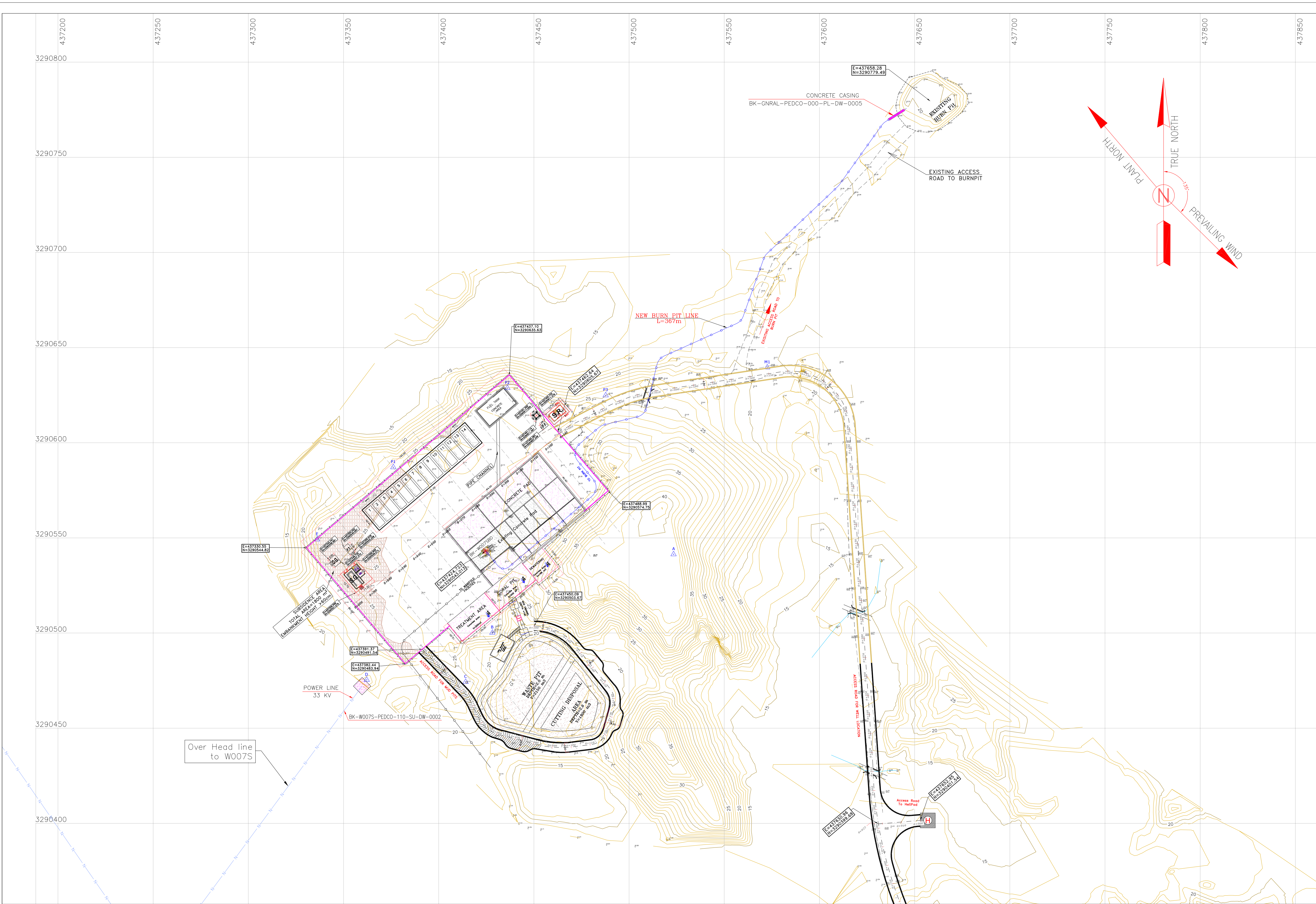
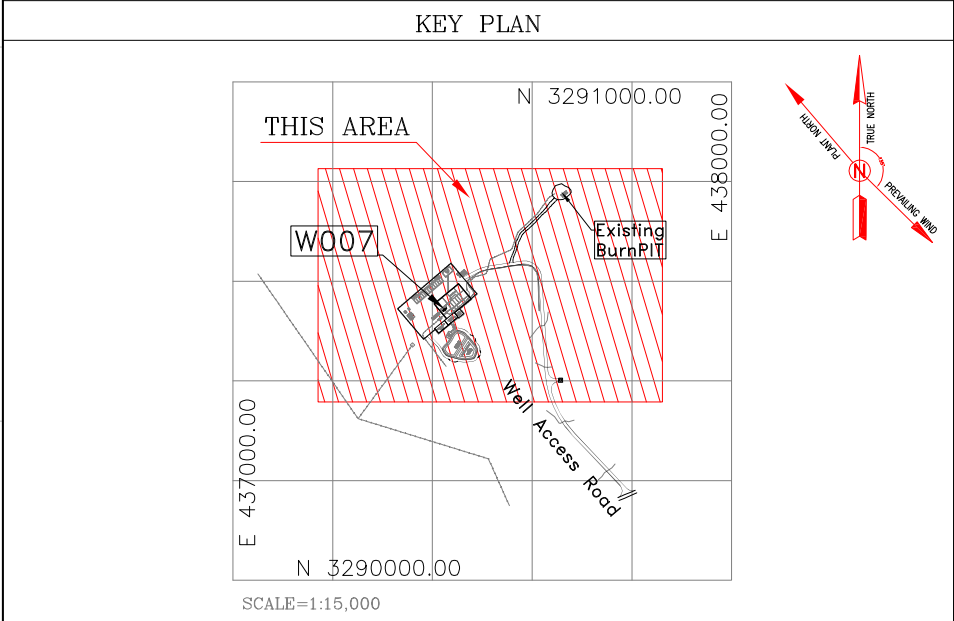




- NOTES
- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
  - 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
  - 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:  
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39  
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)  
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)  
VERTICAL DATUM: MEAN SEA LEVEL
  - 4- THE 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.
  - 5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
  - 6- RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
  - 7- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSRL-PEDCO-110-PI-DW-0001
  - 8- THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009
  - 9- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.
  - 10- THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009

| LEGEND |                      |  |                     |
|--------|----------------------|--|---------------------|
|        | Existing GRAVEL ROAD |  | CHANNEL             |
|        | New GRAVEL ROAD      |  | RIVER               |
|        | New ASPHALT ROAD     |  | WATER COURSE        |
|        | STAIR                |  | CONTOURS            |
|        | TRENCH               |  | SPOT HEIGHT         |
|        | EMBANKMENT           |  | BENCH MARK          |
|        | OIL LINE             |  | CULVERT             |
|        | BURNING PIT LINE     |  | WELL LOCATION       |
|        | NEW BURN PIT LINE    |  | WELL                |
|        | POWER LINE           |  | BURNPIT             |
|        | WATER LINE           |  | SITE (LOCATION)     |
|        | GABION WALL          |  | DRILLING CONEX AREA |
|        | BUILDING             |  | SUBSIDENCE AREA     |
|        | CONCRETE AREA        |  | FILL THICKNESS      |
|        | SEPTIC               |  | CUT THICKNESS       |
|        | MANHOLE              |  | CUT GRADING         |
|        | POLE                 |  | FILL GRADING        |
|        | HELIPAD              |  |                     |
|        | GEOMEMBRANE          |  |                     |

