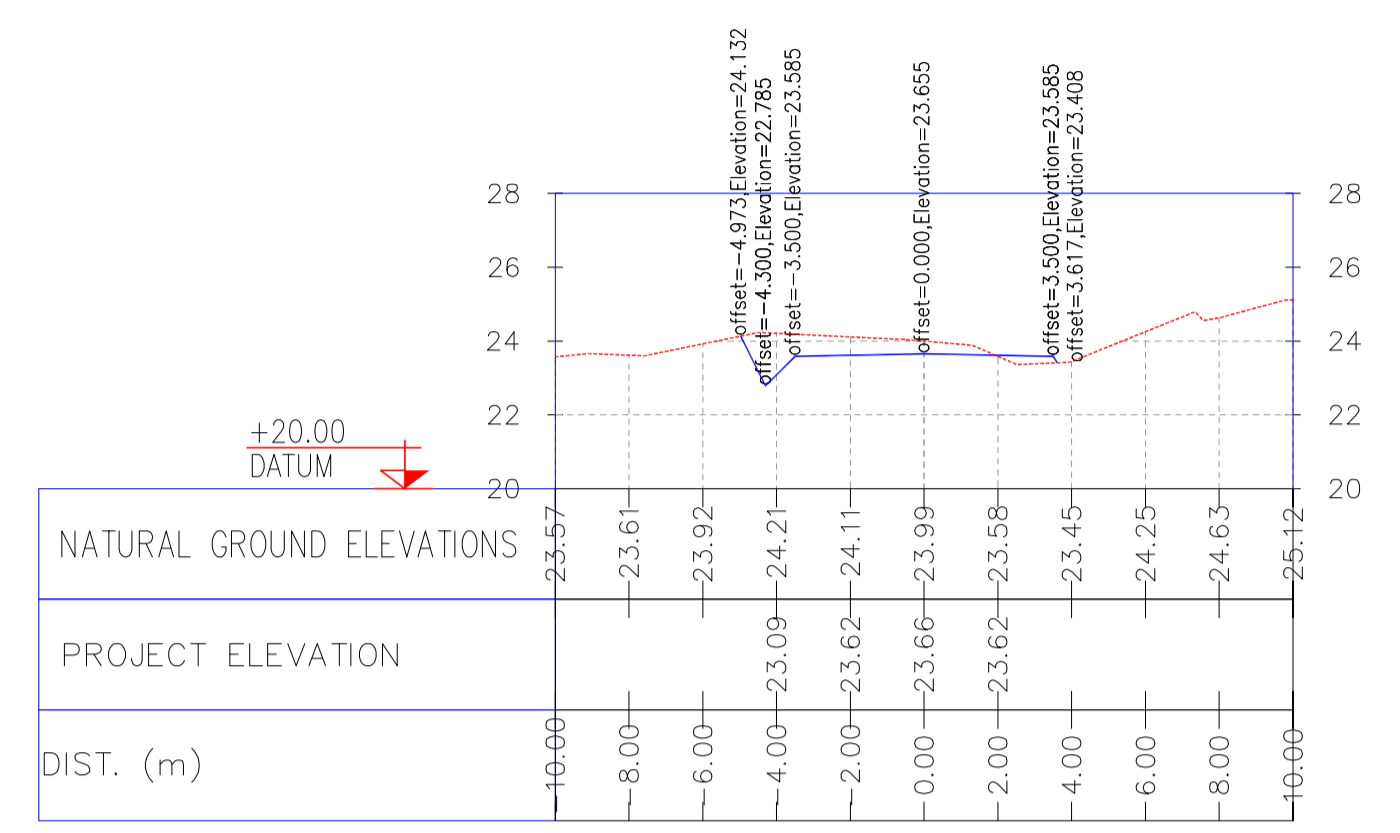
| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

0+490.00

0+510.00

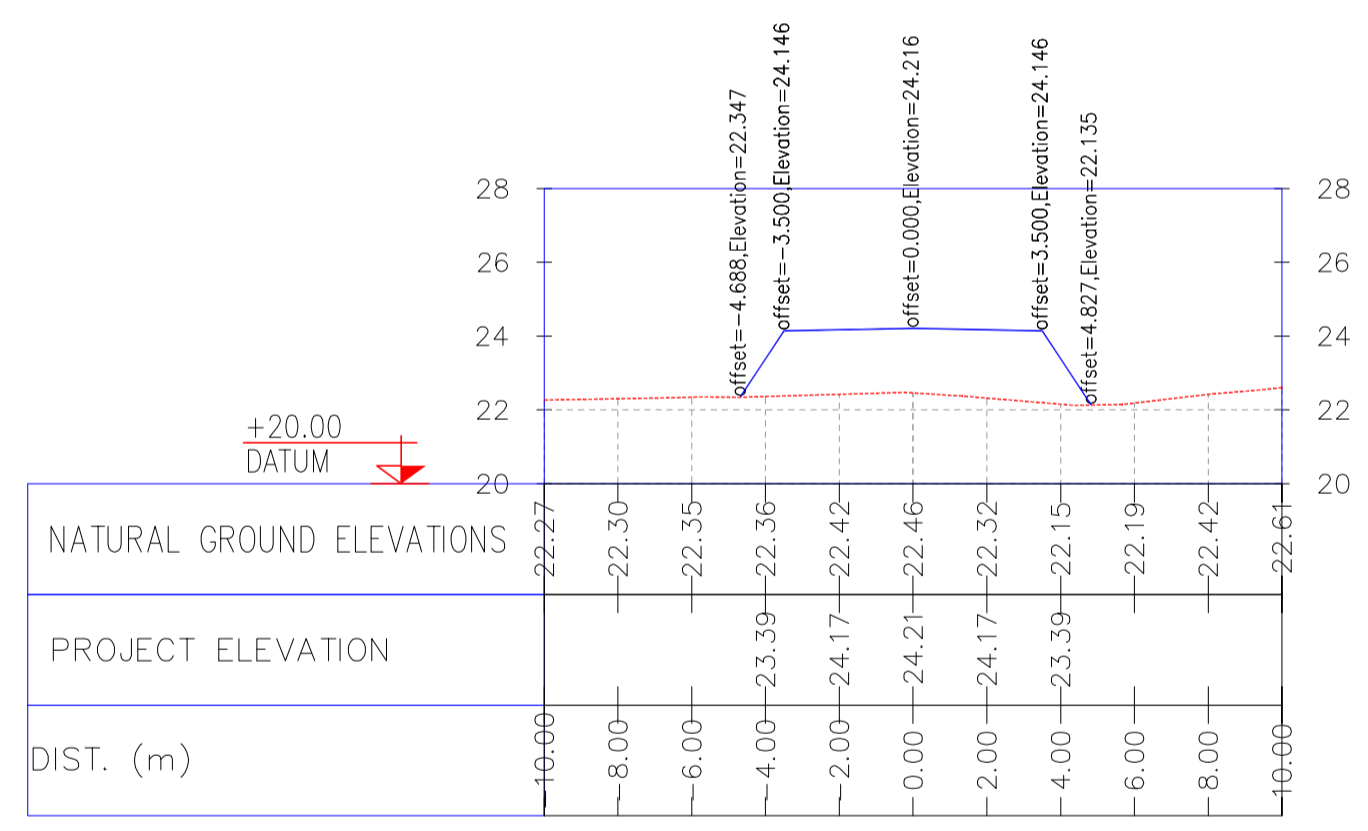
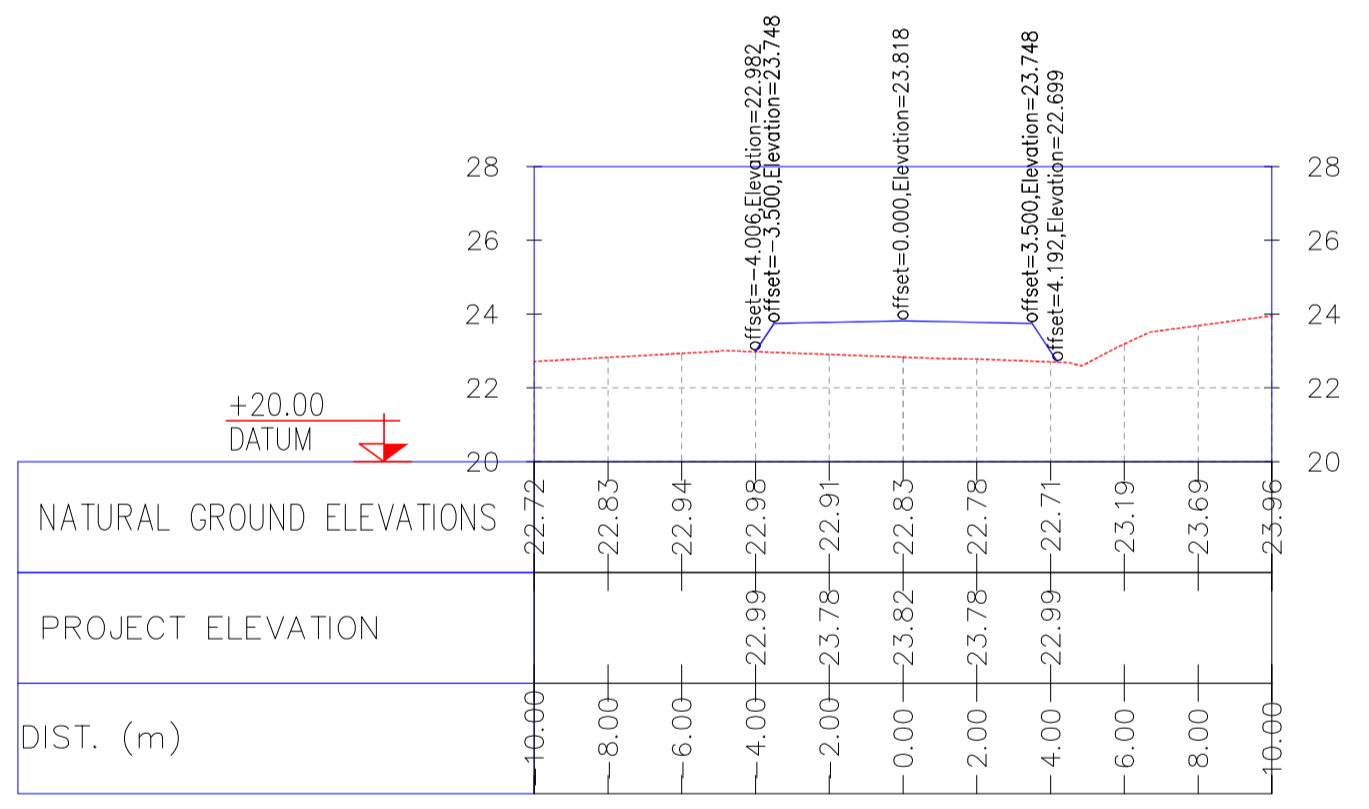
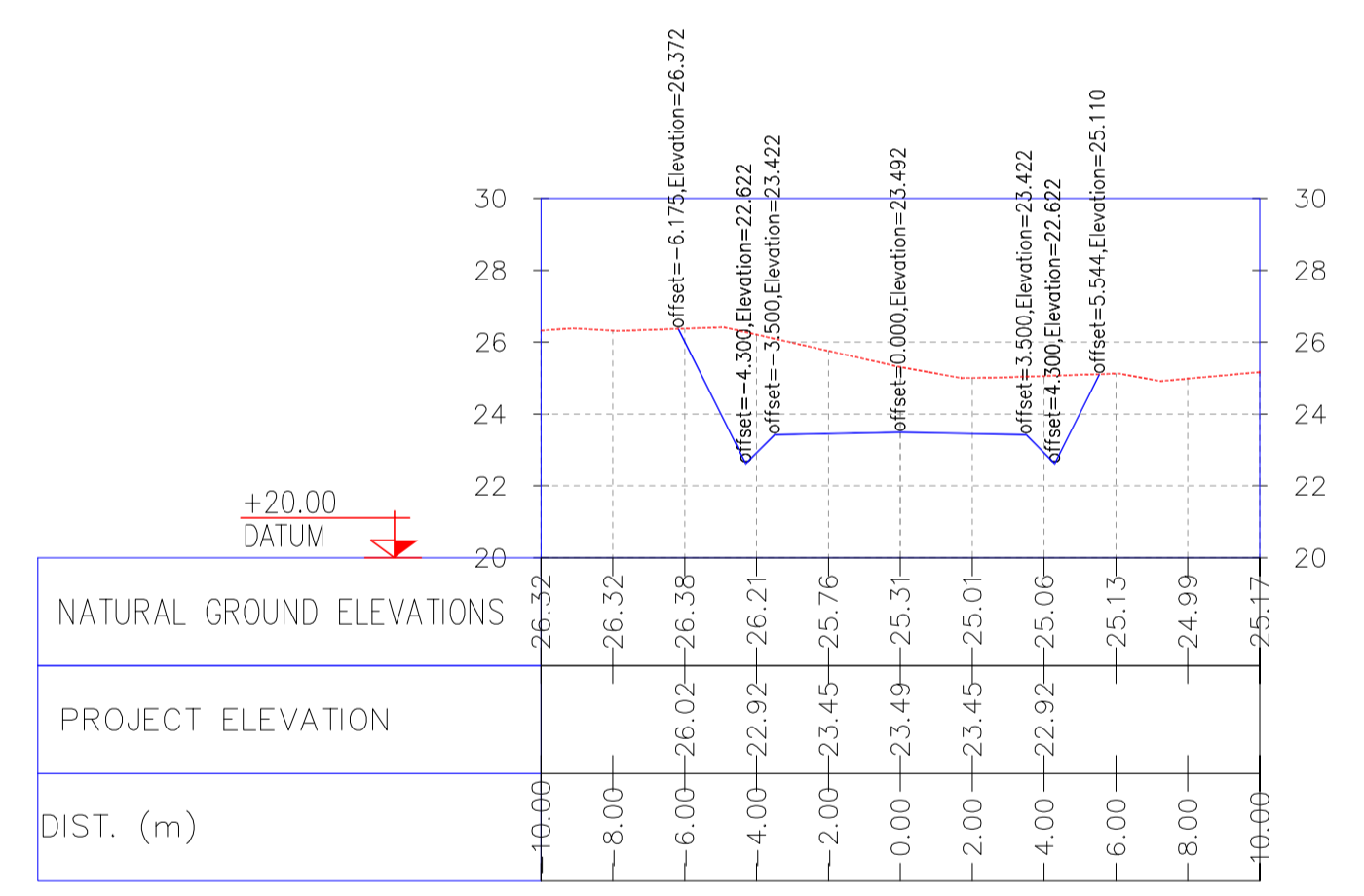
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0+500.00

0+520.00



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY
 DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 490-530M

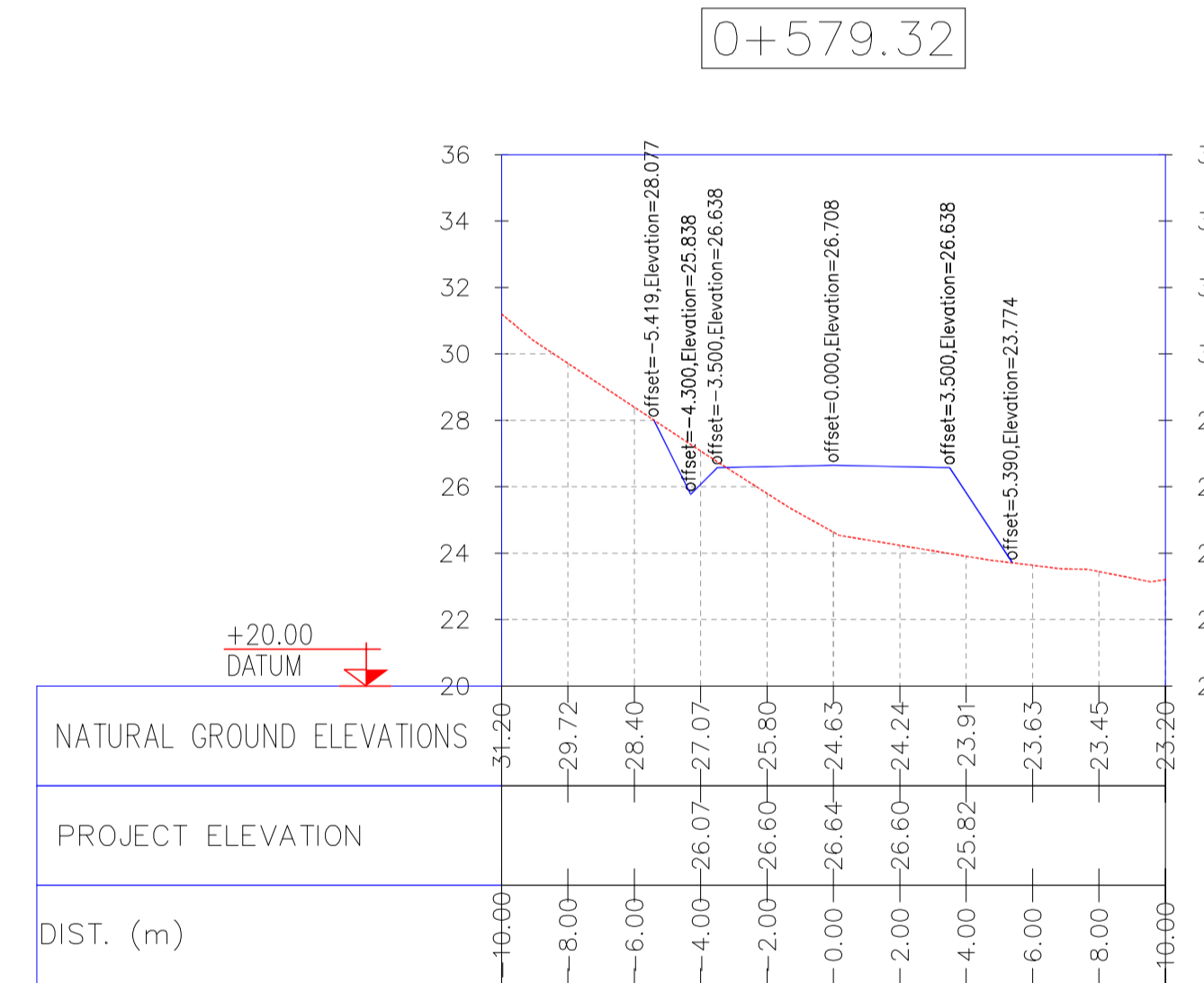
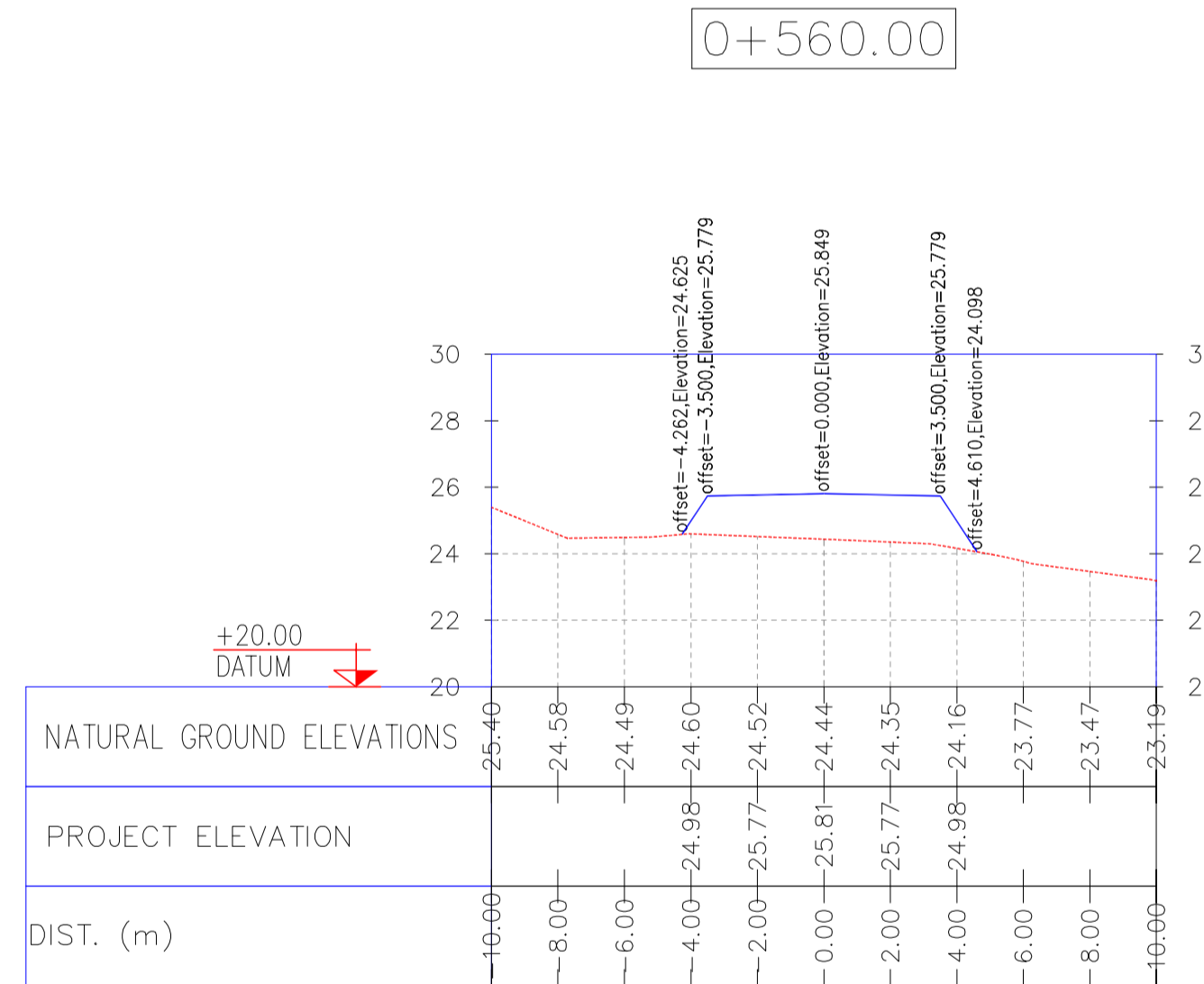
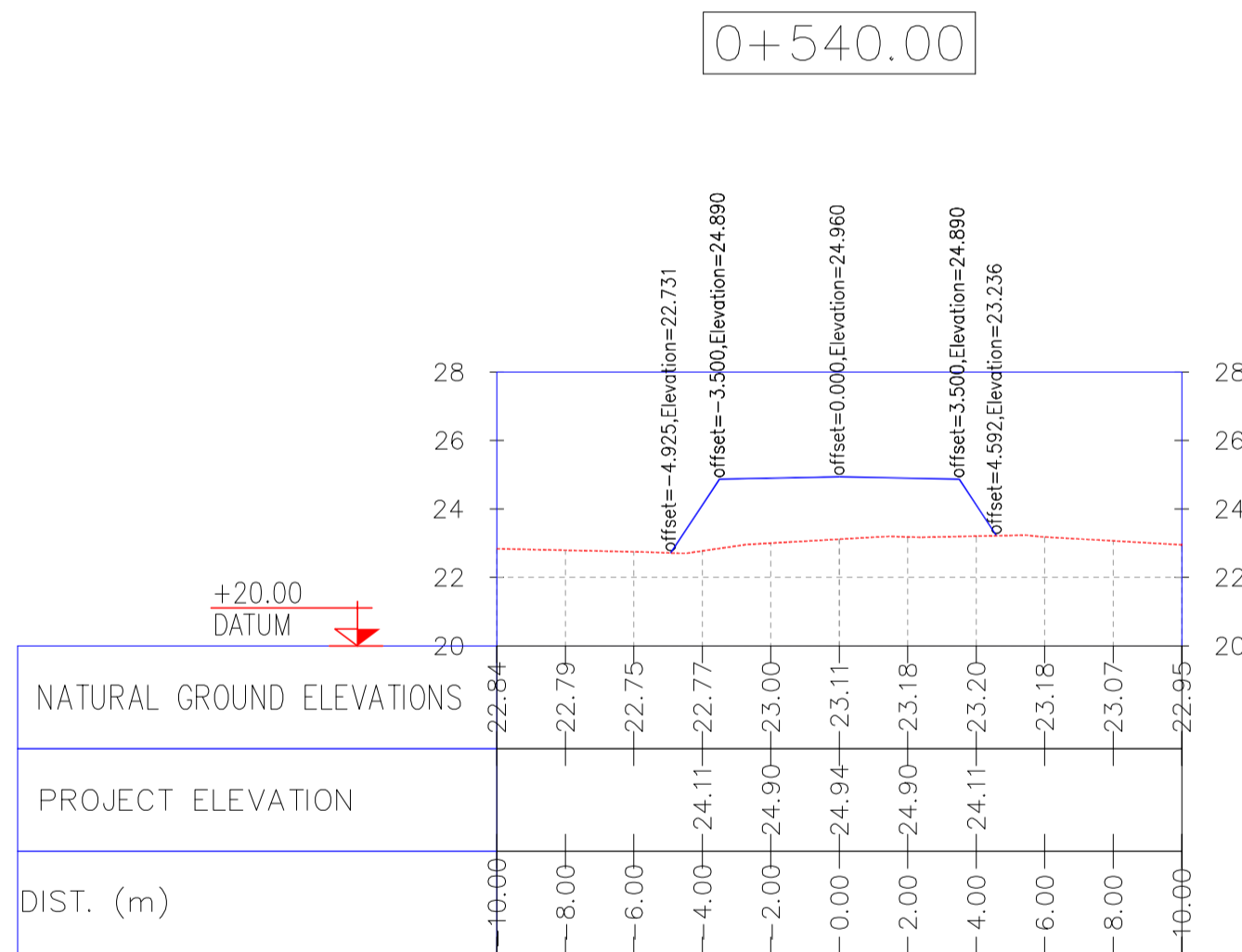
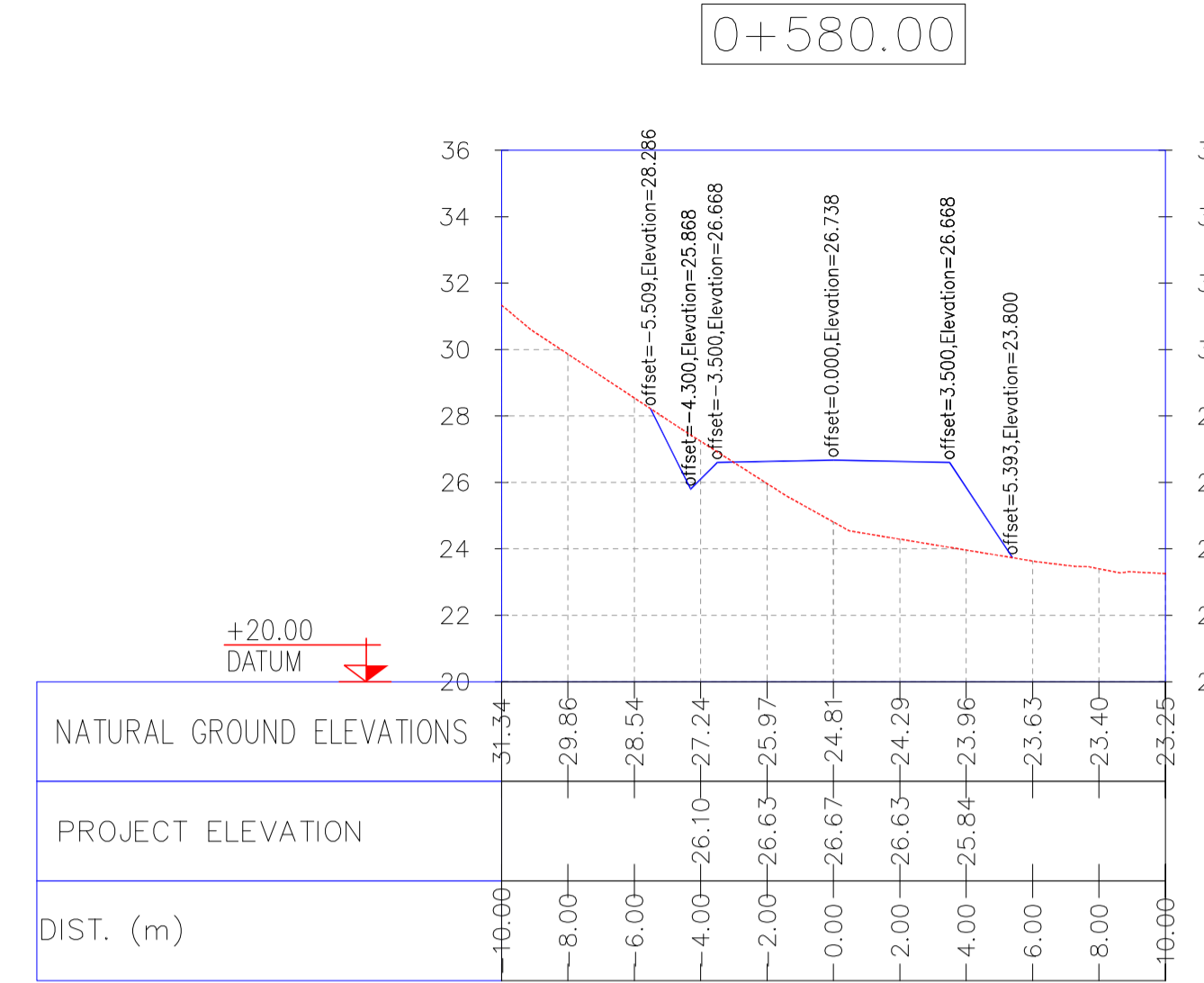
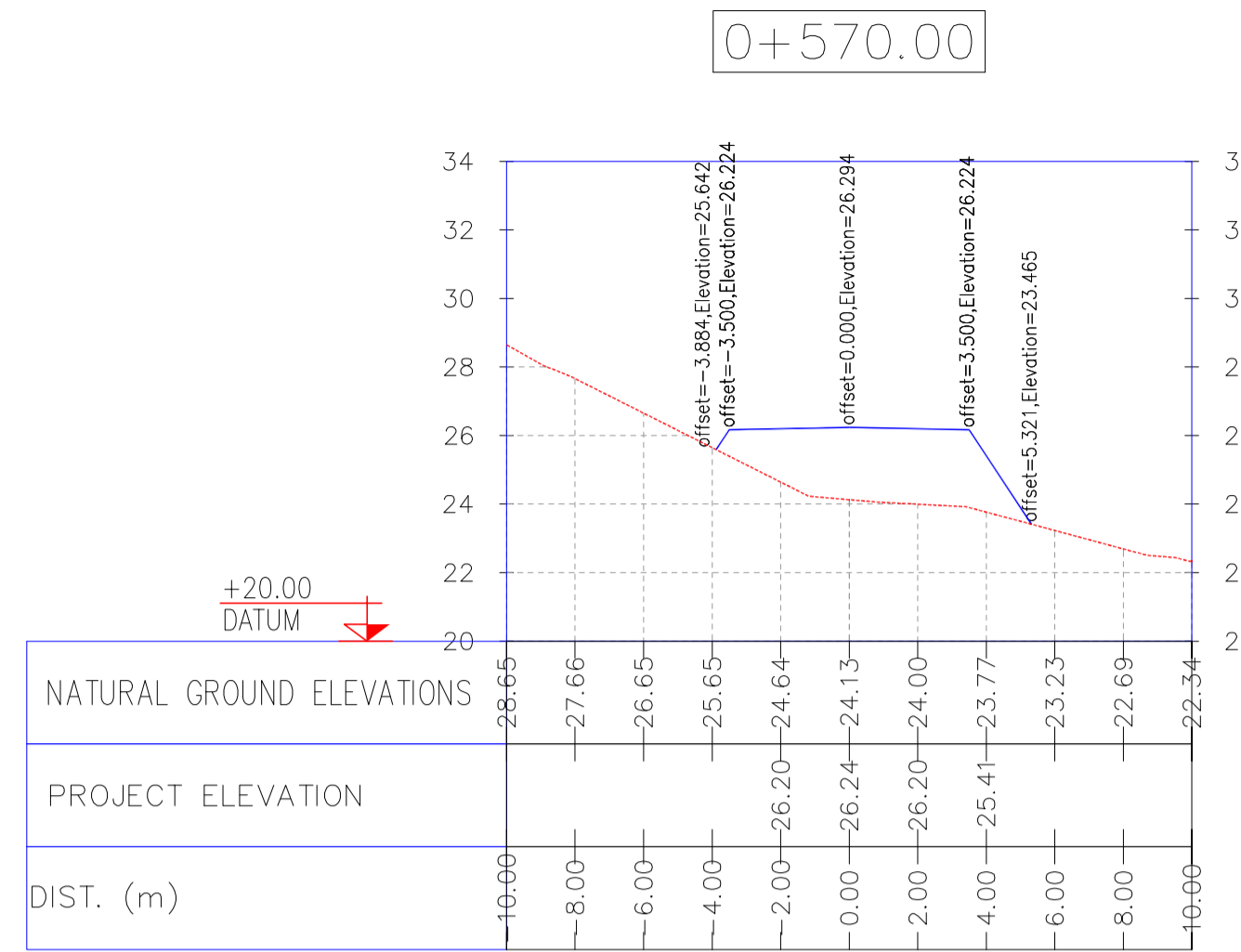
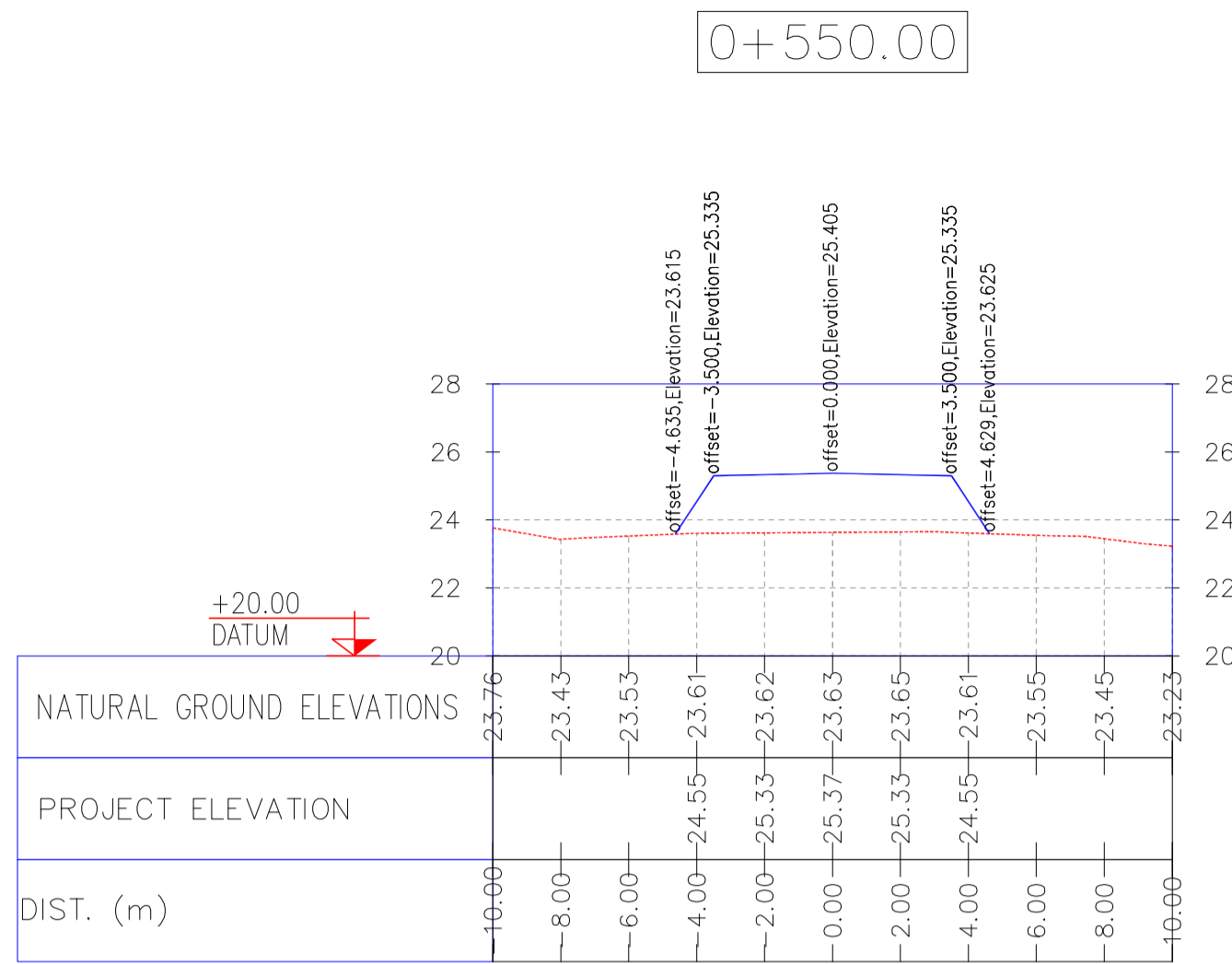
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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| | | | | |

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 32 | D06 |



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|------------------------------|
| General Civil Layout - W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans - W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| | | | | | | |
|------|-----------|---------|-------------|-------------|-------------|------|
| D06 | AUG. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV. 2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT. 2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |
| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |

| | | | | | |
|------|-------------|----|------|----|------|
| REV. | DESCRIPTION | BY | DATE | BY | DATE |
| | | | | | |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 550-580M

| | | | | |
|--------------------|------|------------------------------|-----------|------|
| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
| H=1/200 V=1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 33 of 42 | D06 |

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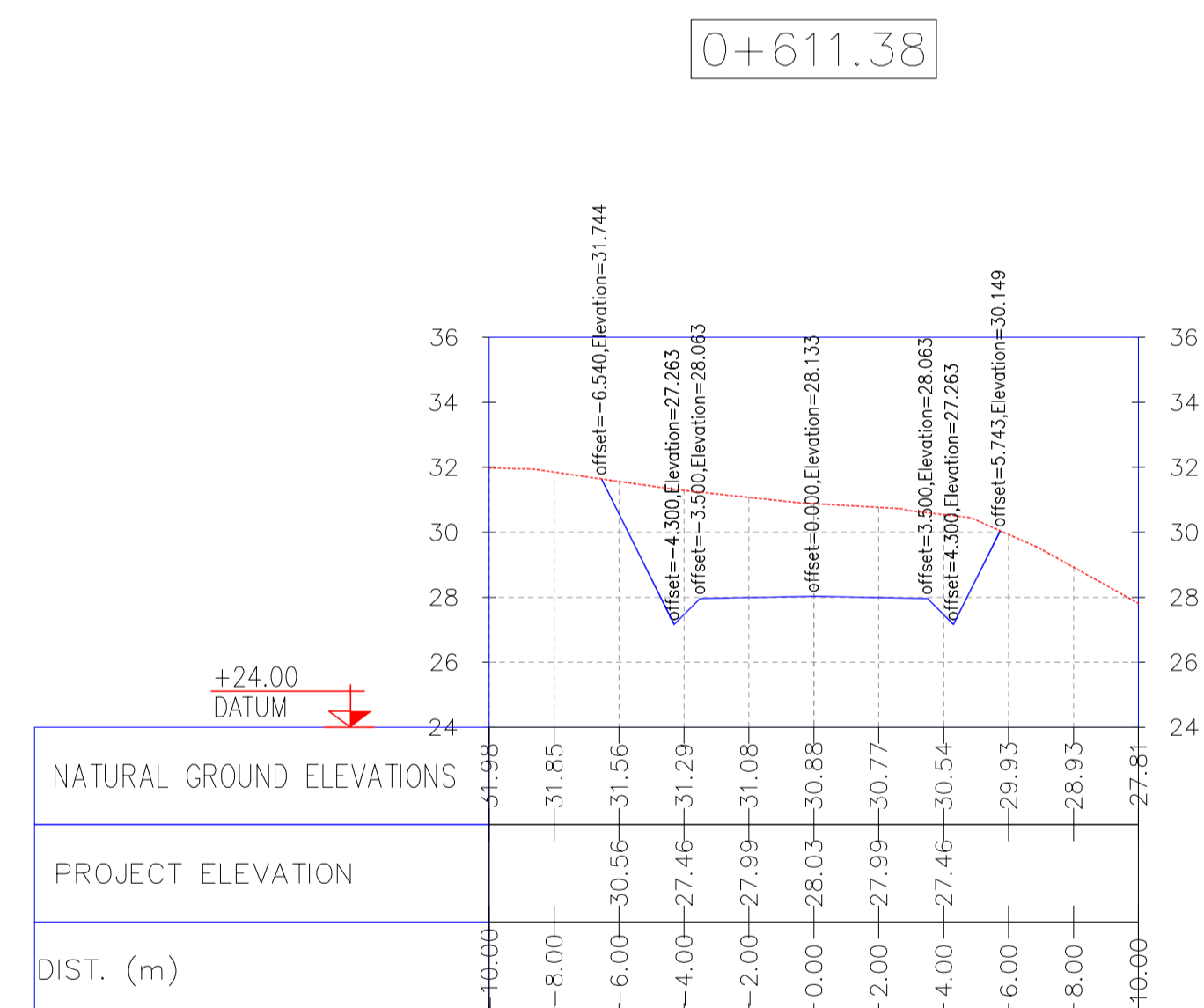
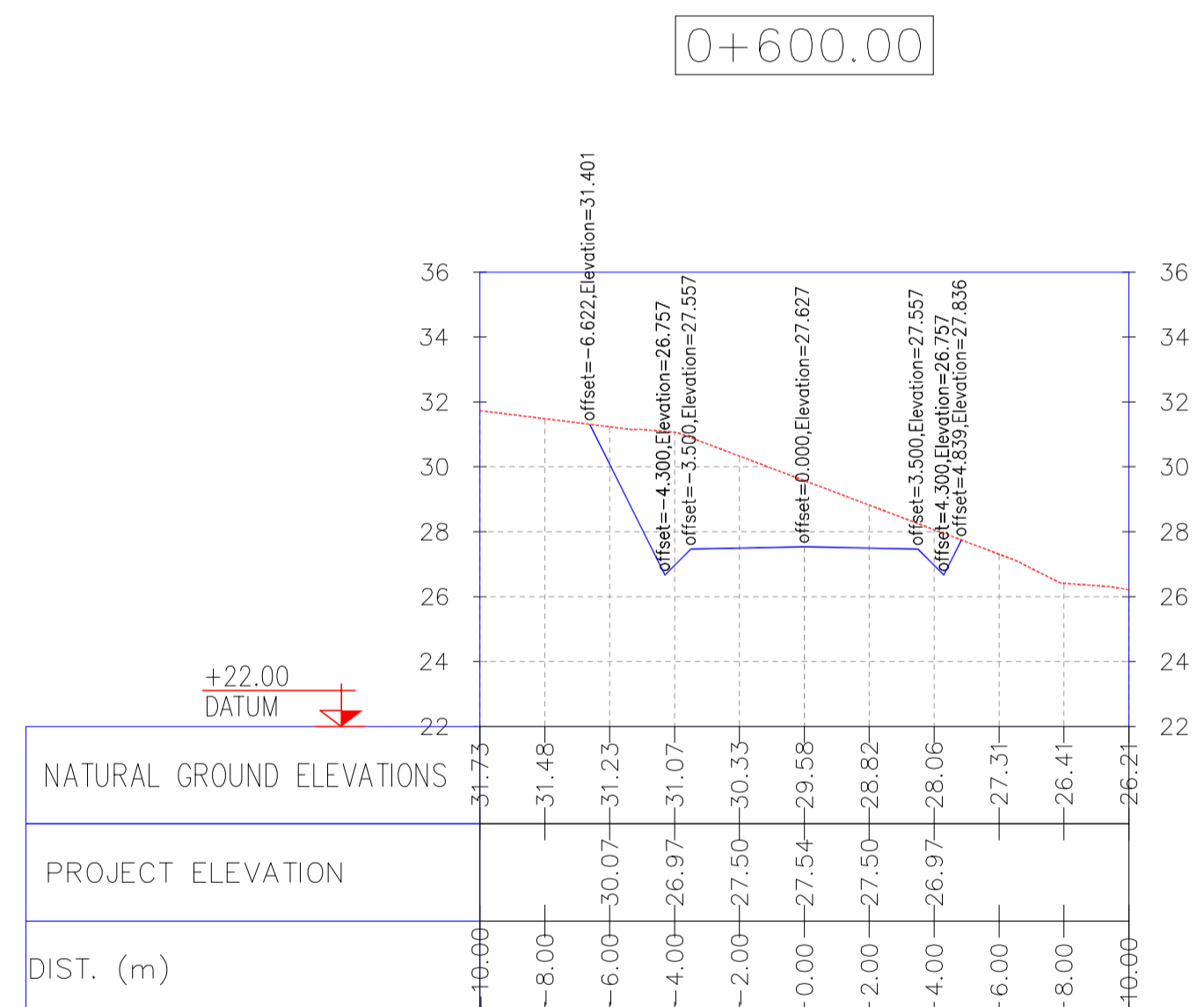
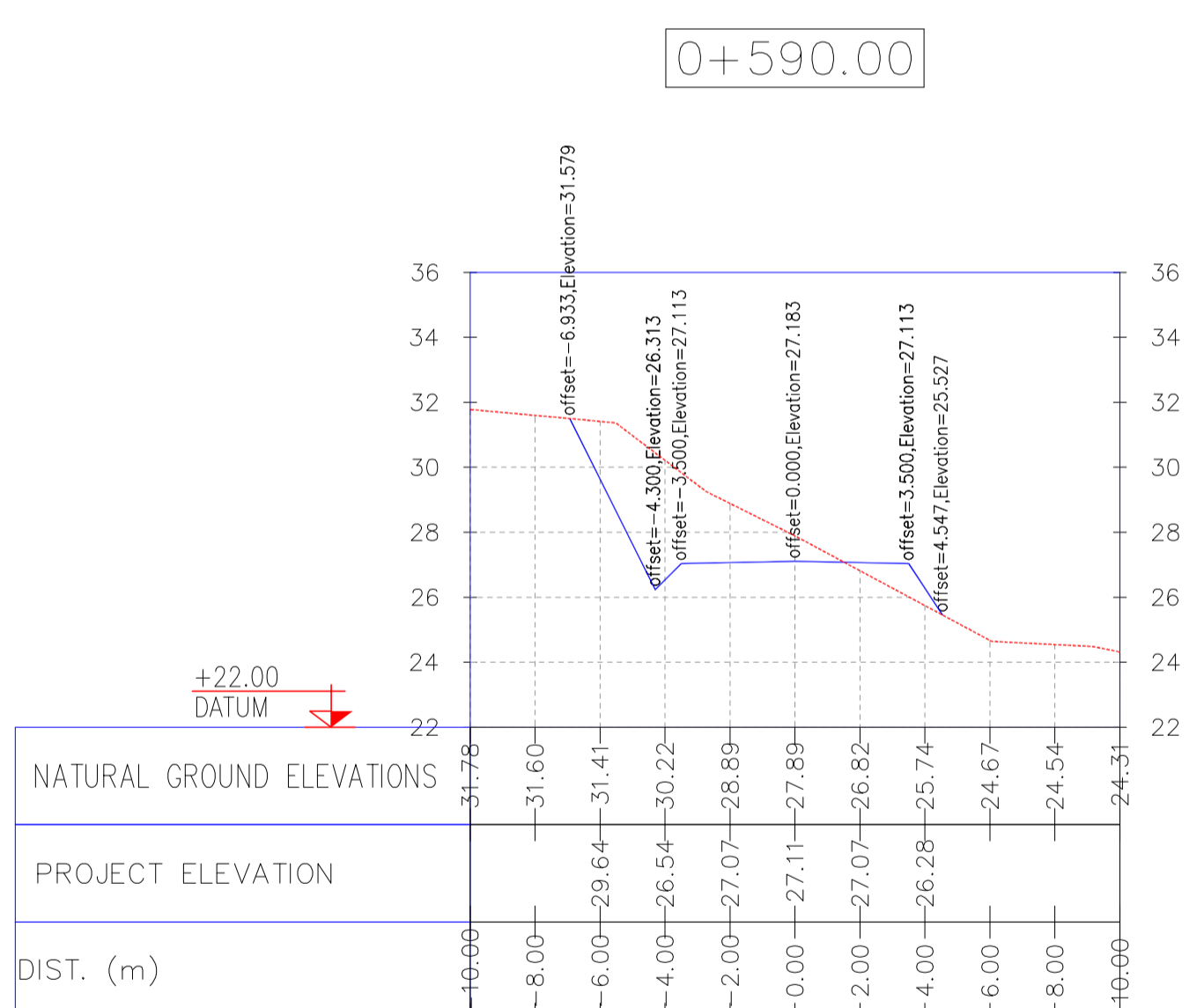
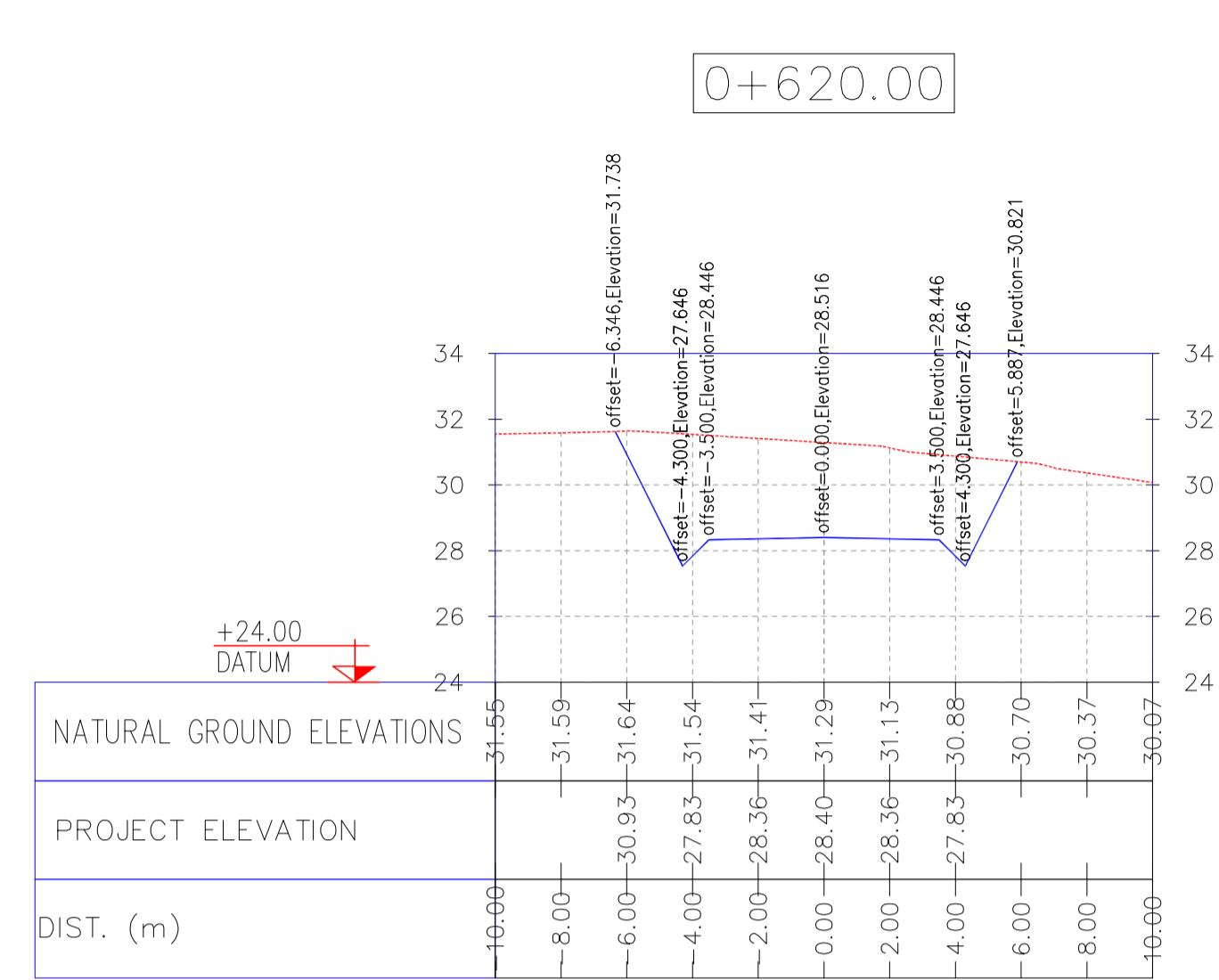
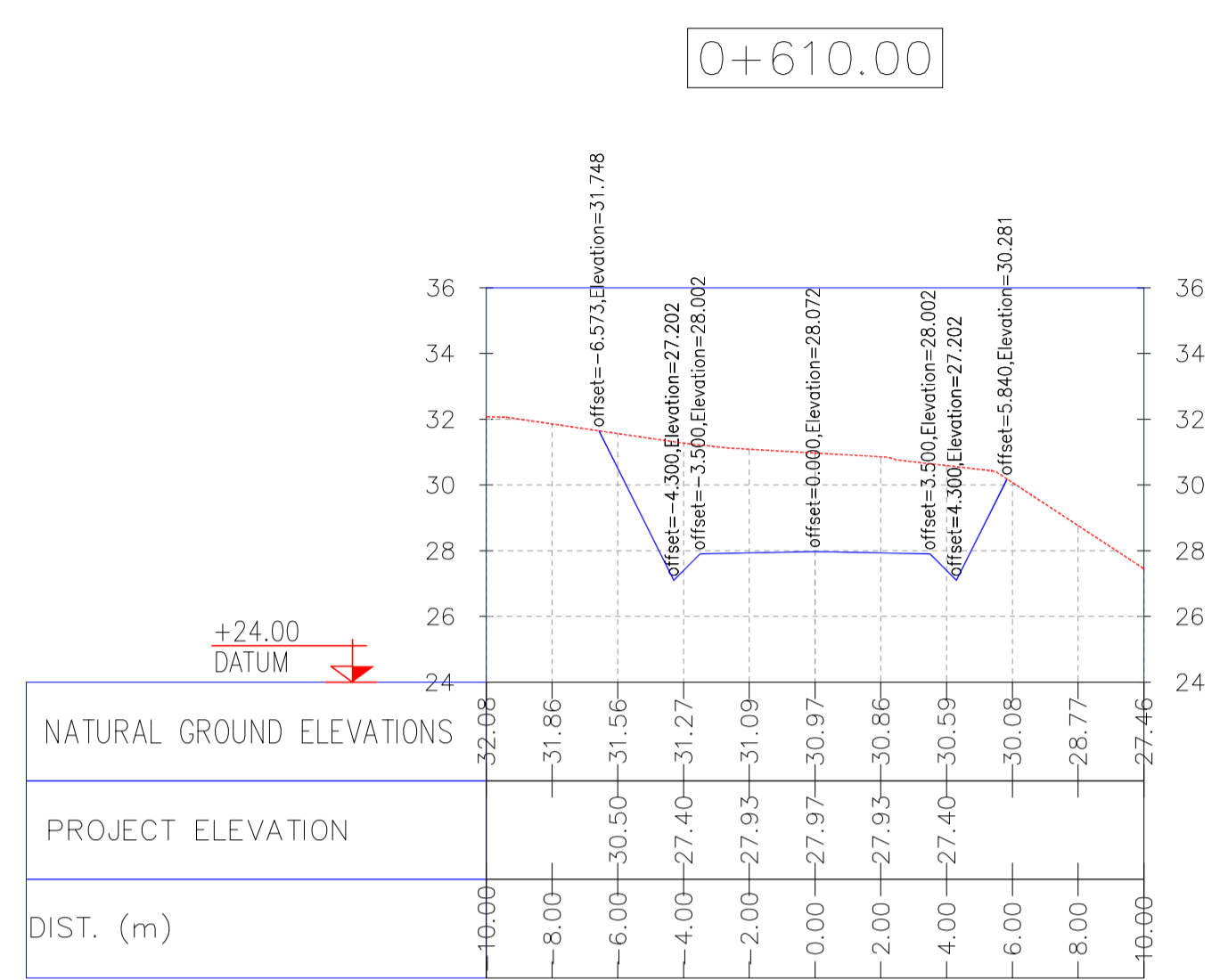
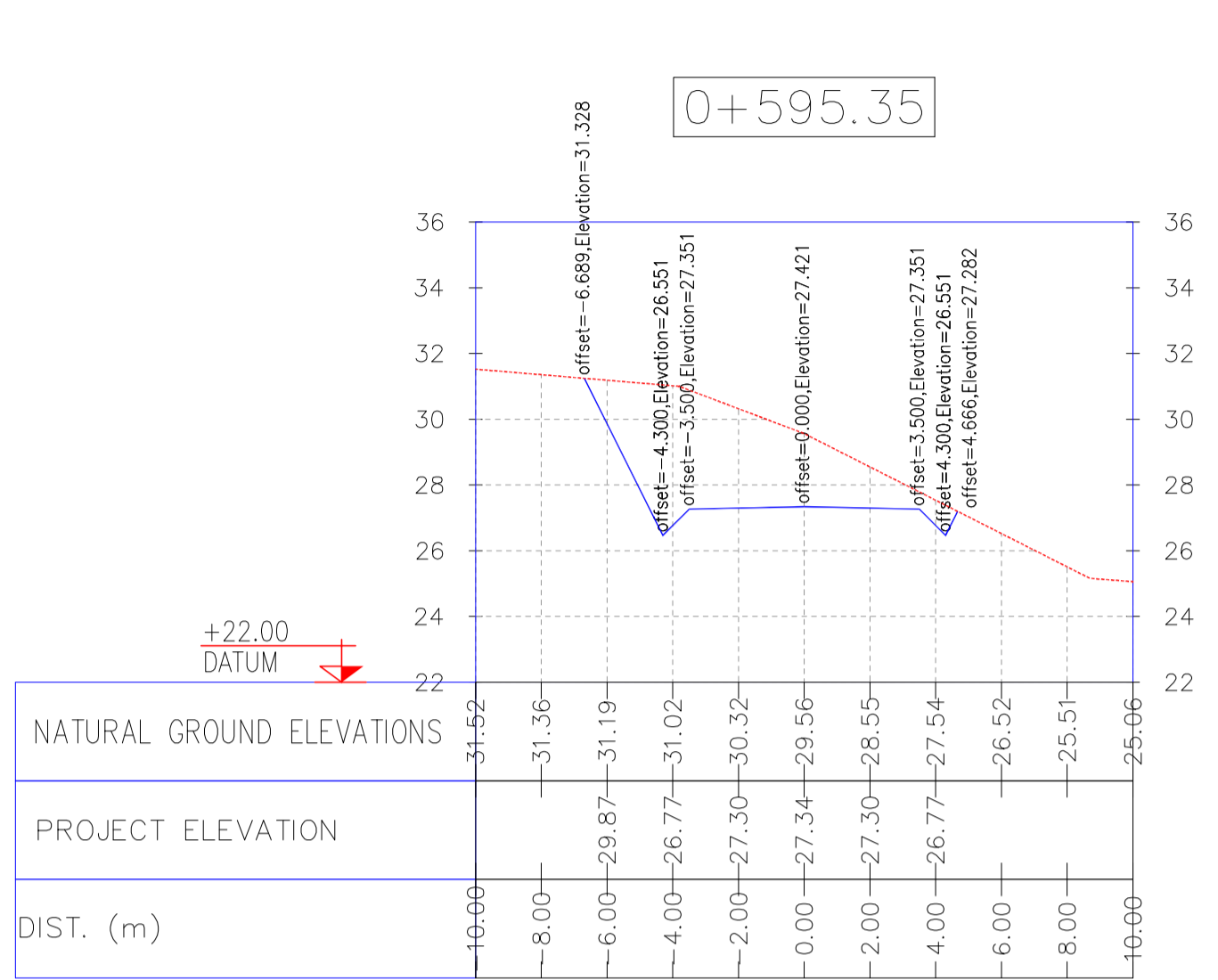
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|--------------|----------|------|-------|------------|-------|----------|
| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
| 053-073-9184 | F | 4 | S | 707548 | 33 | D06 |

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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout - W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans - W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

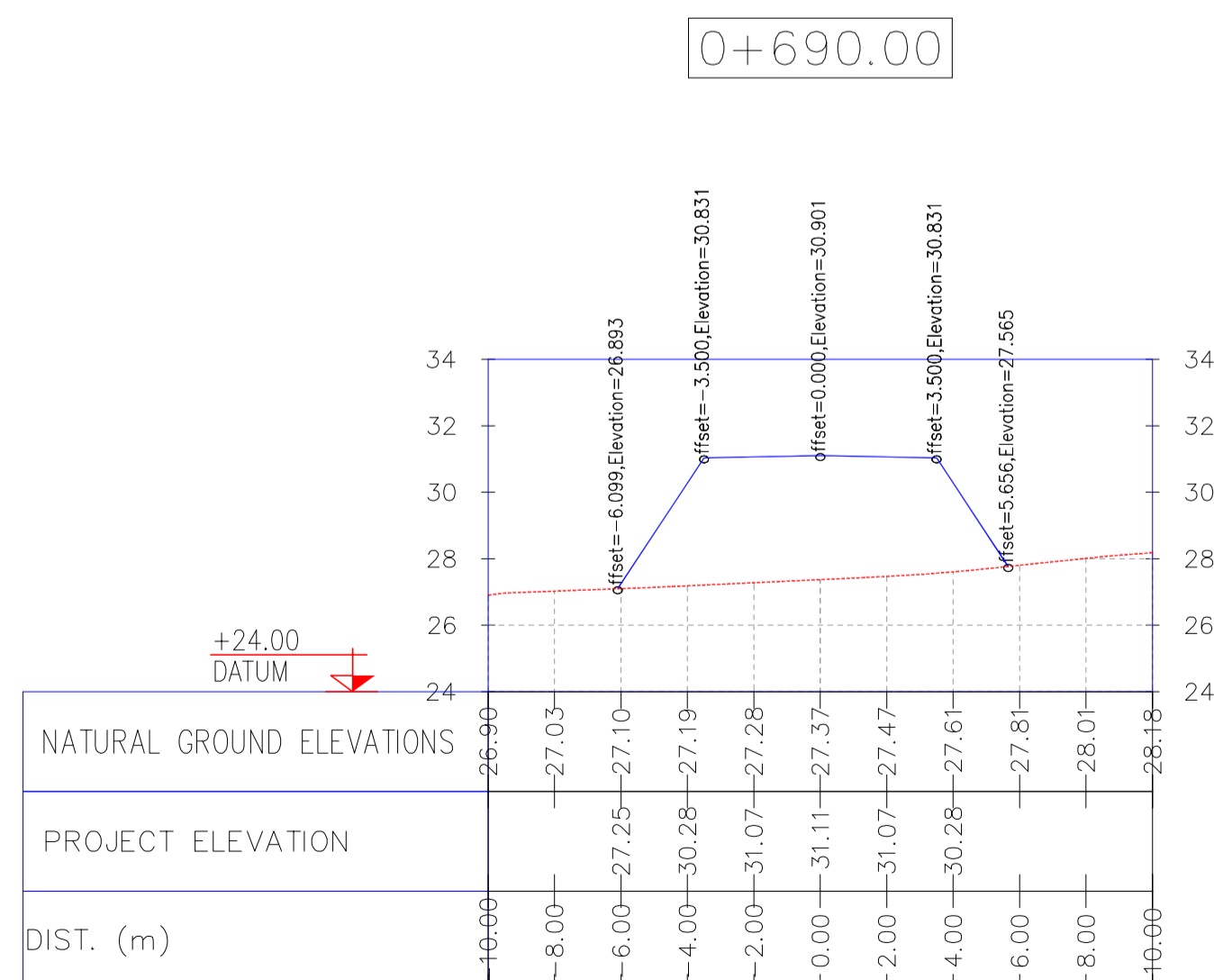
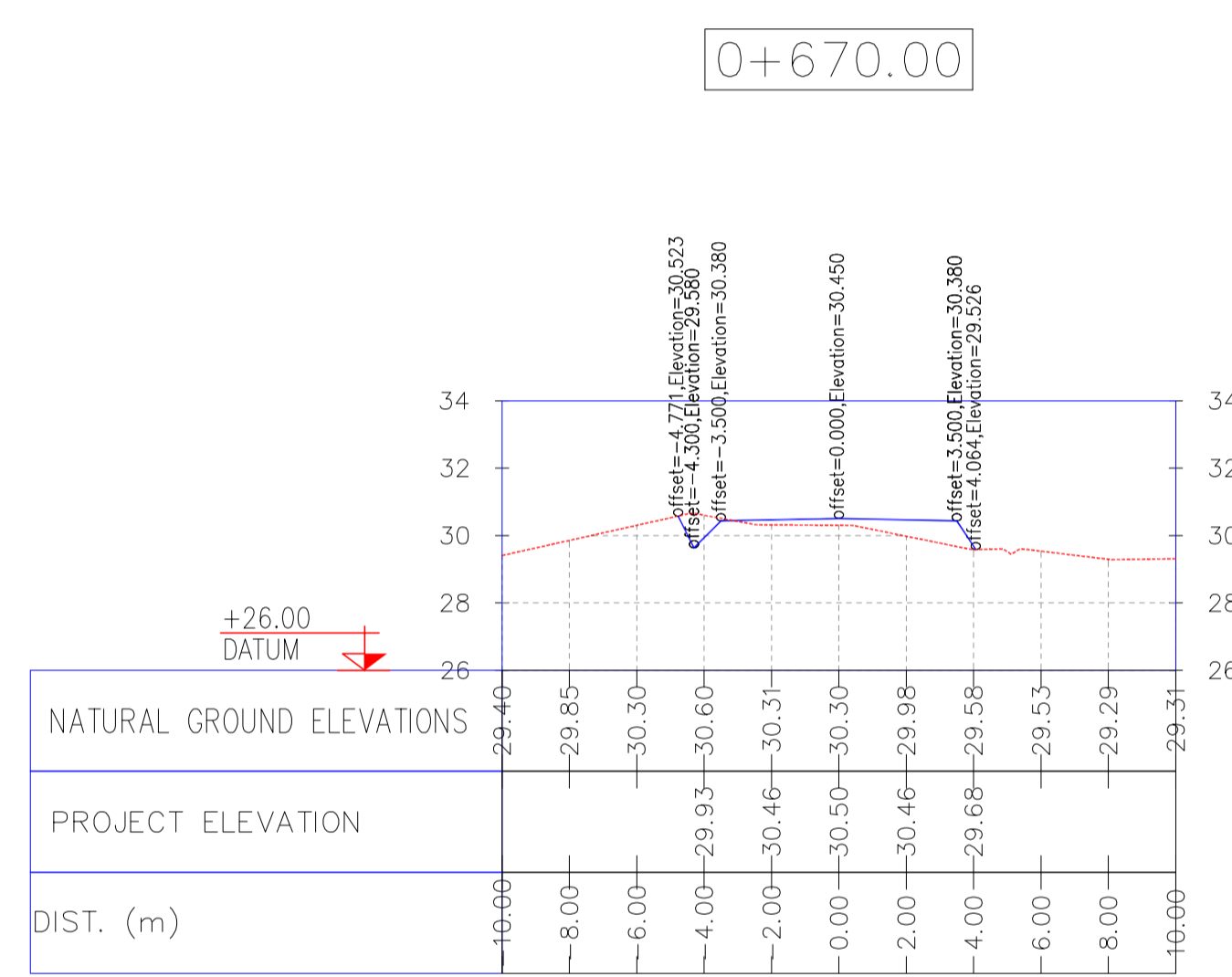
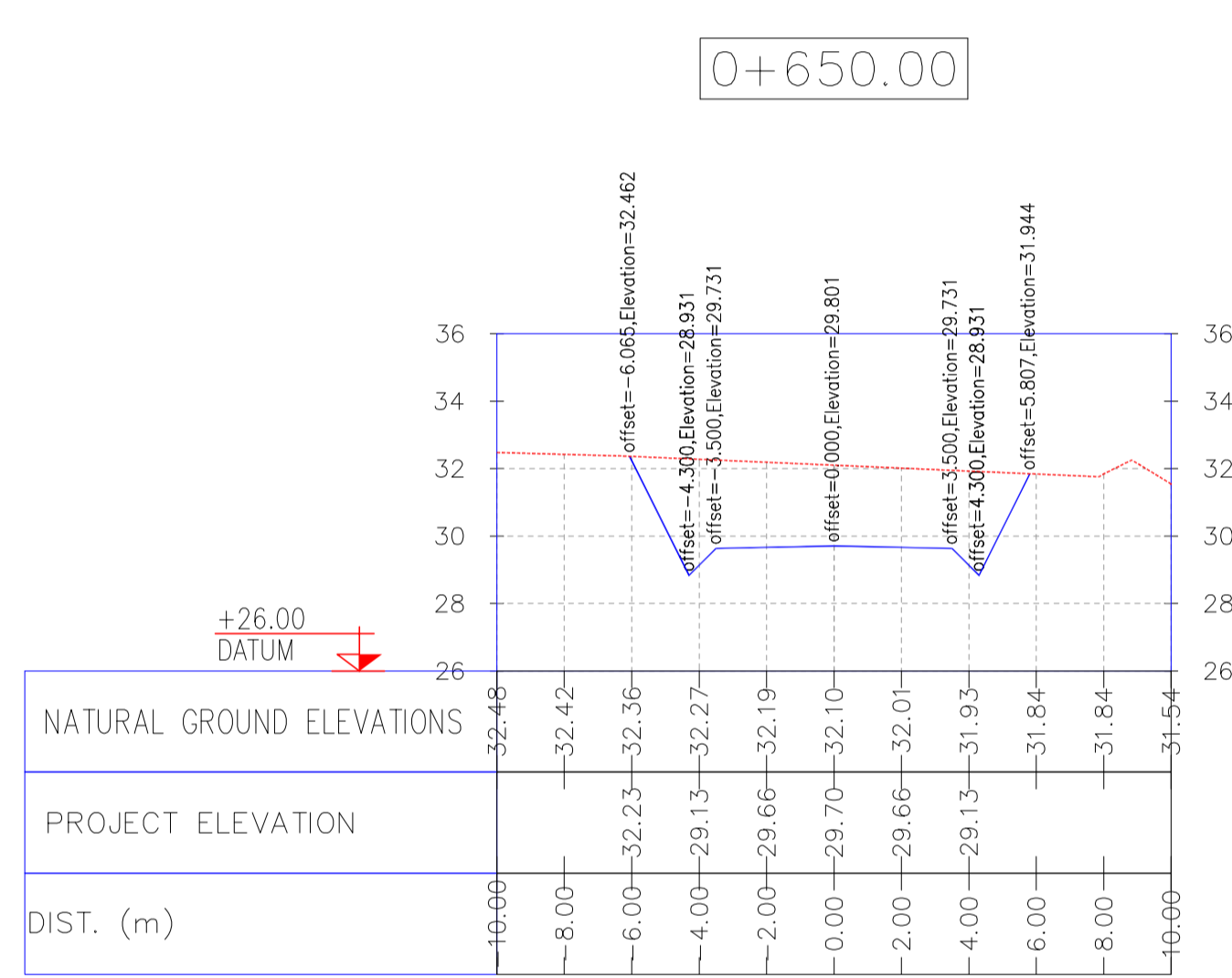
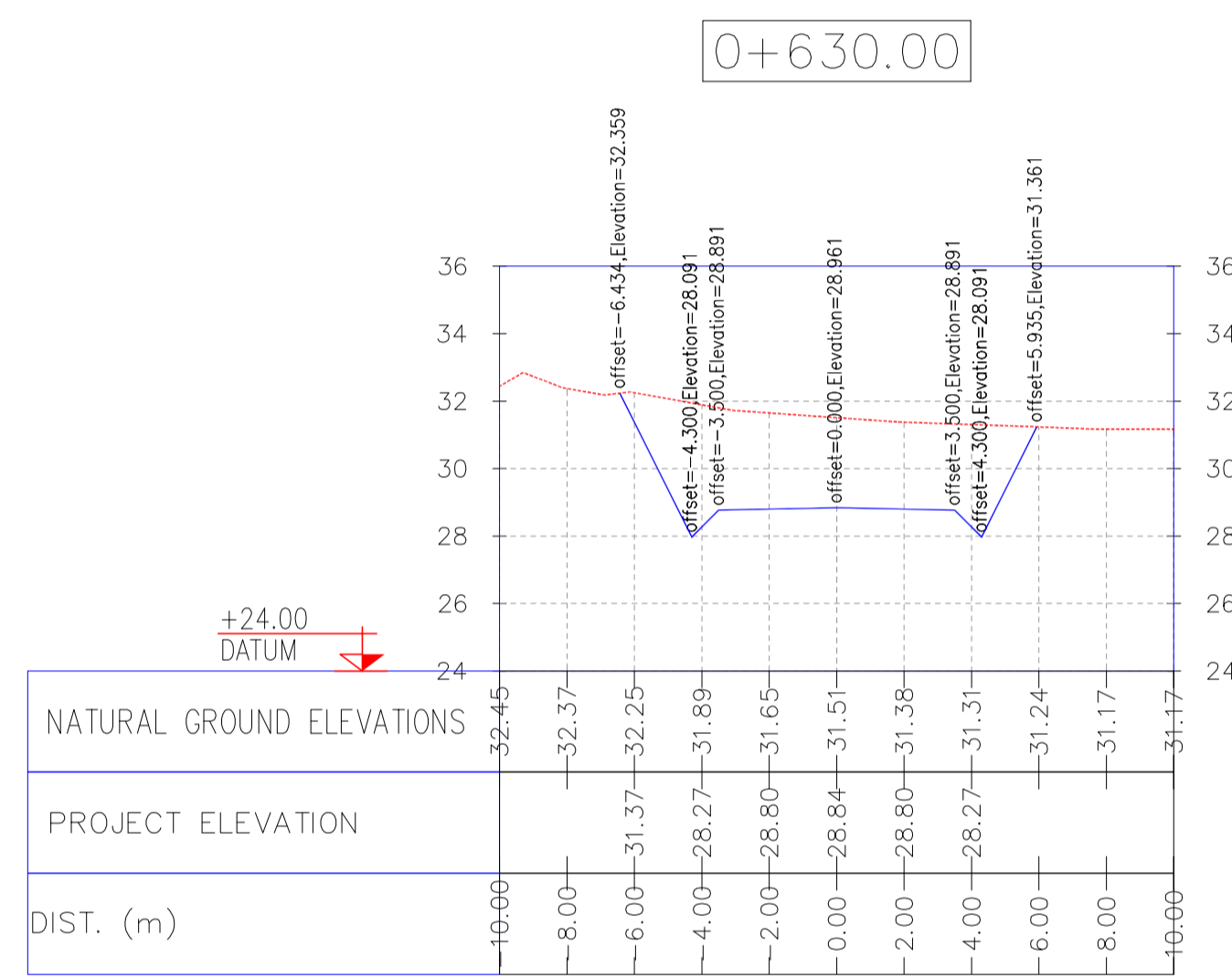
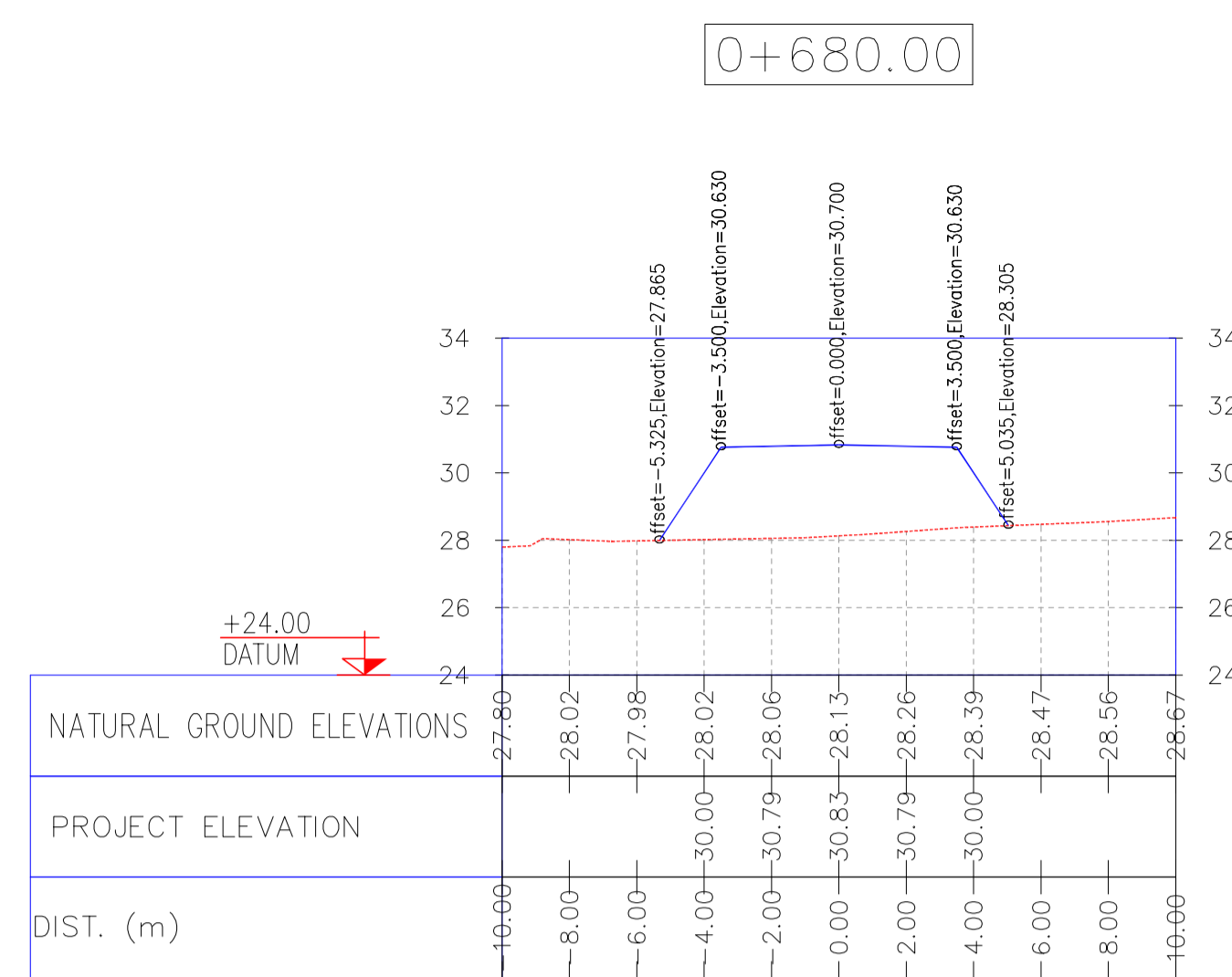
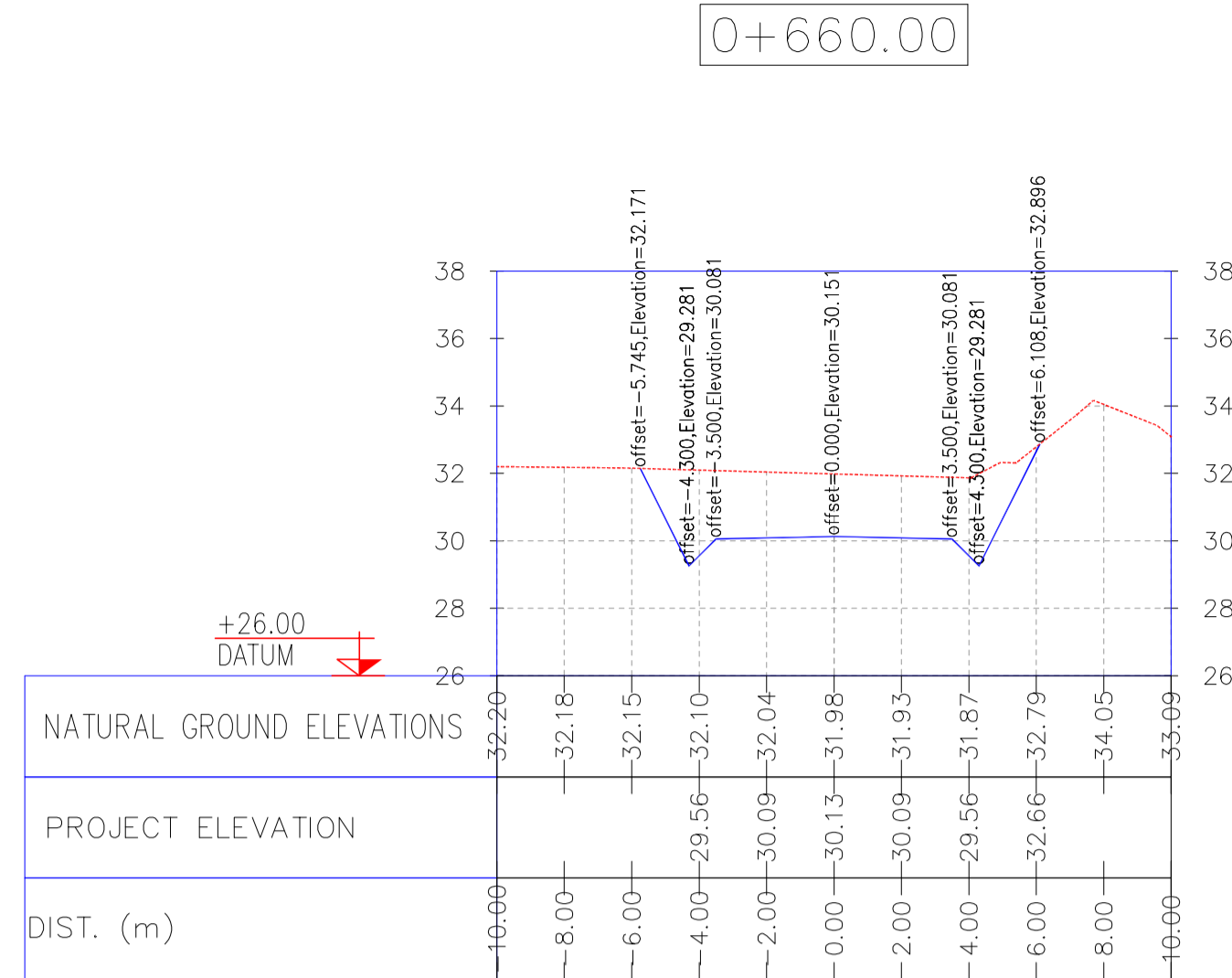
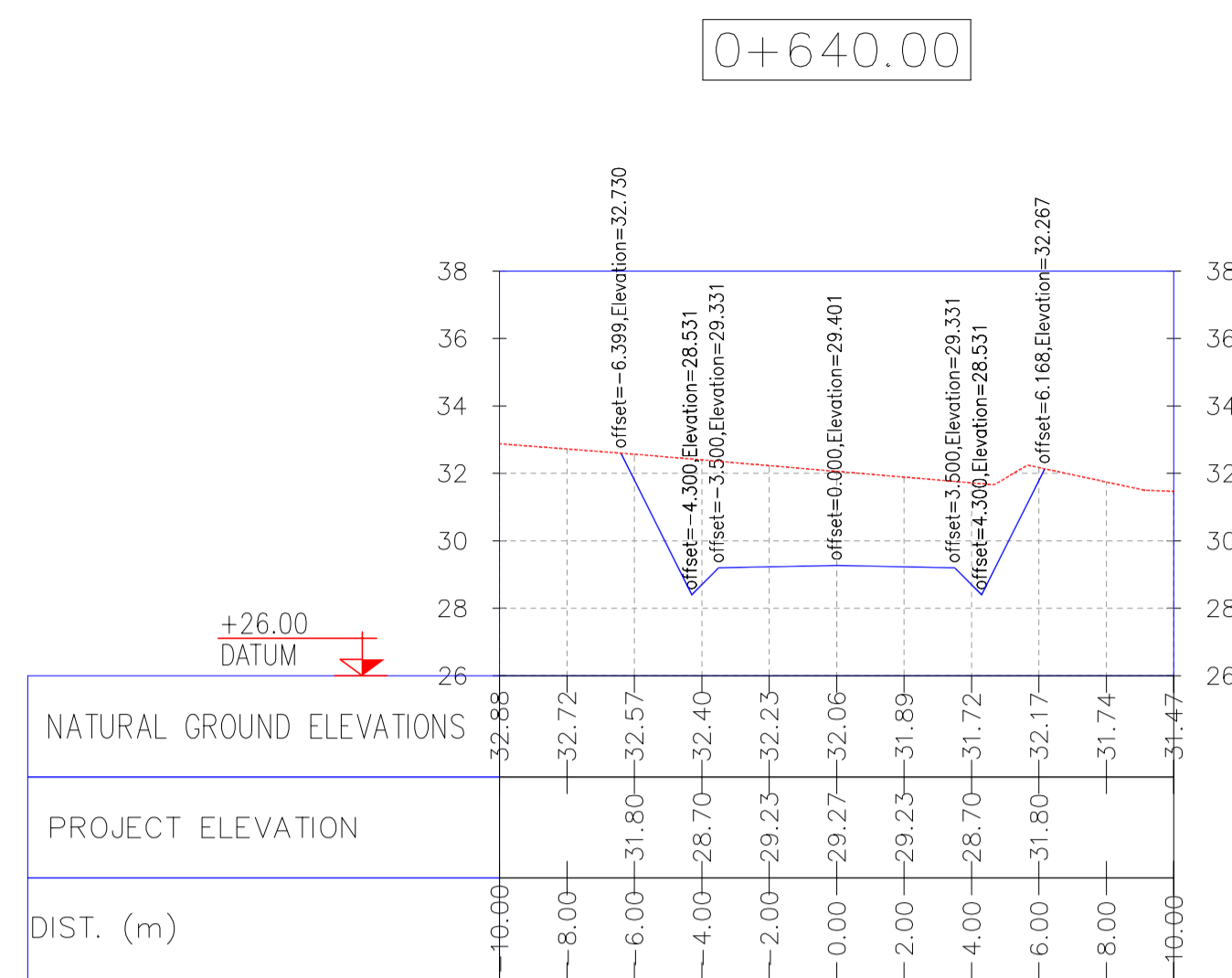


| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|-----------|---------|-------------|-------------|------------|------|
| D06 | AUG. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL. 2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
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| REV. | DESCRIPTION | BY | DATE | BY | DATE |
|------|-------------|-----|-------|-----|-------|
| *** | ***** | *** | ***** | *** | ***** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY
 DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 595.35~620M
 SCALE: 1/200
 DRAWING NO.: BK-W028-PEDCO-110-CV-PY-0002
 SHEET NO.: 34 OF 42
 REV.: D06

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 053-073-9184 F 4 S 707548 34 D06



NOTES
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 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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|------------------------------|
| General Civil Layout - W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans - W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S ACCESS ROAD TRANSVERSAL SECTIONS KM 640-690M

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
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| H=1/200 V=1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 35 of 42 | D06 |

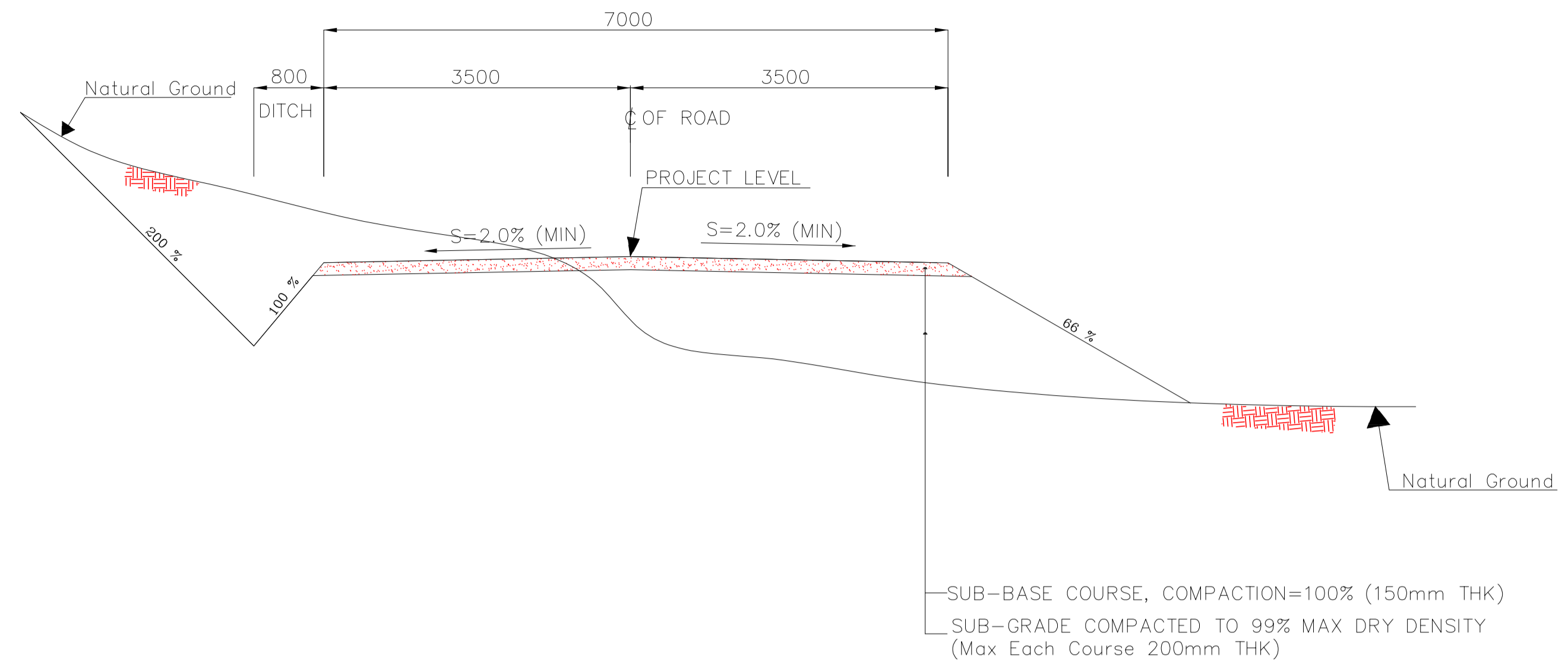
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
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|---------------------------|-----|-------|
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| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 35 | D06 |



N.T.S. 1 TYPICAL CROSS SECTION (Access Road)

CUT & FILL VOLUME TABLE (ACCESS ROAD)

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+000.000 | 0.22 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+010.000 | 0.52 | 0.81 | 3.68 | 9.62 | 3.68 | 9.62 |
| 0+020.000 | 1.62 | 0.55 | 10.67 | 6.81 | 14.35 | 16.43 |
| 0+030.000 | 1.14 | 0.68 | 13.80 | 6.16 | 28.15 | 22.59 |
| 0+040.000 | 0.92 | 0.56 | 10.33 | 6.19 | 38.48 | 28.78 |
| 0+050.000 | 0.80 | 0.65 | 8.63 | 6.02 | 47.10 | 34.80 |
| 0+060.000 | 1.17 | 0.52 | 9.84 | 5.83 | 56.94 | 40.63 |
| 0+070.000 | 0.73 | 0.59 | 9.45 | 5.54 | 66.40 | 46.17 |
| 0+080.000 | 0.20 | 0.80 | 4.65 | 6.95 | 71.05 | 53.13 |
| 0+090.000 | 0.00 | 2.32 | 1.02 | 15.61 | 72.07 | 68.74 |
| 0+100.000 | 0.00 | 2.46 | 0.00 | 23.92 | 72.07 | 92.66 |
| 0+110.000 | 0.17 | 2.22 | 0.84 | 23.42 | 72.91 | 116.08 |
| 0+120.000 | 0.08 | 3.00 | 1.22 | 26.11 | 74.13 | 142.19 |
| 0+130.000 | 0.00 | 3.80 | 0.38 | 34.03 | 74.51 | 176.22 |
| 0+140.000 | 0.00 | 3.31 | 0.00 | 35.58 | 74.51 | 211.81 |
| 0+145.967 | 0.00 | 2.77 | 0.00 | 18.15 | 74.51 | 229.95 |
| 0+150.000 | 0.00 | 3.08 | 0.00 | 11.66 | 74.51 | 241.61 |
| 0+152.980 | 0.00 | 2.94 | 0.00 | 8.84 | 74.51 | 250.45 |
| 0+159.993 | 0.00 | 3.12 | 0.00 | 20.85 | 74.51 | 271.30 |
| 0+160.000 | 0.00 | 3.13 | 0.00 | 0.02 | 74.51 | 271.32 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+170.000 | 0.00 | 4.69 | 0.00 | 39.09 | 74.51 | 310.41 |
| 0+180.000 | 0.00 | 6.22 | 0.00 | 54.57 | 74.51 | 364.98 |
| 0+190.000 | 13.92 | 0.00 | 69.61 | 31.11 | 144.12 | 396.09 |
| 0+197.457 | 17.27 | 0.00 | 116.30 | 0.00 | 260.42 | 396.09 |
| 0+200.000 | 9.15 | 0.00 | 32.95 | 0.00 | 293.37 | 396.09 |
| 0+210.000 | 1.06 | 0.69 | 49.83 | 3.76 | 343.20 | 399.84 |
| 0+220.000 | 0.70 | 1.33 | 8.50 | 10.89 | 351.70 | 410.73 |
| 0+221.113 | 0.54 | 1.50 | 0.66 | 1.69 | 352.36 | 412.43 |
| 0+230.000 | 0.16 | 2.18 | 2.94 | 17.45 | 355.30 | 429.88 |
| 0+240.000 | 0.41 | 1.44 | 2.70 | 19.29 | 357.99 | 449.17 |
| 0+244.769 | 0.61 | 0.00 | 2.36 | 5.76 | 360.36 | 454.93 |
| 0+250.000 | 1.83 | 0.00 | 6.39 | 2.11 | 366.74 | 457.04 |
| 0+260.000 | 7.53 | 0.00 | 46.80 | 0.00 | 413.54 | 457.04 |
| 0+269.911 | 8.71 | 0.00 | 80.48 | 0.00 | 494.03 | 457.04 |
| 0+270.000 | 8.71 | 0.00 | 0.77 | 0.00 | 494.80 | 457.04 |
| 0+280.000 | 6.89 | 0.00 | 79.06 | 0.00 | 573.86 | 457.04 |
| 0+290.000 | 1.44 | 1.66 | 42.87 | 7.95 | 616.73 | 464.99 |
| 0+300.000 | 0.00 | 1.84 | 7.62 | 17.03 | 624.35 | 482.02 |
| 0+310.000 | 3.18 | 0.00 | 16.17 | 9.07 | 640.52 | 491.10 |
| 0+310.026 | 3.19 | 0.00 | 0.08 | 0.00 | 640.60 | 491.10 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+320.000 | 2.31 | 0.00 | 27.58 | 0.00 | 668.18 | 491.10 |
| 0+330.000 | 2.12 | 0.67 | 21.58 | 3.62 | 689.76 | 494.72 |
| 0+340.000 | 20.98 | 0.00 | 116.83 | 3.62 | 806.59 | 498.34 |
| 0+350.000 | 16.29 | 0.00 | 187.50 | 0.00 | 994.09 | 498.34 |
| 0+350.140 | 15.87 | 0.00 | 2.25 | 0.00 | 996.34 | 498.34 |
| 0+360.000 | 2.24 | 7.01 | 89.24 | 34.55 | 1085.59 | 532.90 |
| 0+370.000 | 1.47 | 1.30 | 18.52 | 41.56 | 1104.10 | 574.46 |
| 0+380.000 | 0.09 | 3.63 | 7.77 | 24.65 | 1111.87 | 599.11 |
| 0+390.000 | 0.00 | 10.00 | 0.43 | 68.11 | 1112.31 | 667.22 |
| 0+400.000 | 0.00 | 14.87 | 0.00 | 124.34 | 1112.31 | 791.56 |
| 0+410.000 | 0.00 | 20.52 | 0.00 | 176.94 | 1112.31 | 968.50 |
| 0+413.789 | 0.00 | 24.15 | 0.00 | 84.60 | 1112.31 | 1053.10 |
| 0+420.000 | 0.00 | 29.88 | 0.00 | 168.38 | 1112.31 | 1221.48 |
| 0+430.000 | 0.00 | 40.89 | 0.00 | 354.75 | 1112.31 | 1576.23 |
| 0+440.000 | 0.00 | 63.25 | 0.00 | 518.21 | 1112.31 | 2094.43 |
| 0+445.194 | 0.00 | 66.19 | 0.00 | 333.65 | 1112.31 | 2428.08 |
| 0+450.000 | 0.00 | 58.97 | 0.00 | 299.14 | 1112.31 | 2727.22 |
| 0+460.000 | 0.00 | 48.10 | 0.00 | 532.89 | 1112.31 | 3260.11 |
| 0+470.000 | 0.00 | 41.40 | 0.00 | 443.97 | 1112.31 | 3704.08 |
| 0+476.600 | 0.00 | 20.07 | 0.00 | 200.88 | 1112.31 | 3904.97 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+480.000 | 0.00 | 22.76 | 0.00 | 72.80 | 1112.31 | 3977.76 |
| 0+490.000 | 0.29 | 3.45 | 1.47 | 131.03 | 1113.78 | 4108.79 |
| 0+500.000 | 7.15 | 0.00 | 37.23 | 17.23 | 1151.00 | 4126.02 |
| 0+510.000 | 10.30 | 0.00 | 87.26 | 0.00 | 1238.26 | 4126.02 |
| 0+520.000 | 14.93 | 0.00 | 126.14 | 0.00 | 1364.40 | 4126.02 |
| 0+530.000 | 15.35 | 0.00 | 151.40 | 0.00 | 1515.80 | 4126.02 |
| 0+540.000 | 15.10 | 0.00 | 152.28 | 0.00 | 1668.08 | 4126.02 |
| 0+550.000 | 13.84 | 0.00 | 144.72 | 0.00 | 1812.80 | 4126.02 |
| 0+560.000 | 10.63 | 0.00 | 122.35 | 0.00 | 1935.15 | 4126.02 |
| 0+570.000 | 15.51 | 0.00 | 130.70 | 0.00 | 2065.85 | 4126.02 |
| 0+579.319 | 13.96 | 1.53 | 137.36 | 7.15 | 2203.21 | 4133.17 |
| 0+580.000 | 13.35 | 1.83 | 9.29 | 1.15 | 2212.50 | 4134.32 |
| 0+590.000 | 1.55 | 15.51 | 75.05 | 85.41 | 2287.55 | 4219.73 |
| 0+595.350 | 0.00 | 24.55 | 4.21 | 105.99 | 2291.75 | 4325.71 |
| 0+600.000 | 0.00 | 23.95 | 0.00 | 111.86 | 2291.75 | 4437.57 |
| 0+610.000 | 0.00 | 34.22 | 0.00 | 289.60 | 2291.75 | 4727.17 |
| 0+611.380 | 0.00 | 32.92 | 0.00 | 46.32 | 2291.75 | 4773.50 |
| 0+620.000 | 0.00 | 32.29 | 0.00 | 281.04 | 2291.75 | 5054.54 |
| 0+630.000 | 0.00 | 31.21 | 0.00 | 317.49 | 2291.75 | 5372.03 |
| 0+640.000 | 0.00 | 32.38 | 0.00 | 317.95 | 2291.75 | 5689.98 |

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+650.000 | 0.00 | 26.97 | 0.00 | 296.77 | 2291.75 | 5986.75 |
| 0+660.000 | 0.00 | 21.39 | 0.00 | 241.80 | 2291.75 | 6228.55 |
| 0+670.000 | 2.24 | 0.70 | 10.83 | 110.71 | 2302.59 | 6339.27 |
| 0+680.000 | 22.80 | 0.00 | 125.39 | 4.21 | 2427.98 | 6343.48 |
| 0+690.000 | 34.59 | 0.00 | 289.87 | 0.00 | 2717.85 | 6343.48 |

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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DESCRIPTION | BY | DATE | BY | DATE | |
|------|-------------|-----|-------------|-------------|--------------|-----|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

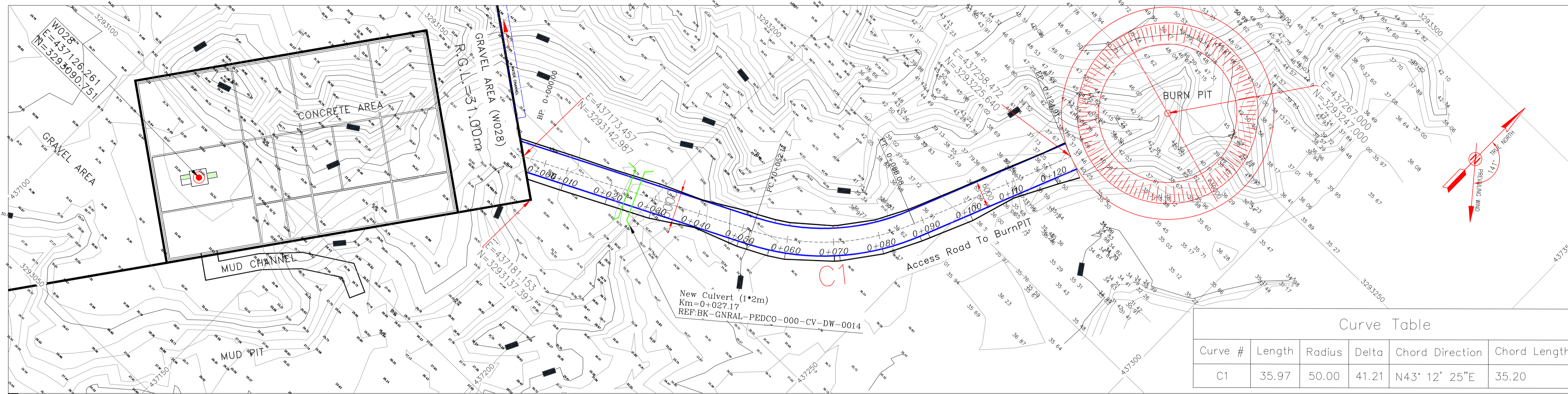
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S TYPICAL CUT&FILL CROSS SEC.(BURN PIT ROAD)& VOLUME TABEL

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 |
|----------|------|------------------------------|-----------|------|--------------|----------|------|-------|------------|-------|----------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 36 of 42 | D06 | 053-073-9184 | F | 4 | S | 707548 | 36 | D06 |

امثل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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| Curve # | Length | Radius | Delta | Chord Direction | Chord Length |
|---------|--------|--------|-------|-----------------|--------------|
| C1 | 35.97 | 50.00 | 41.21 | N43° 12' 25"E | 35.20 |

BURN PIT ROAD PLAN
H: 1/500
V: 1/50

- NOTES
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP SOIL SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION

LEGEND

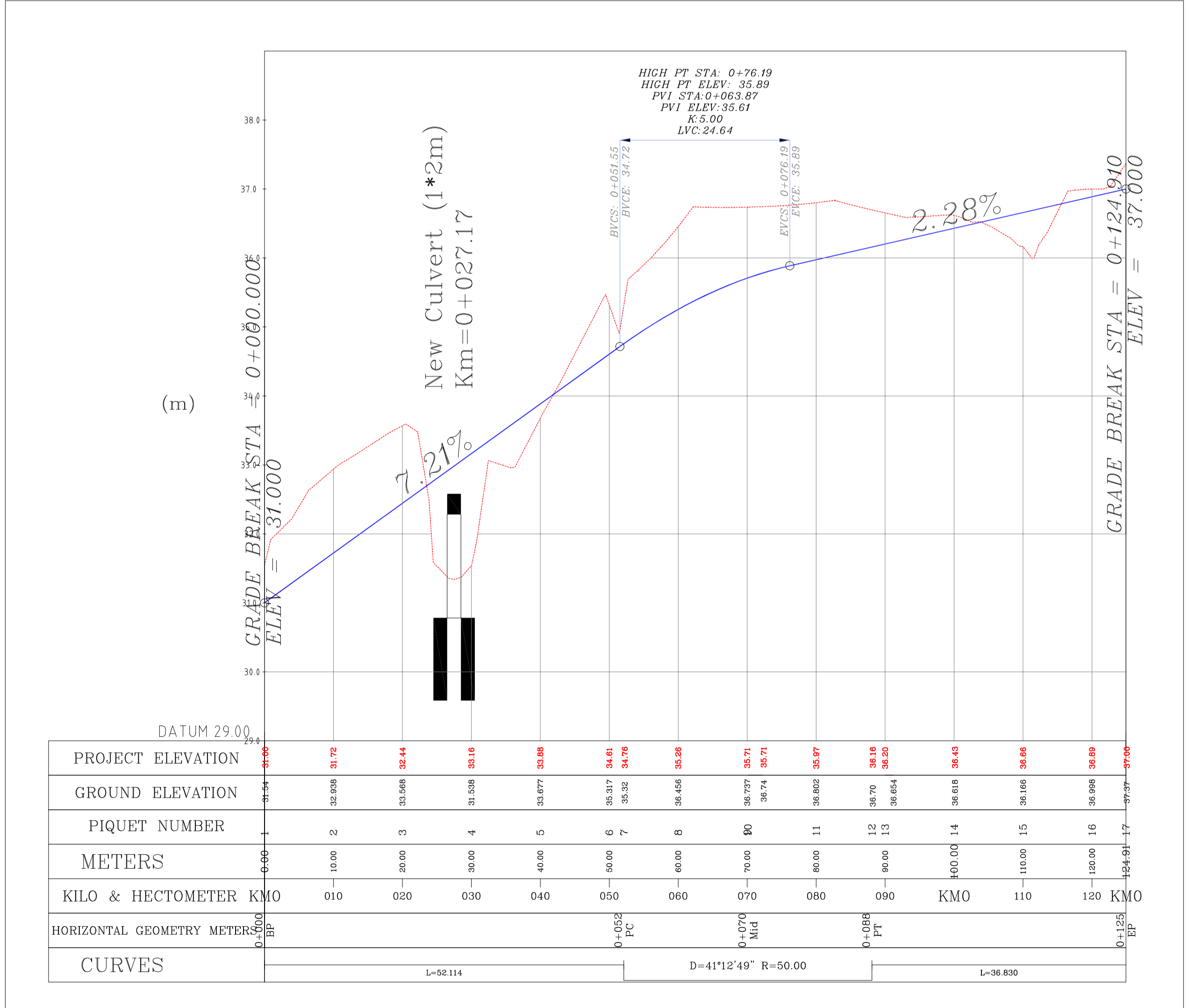
| | | | |
|--|---------------|--|--------------|
| | WELL LOCATION | | CANAL |
| | WELL | | RIVER |
| | SITE | | WATER COURSE |
| | CAMP SITE | | CONTOURS |
| | ASPHALT ROAD | | SPOT HEIGHT |
| | GRAVEL ROAD | | BENCH MARK |
| | PROPOSED ROAD | | BRIDGE |
| | DAYLIGHT | | CULVERT |

| REFERENCE DRAWING | DRG. No. |
|---|------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRL-PEDCO-000-CV-DW-0002 |
| Specification For Road & Paving | BK-GNRL-PEDCO-000-CV-SP-0002 |

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

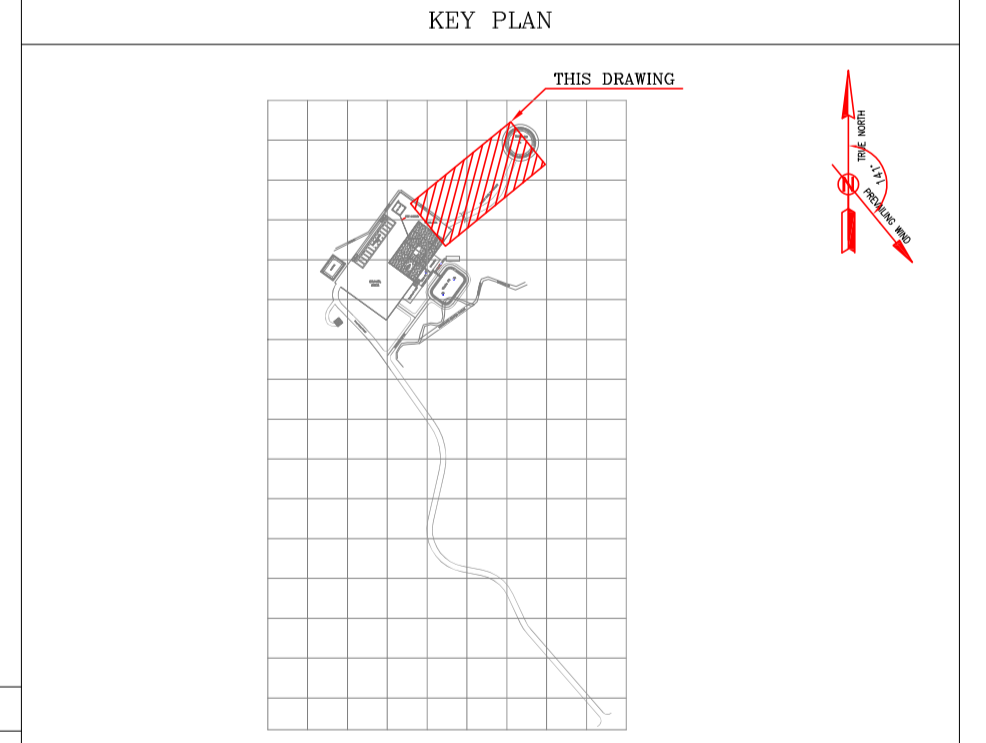
| Station | Northing | Easting |
|----------|------------|-----------|
| 0+000.00 | 3293142.99 | 437173.46 |
| 0+010.00 | 3293147.40 | 437182.43 |
| 0+020.00 | 3293151.81 | 437191.40 |
| 0+030.00 | 3293156.23 | 437200.38 |
| 0+040.00 | 3293160.64 | 437209.35 |
| 0+050.00 | 3293165.05 | 437218.32 |
| 0+060.00 | 3293170.01 | 437227.00 |
| 0+070.00 | 3293176.55 | 437234.54 |
| 0+080.00 | 3293184.46 | 437240.63 |
| 0+090.00 | 3293193.41 | 437245.06 |
| 0+100.00 | 3293202.64 | 437248.90 |
| 0+110.00 | 3293211.87 | 437252.74 |
| 0+120.00 | 3293221.11 | 437256.58 |
| 0+124.91 | 3293225.64 | 437258.47 |



| PROJECT ELEVATION | GROUND ELEVATION | PIQUET NUMBER | METERS | KILO & HECTOMETER KMO | HORIZONTAL GEOMETRY METER | CURVES |
|-------------------|------------------|---------------|--------|-----------------------|---------------------------|---------------------|
| 35.80 | 32.898 | 2 | 10.00 | 010 | 0+000.000 | L=92.114 |
| 35.44 | 33.569 | 3 | 20.00 | 020 | 0+000.000 | D=41°12'49" R=50.00 |
| 35.16 | 33.259 | 4 | 30.00 | 030 | 0+000.000 | L=36.830 |
| 35.08 | 33.877 | 5 | 40.00 | 040 | 0+000.000 | |
| 34.61 | 35.317 | 6 | 50.00 | 050 | 0+000.000 | |
| 34.79 | 35.332 | 7 | 60.00 | 060 | 0+000.000 | |
| 35.29 | 36.465 | 8 | 70.00 | 070 | 0+000.000 | |
| 35.71 | 36.737 | 9 | 80.00 | 080 | 0+000.000 | |
| 35.97 | 36.74 | 10 | 90.00 | 090 | 0+000.000 | |
| 36.18 | 36.802 | 11 | 100.00 | 100 | 0+000.000 | |
| 36.35 | 36.70 | 12 | 110.00 | 110 | 0+000.000 | |
| 36.64 | 36.654 | 13 | 120.00 | 120 | 0+000.000 | |
| 36.43 | 36.618 | 14 | 130.00 | 130 | 0+000.000 | |
| 36.66 | 36.166 | 15 | 140.00 | 140 | 0+000.000 | |
| 36.89 | 36.094 | 16 | 150.00 | 150 | 0+000.000 | |
| 37.00 | 36.000 | 17 | 160.00 | 160 | 0+000.000 | |

BURN PIT ROAD PROFILE
H: 1/500
V: 1/50

| NAME | Easting(m) | Northing(m) | Elevation(m) |
|------|------------|-------------|--------------|
| BM12 | 437294.141 | 3292567.901 | 35.395 |
| BM14 | 437204.521 | 3292998.852 | 38.676 |
| BM16 | 436964.749 | 3293160.118 | 37.566 |



| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IFC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S BURN PIT ROAD PLAN AND PROFILE SECTION

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|----------|------|------------------------------|-----------|------|
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 37 of 42 | D06 |

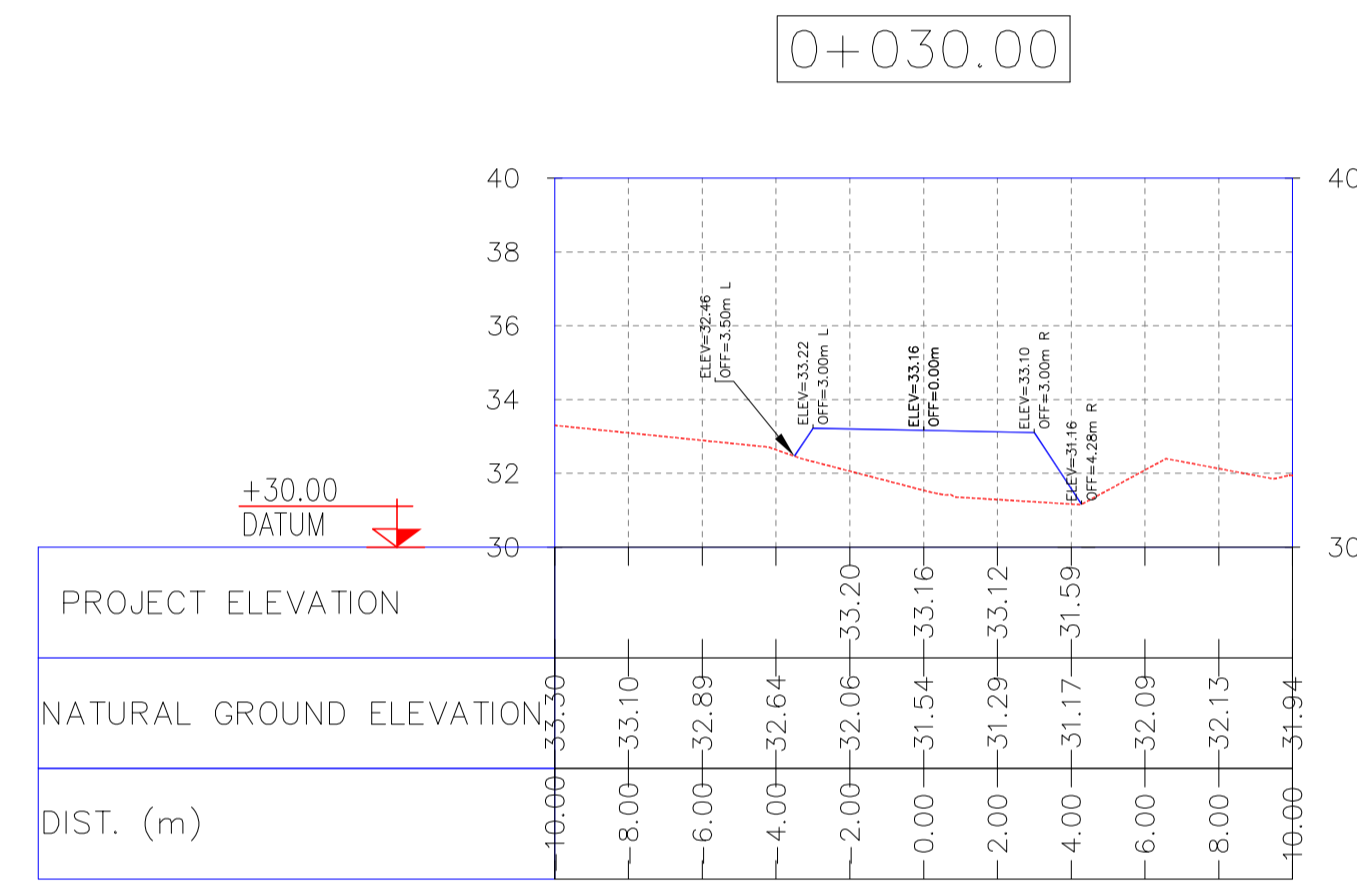
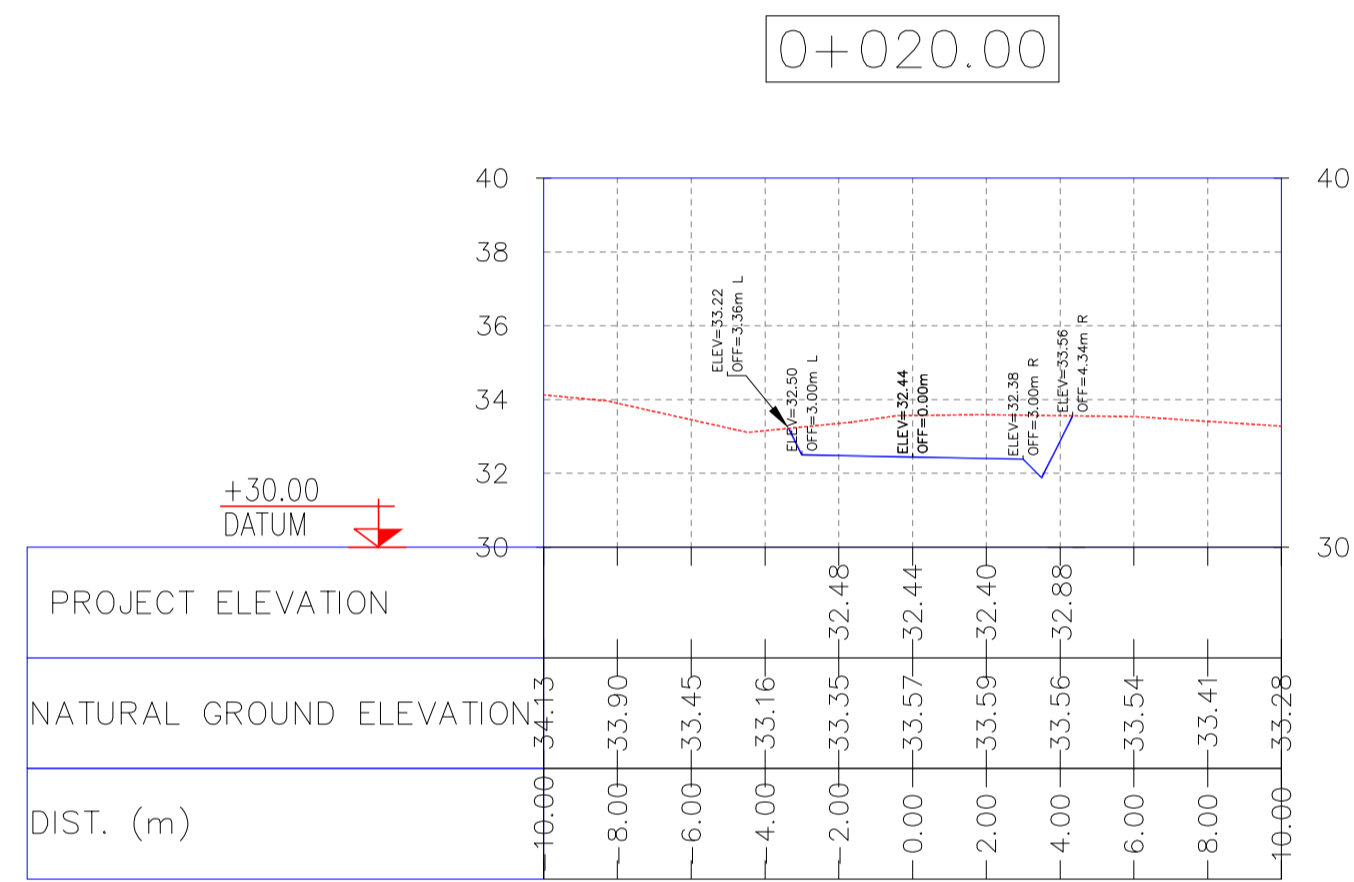
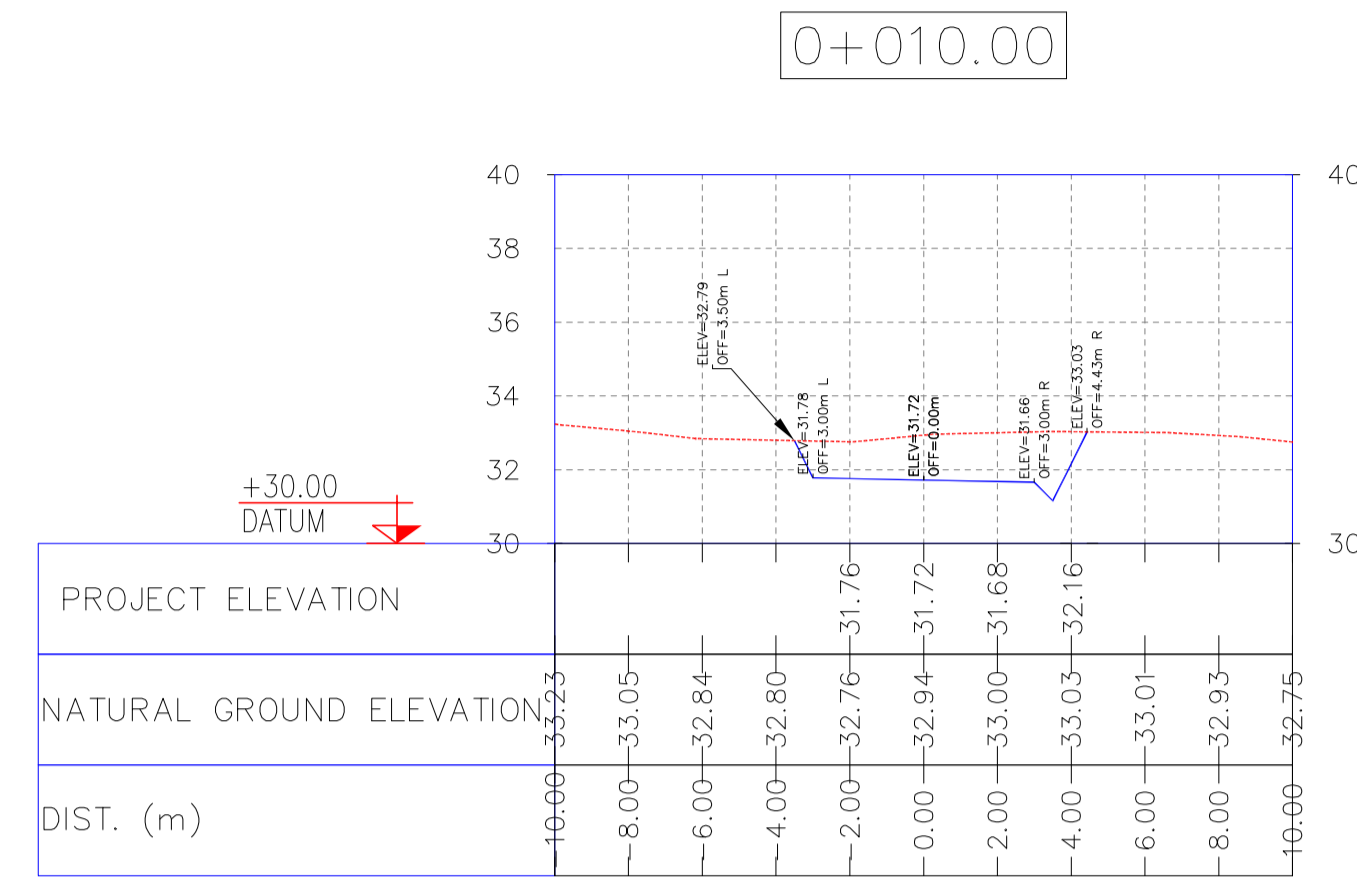
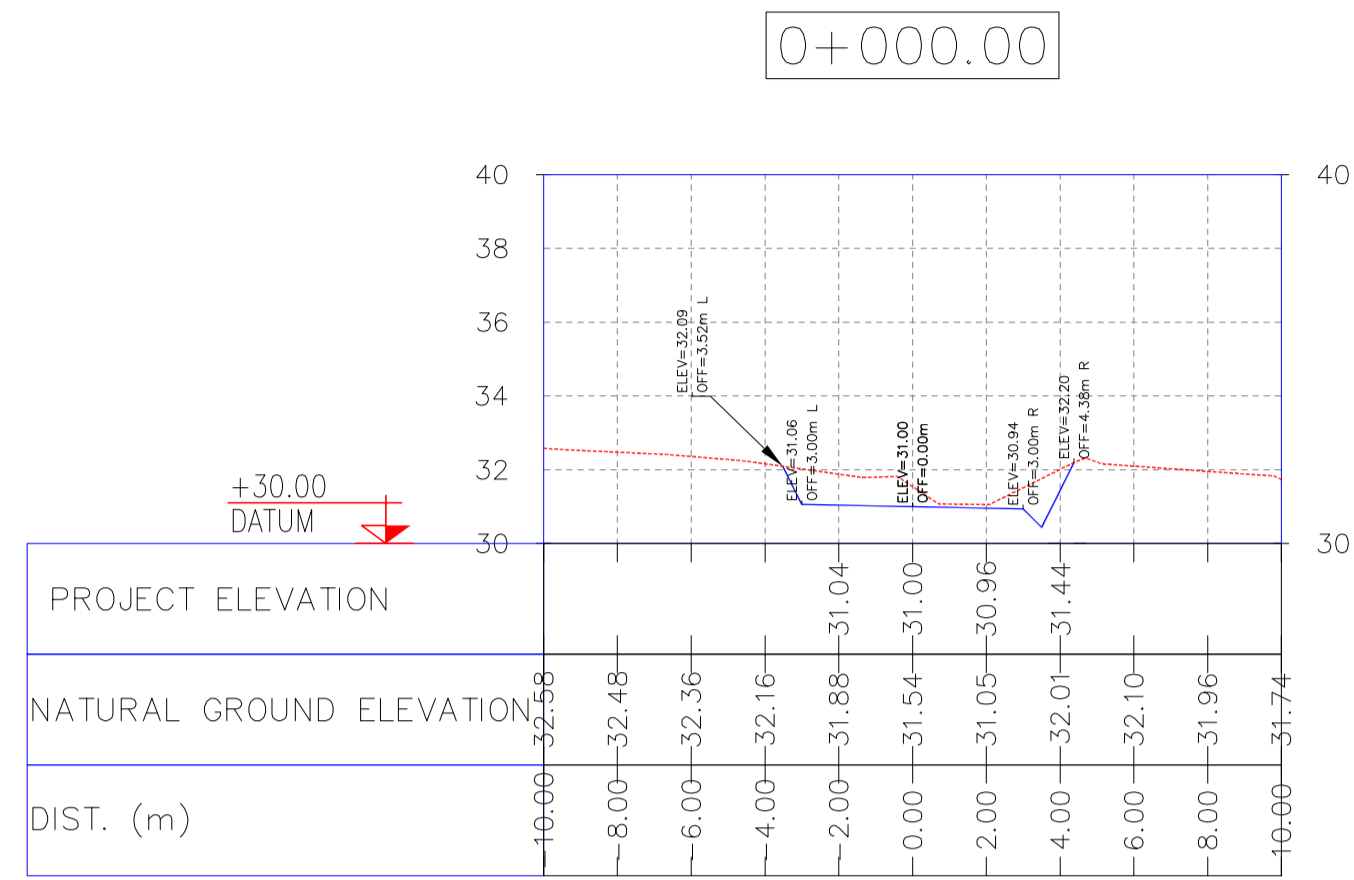
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 37 | D06 |



NOTES

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- 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 GEOIDETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout - W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans - W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY
 DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S BURN PIT ROAD TRANSVERSAL SECTIONS KM 0 ~30M
 SCALE: 1/200
 SHEET NO.: 38 of 42
 REV.: D06

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

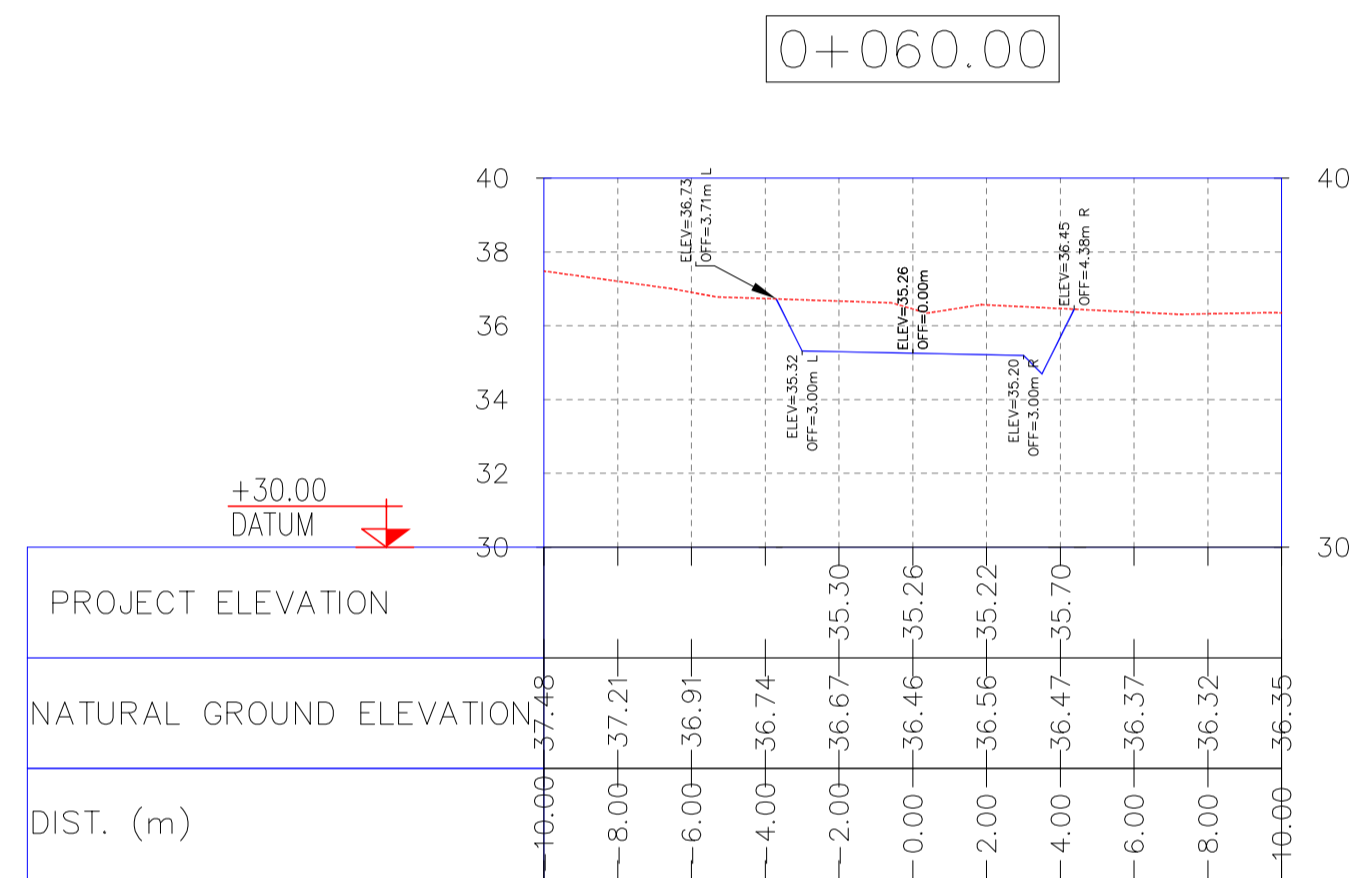
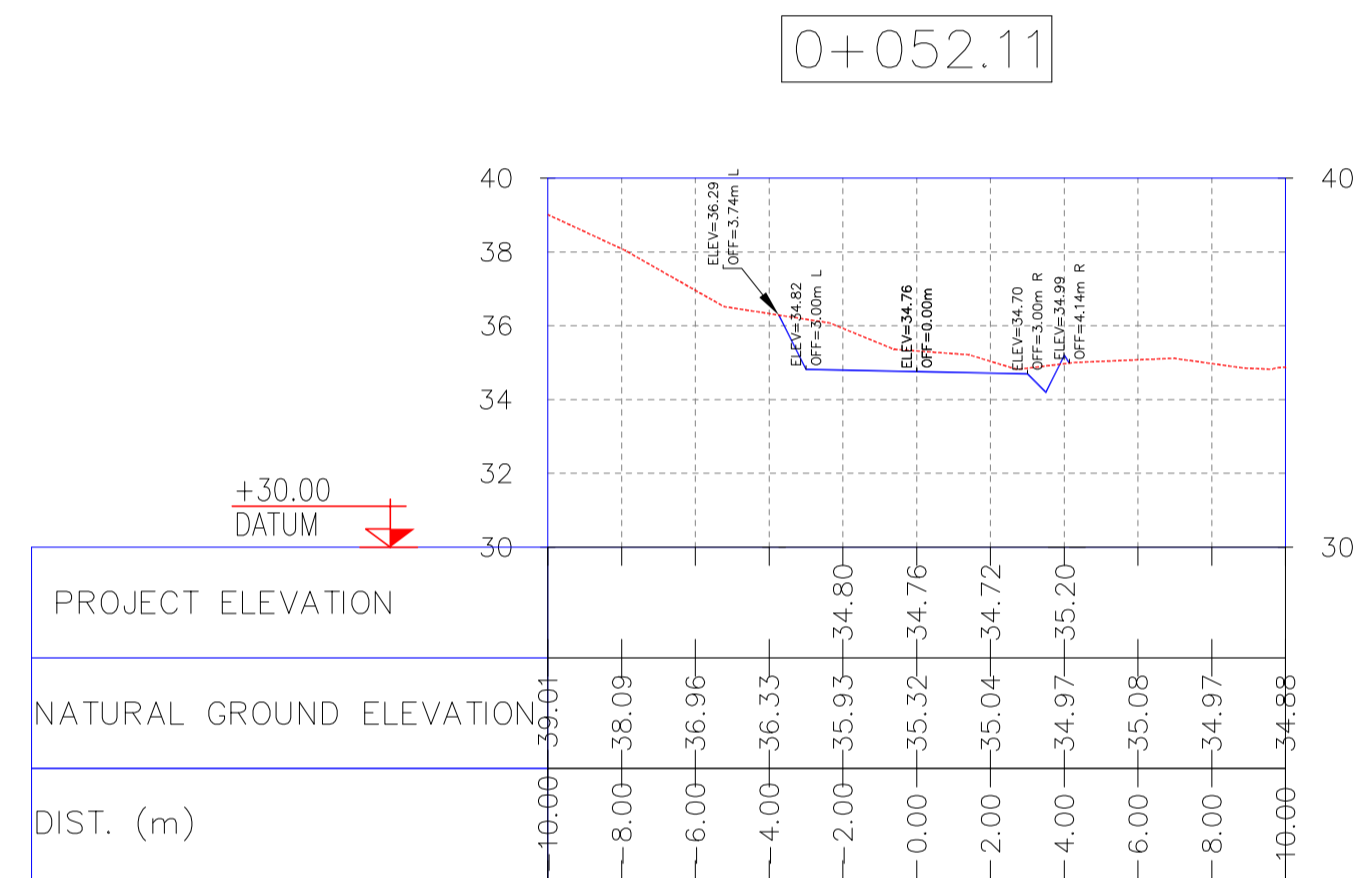
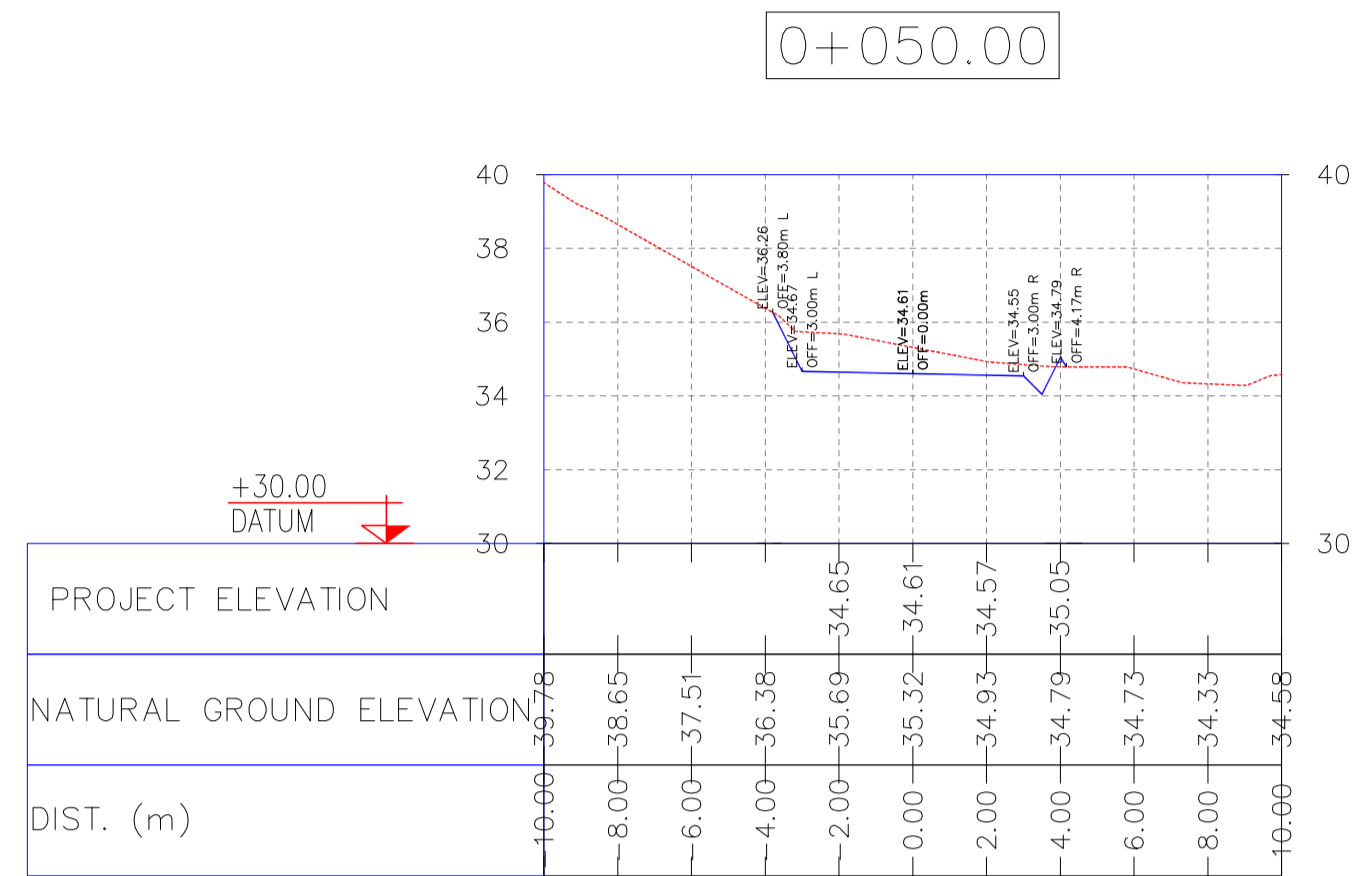
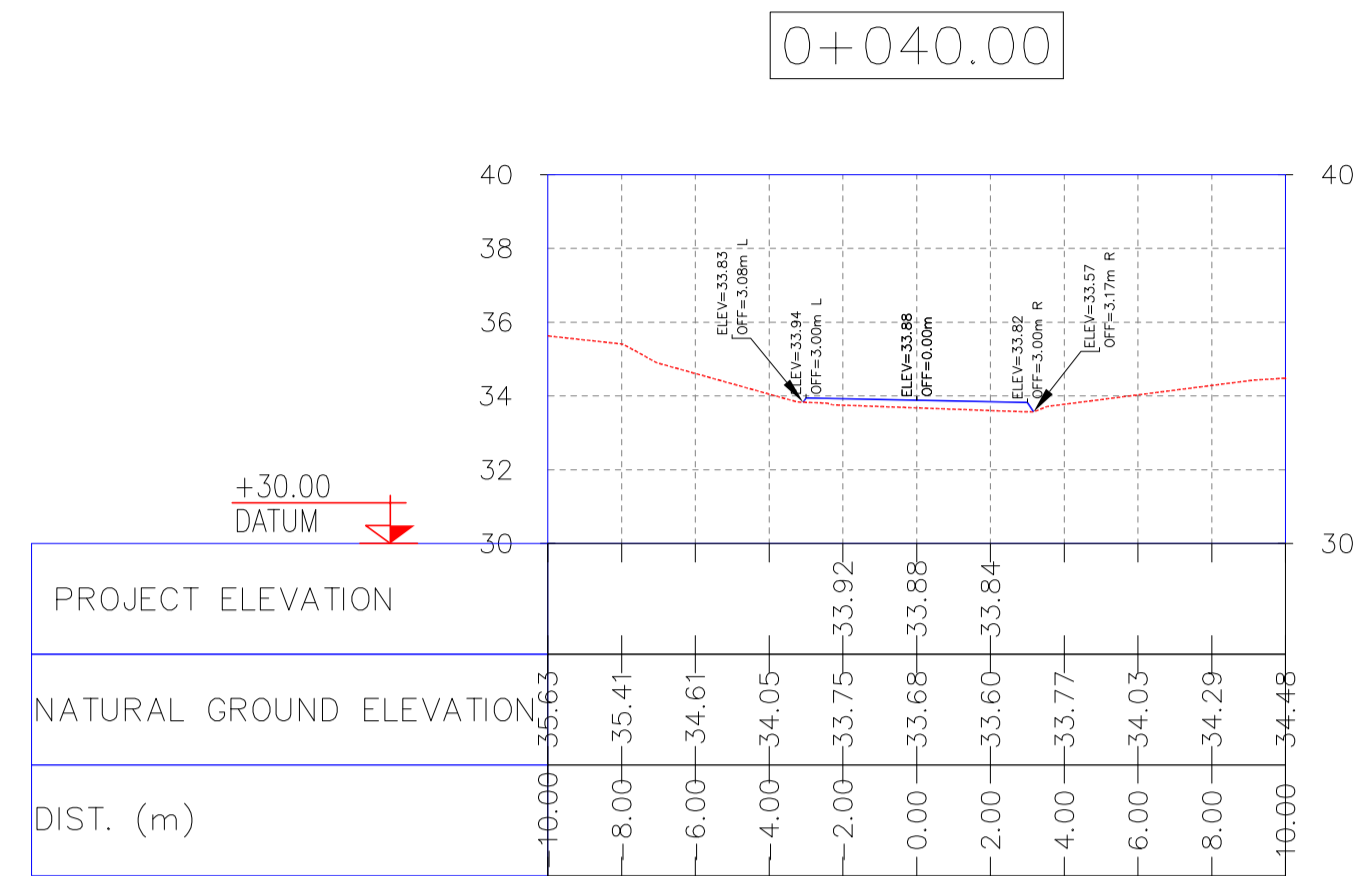
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 38 | D06 |



NOTES

- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
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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: MSL

LEGEND

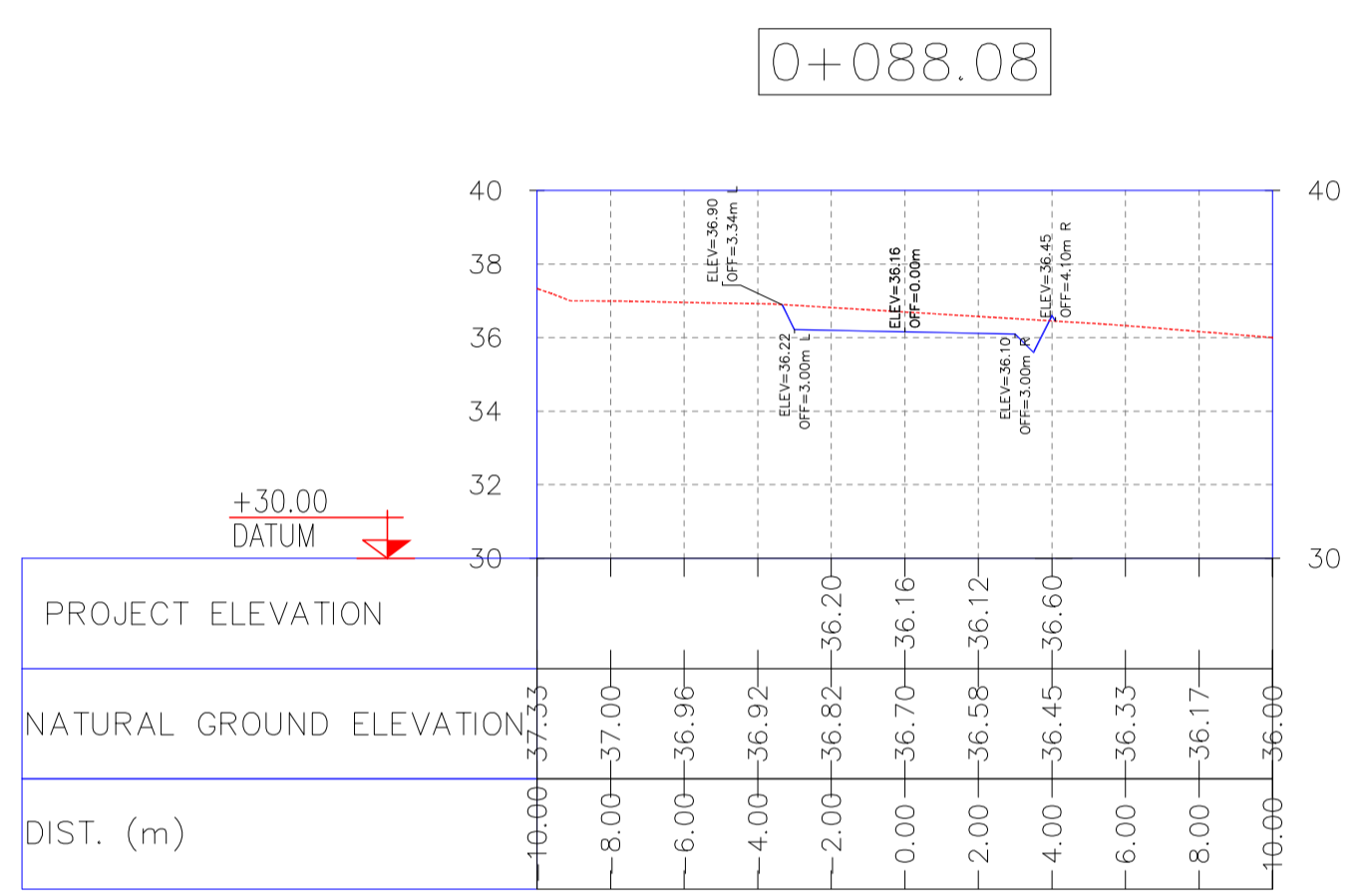
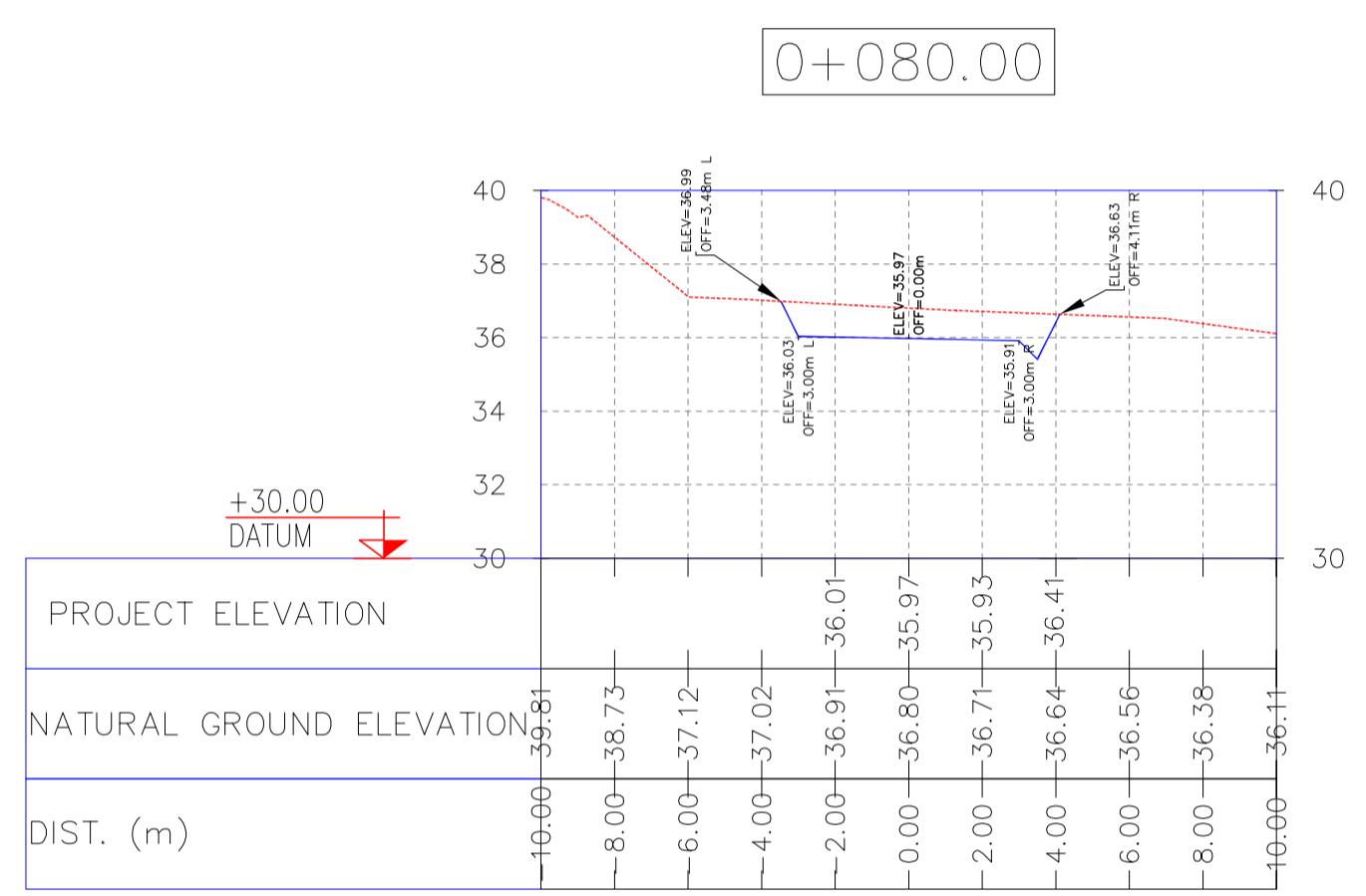
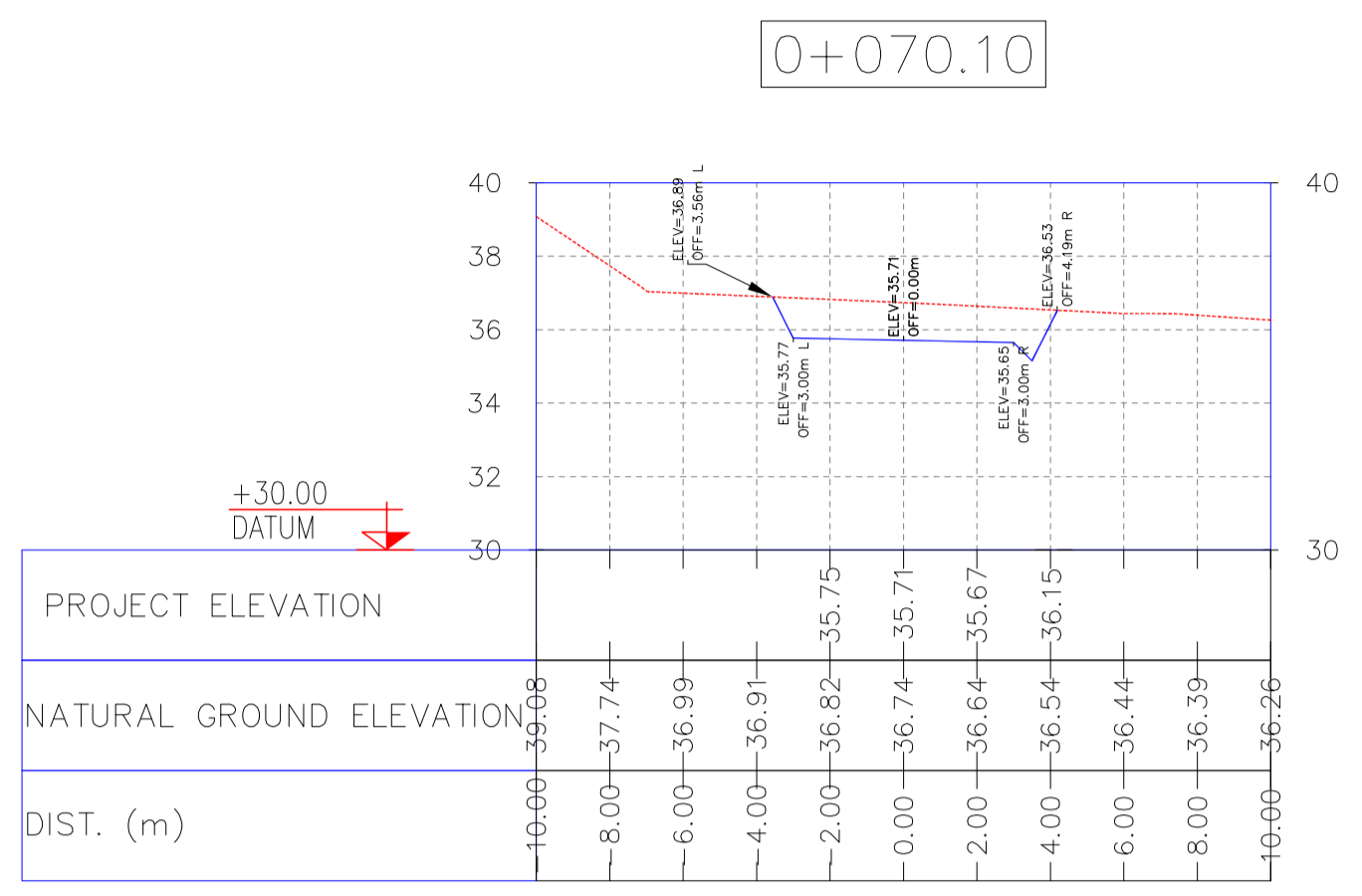
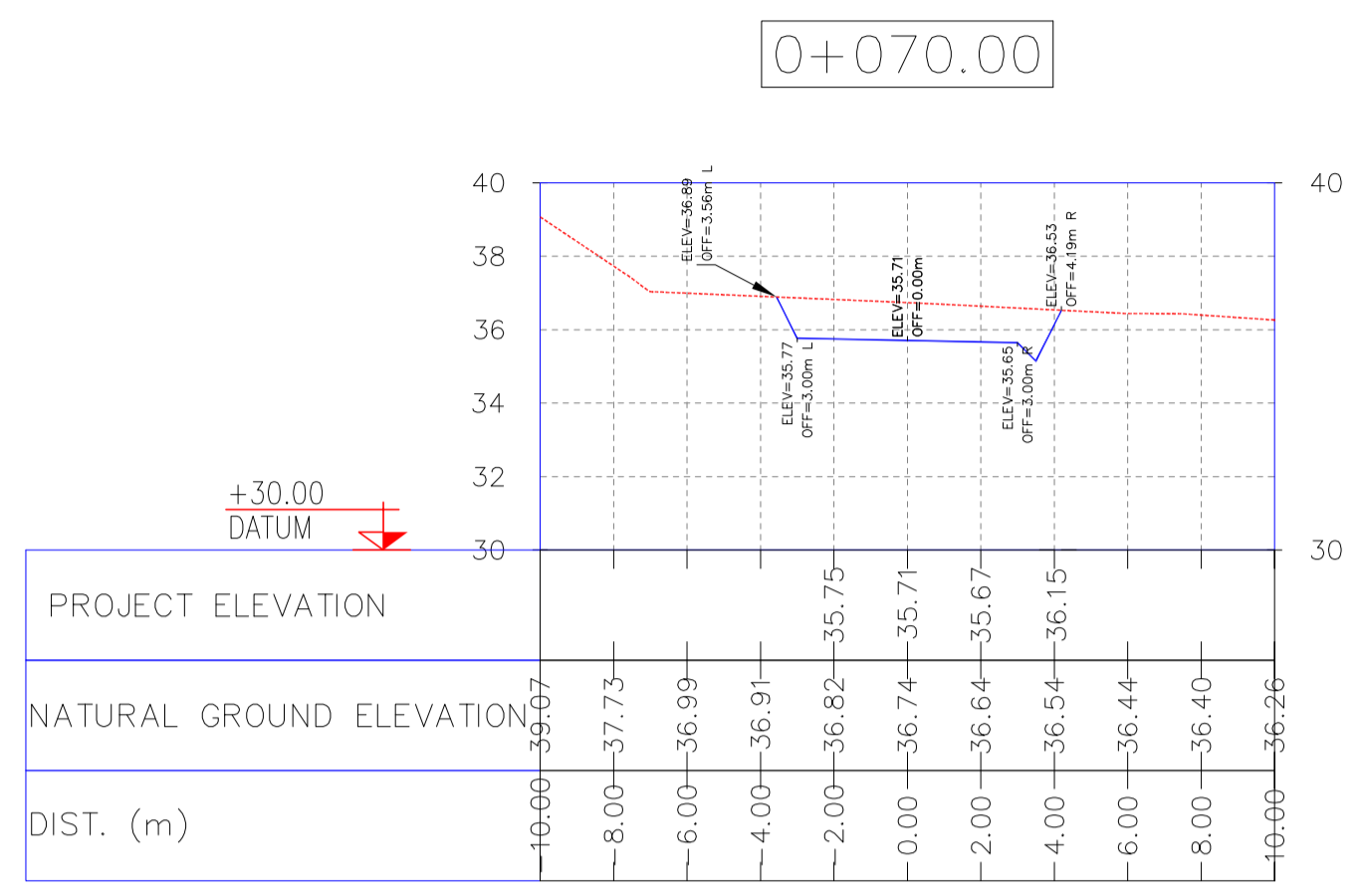
| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout - W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans - W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|-------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IFC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJKAR | *** |

| | | | | | | |
|---|------|------------------------------|-----------------------------------|------|--------------|----------|
| PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES | | | | | | |
| PROJECT NO.: 971020 | | | | | | |
| EPC CONTRACTOR: | | | EPD/EPC CONTRACTOR(GC): | | | |
| HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES | | | PETROIRAN DEVELOPMENT COMPANY | | | |
| DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S BURN PIT ROAD TRANSVERSAL SECTIONS KM 40~60M | | | | | | |
| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. | BUDGET REF. | LOCATION |
| H=1/200 V=1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 39 of 42 | D06 | 053-073-9184 | F |

| | | | | | | |
|---|----------|------------|------------|--------------|-------|----------|
| اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS | | | | | | |
| 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 | S | 707548 | 39 | D06 |



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEOIDETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES
 PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S
 BURN PIT ROAD TRANSVERSAL SECTIONS KM 70~88.08M

SCALE: 1/200
 V=1/200

| SCALE | SIZE | DRAWING NO. | SHEET NO. | REV. |
|-------|------|------------------------------|-----------|------|
| 1/200 | A1 | BK-W028-PEDCO-110-CV-PY-0002 | 40 of 42 | D06 |

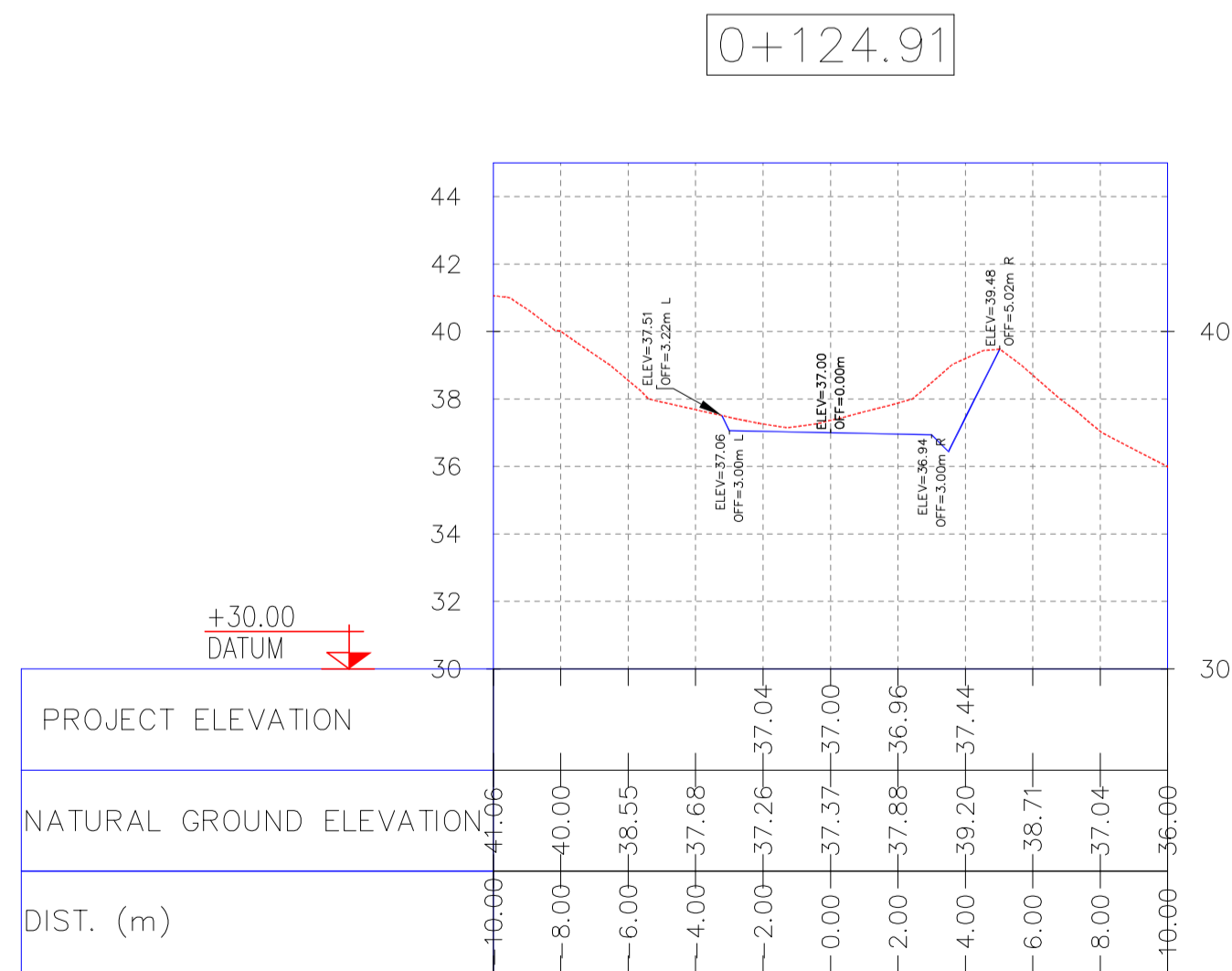
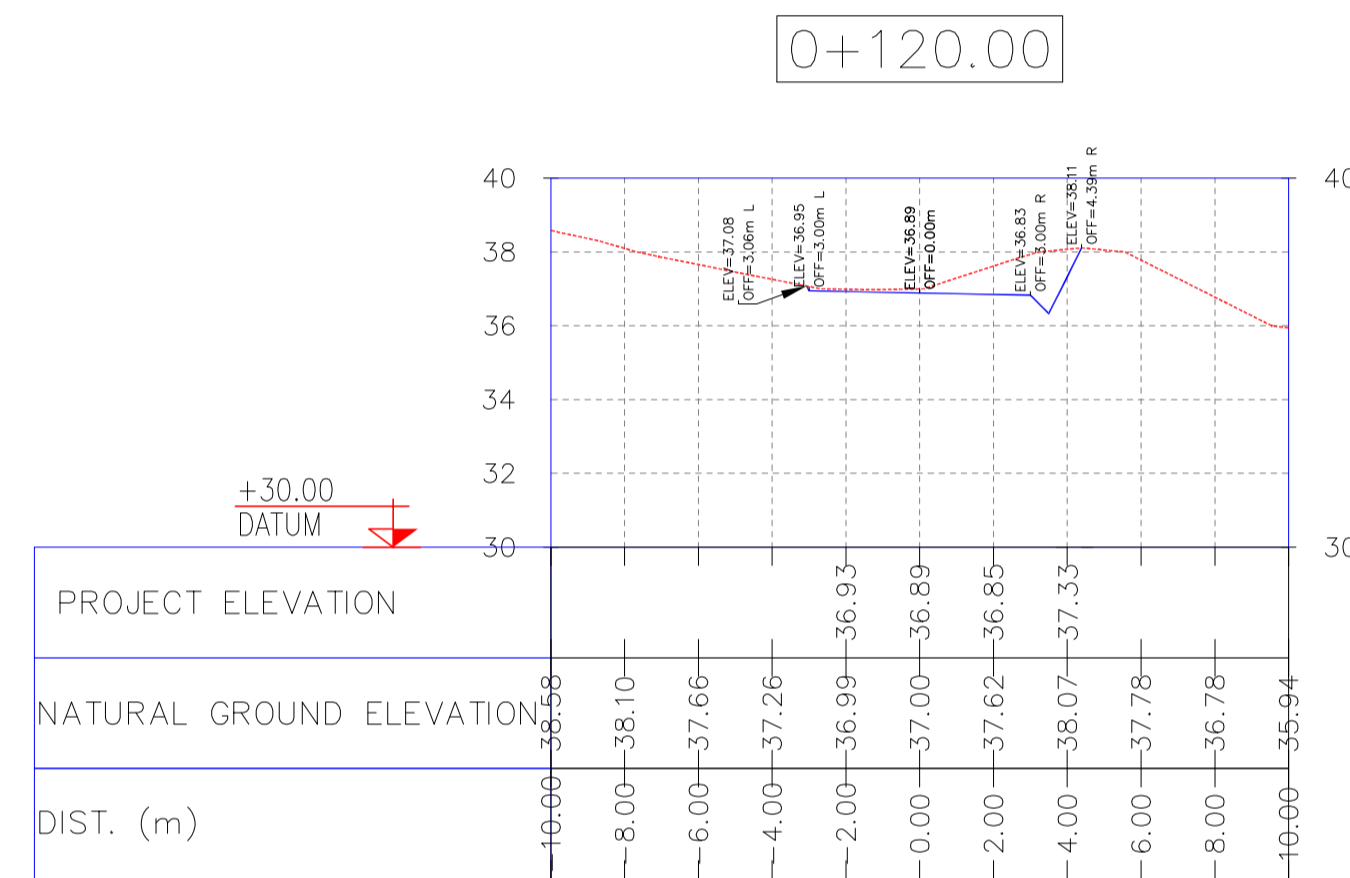
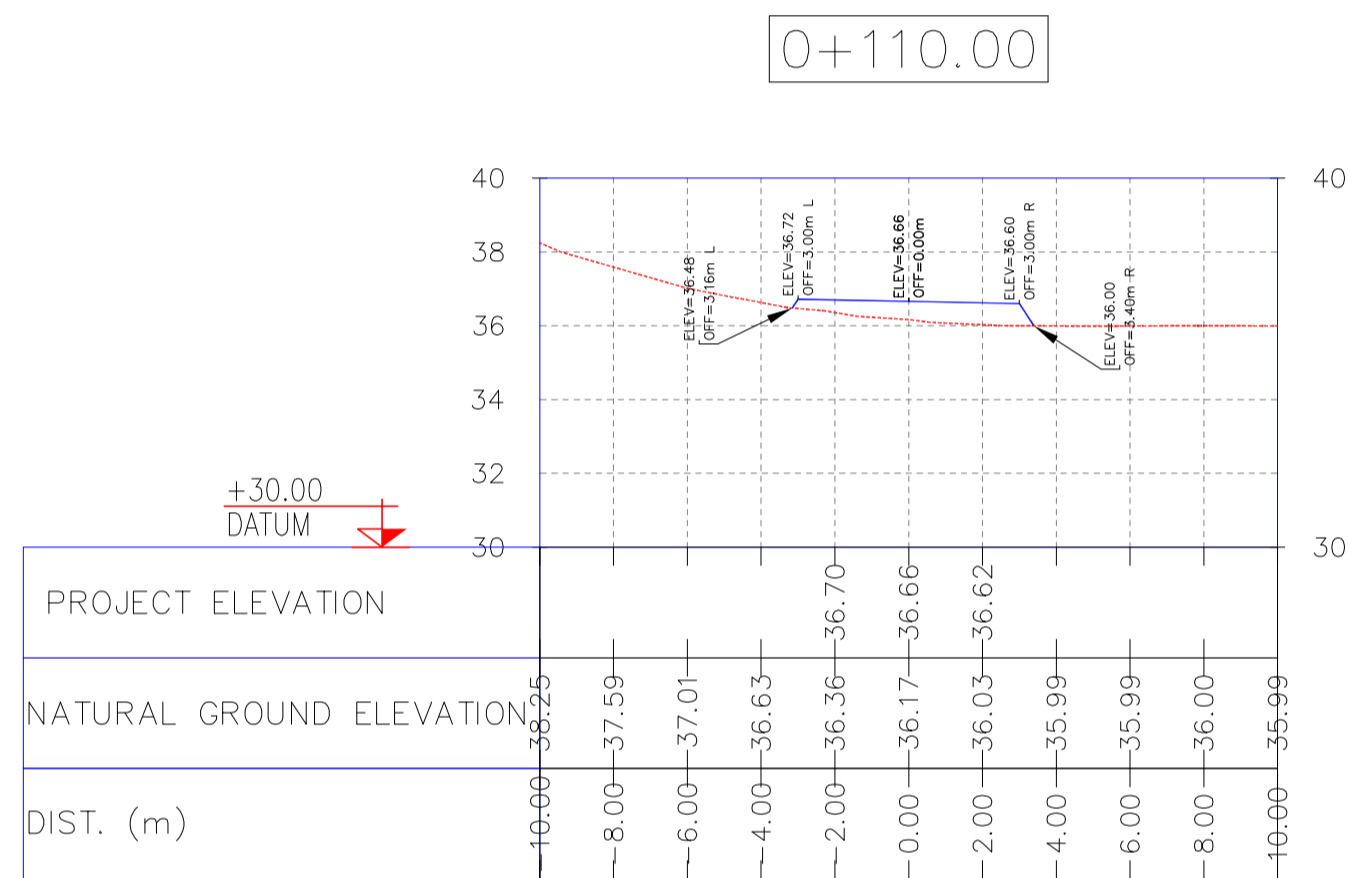
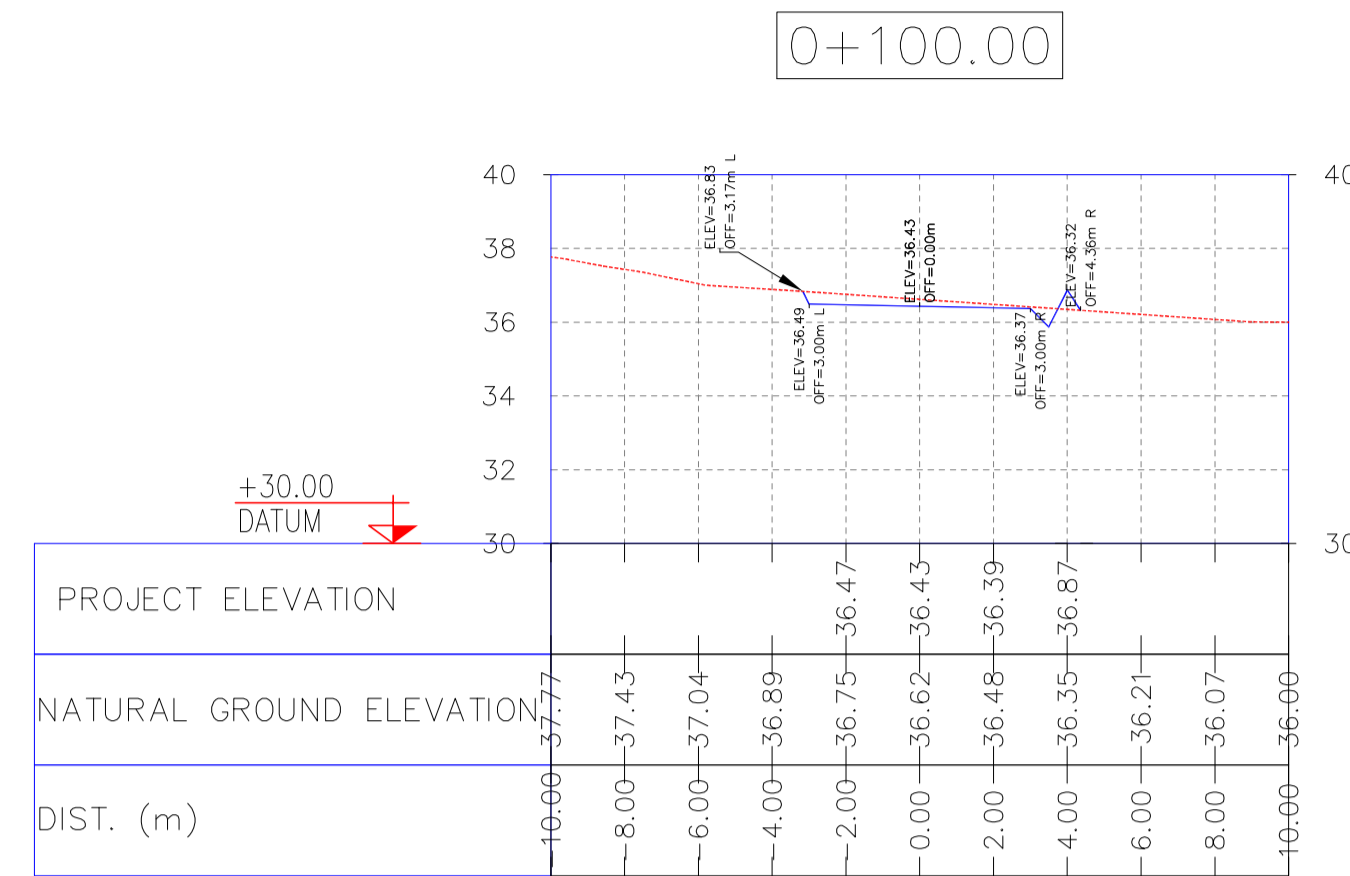
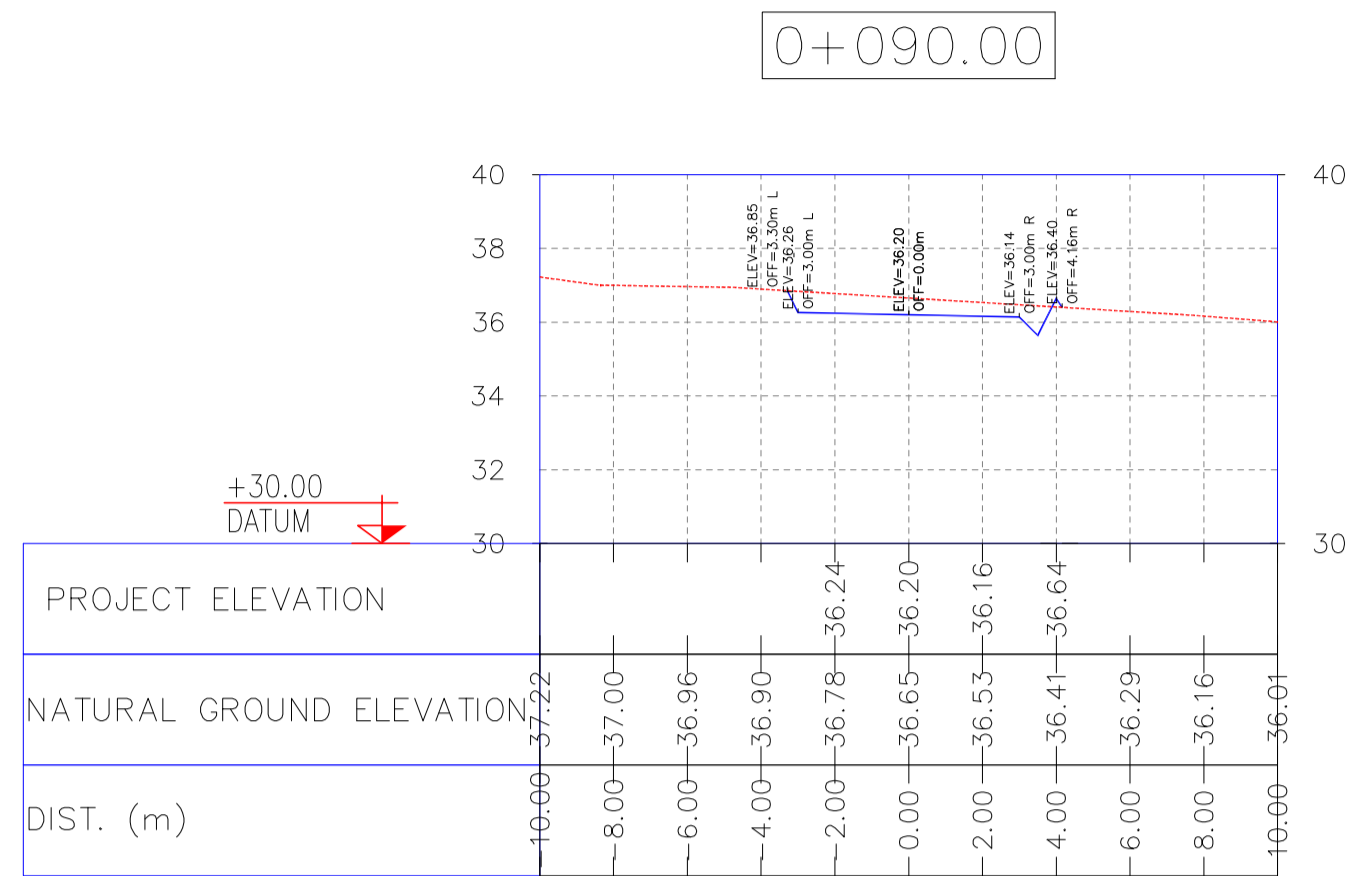
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| DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|------|-------|------------|------------|--------------|
| | | | | |

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 40 | D06 |



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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. |
|------|----------|---------|-------------|-------------|--------------|------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** |
| D00 | OCT.2021 | IPC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S BURN PIT ROAD TRANSVERSAL SECTIONS KM 90~124.91M

SCALE: 1/200

SIZE: A1

DRAWING NO.: BK-W028-PEDCO-110-CV-PY-0002

SHEET NO.: 41 of 42

REV.: D06

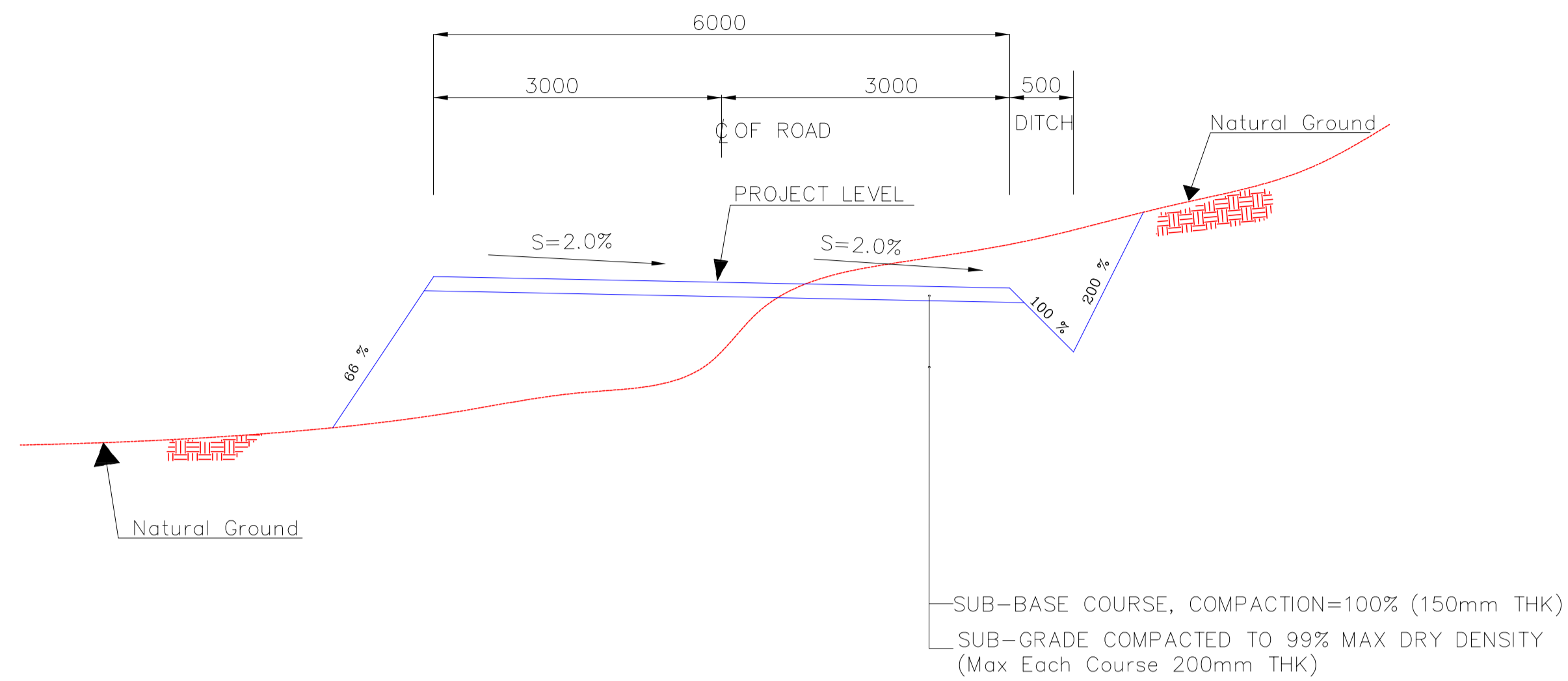
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DATE: | SCALE: | DRAWING BY: | CHECKED BY: | PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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

| BUDGET REF. | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET | REVISION |
|--------------|----------|------|-------|------------|-------|----------|
| 053-073-9184 | F | 4 | S | 707548 | 41 | D06 |



TYPICAL CROSS SECTION (BURN PIT Road)
N.T.S. 1

CUT & FILL VOLUME TABLE(BURN PIT ROAD)

| Total Volume Table | | | | | | |
|--------------------|-----------|----------|-------------|------------|---------------------|--------------------|
| Station | Fill Area | Cut Area | Fill Volume | Cut Volume | Cumulative Fill Vol | Cumulative Cut Vol |
| 0+000.000 | 0.00 | 4.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+010.000 | 0.00 | 9.03 | 0.00 | 67.15 | 0.00 | 67.15 |
| 0+020.000 | 0.00 | 7.90 | 0.00 | 84.67 | 0.00 | 151.83 |
| 0+030.000 | 10.62 | 0.00 | 53.12 | 39.51 | 53.12 | 191.33 |
| 0+040.000 | 1.24 | 0.00 | 59.34 | 0.00 | 112.46 | 191.33 |
| 0+050.000 | 0.04 | 5.04 | 6.41 | 25.20 | 118.87 | 216.53 |
| 0+052.114 | 0.03 | 4.83 | 0.07 | 10.43 | 118.94 | 226.97 |
| 0+060.000 | 0.00 | 9.88 | 0.13 | 57.98 | 119.07 | 284.95 |
| 0+070.000 | 0.00 | 7.54 | 0.00 | 87.68 | 119.07 | 372.63 |
| 0+070.097 | 0.00 | 7.51 | 0.00 | 0.73 | 119.07 | 373.36 |
| 0+080.000 | 0.00 | 6.09 | 0.00 | 67.78 | 119.07 | 441.14 |
| 0+088.080 | 0.01 | 3.85 | 0.05 | 40.40 | 119.12 | 481.54 |
| 0+090.000 | 0.03 | 3.23 | 0.04 | 6.80 | 119.16 | 488.34 |
| 0+100.000 | 0.16 | 1.35 | 0.97 | 22.89 | 120.13 | 511.23 |
| 0+110.000 | 3.03 | 0.00 | 15.97 | 6.76 | 136.10 | 517.99 |
| 0+120.000 | 0.00 | 3.48 | 15.16 | 17.40 | 151.27 | 535.39 |
| 0+124.910 | 0.00 | 6.22 | 0.00 | 23.82 | 151.27 | 559.21 |

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: MSL

LEGEND

| REFERENCE DRAWING | DRG. No. |
|---|-------------------------------|
| General Civil Layout -W028 | BK-W028-PEDCO-110-CV-PY-0001 |
| Rough Grading Plans -W028 | BK-W028-PEDCO-110-CV-DW-0001 |
| Standard Drawing For Culvert & Details | BK-GNRAL-PEDCO-000-CV-DW-0014 |
| Specification For Earth Work | BK-GNRAL-PEDCO-000-CV-SP-0004 |
| Standard Drawing For Slope Protection Details | BK-GNRAL-PEDCO-000-CV-DW-0002 |

KEY PLAN

| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. | DESCRIPTION | BY | DATE | BY | DATE | |
|---|----------|------------------------------|-------------|--|--------------|--------------|--|---------|-------|------------|-------|----------|
| D06 | AUG.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** | | | | | | |
| D05 | JUL.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** | | | | | | |
| D04 | JUN.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** | | | | | | |
| D03 | MAY.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** | | | | | | |
| D02 | MAR.2022 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** | | | | | | |
| D01 | NOV.2021 | IFA | R. BERLOUEI | M.FAKHARIAN | M.MEHRSHAD | *** | | | | | | |
| D00 | OCT.2021 | IFC | R. BERLOUEI | M.FAKHARIAN | SH.GHALJAKAR | *** | | | | | | |
| REV. | DATE | P.O.I.S | PREP. | CHK. | APP. | AUT. | DESCRIPTION | CHECKED | REV. | APPR. | | |
| PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES | | | | | | | <p>THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS</p> | | | | | |
| PROJECT NO.: 971020 | | | | | | | | | | | | |
| EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES | | | | EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY | | | BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W028 WELLHEAD FACILITIES | | | | | |
| DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-W028S TYPICAL CUT&FILL CROSS SEC.(BURN PIT ROAD)& VOLUME TABEL | | | | | | | 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 |
| AS SHOWN | A1 | BK-W028-PEDCO-110-CV-PY-0002 | | 42 of 42 | D06 | 053-073-9184 | F | 4 | S | 707548 | 42 | D06 |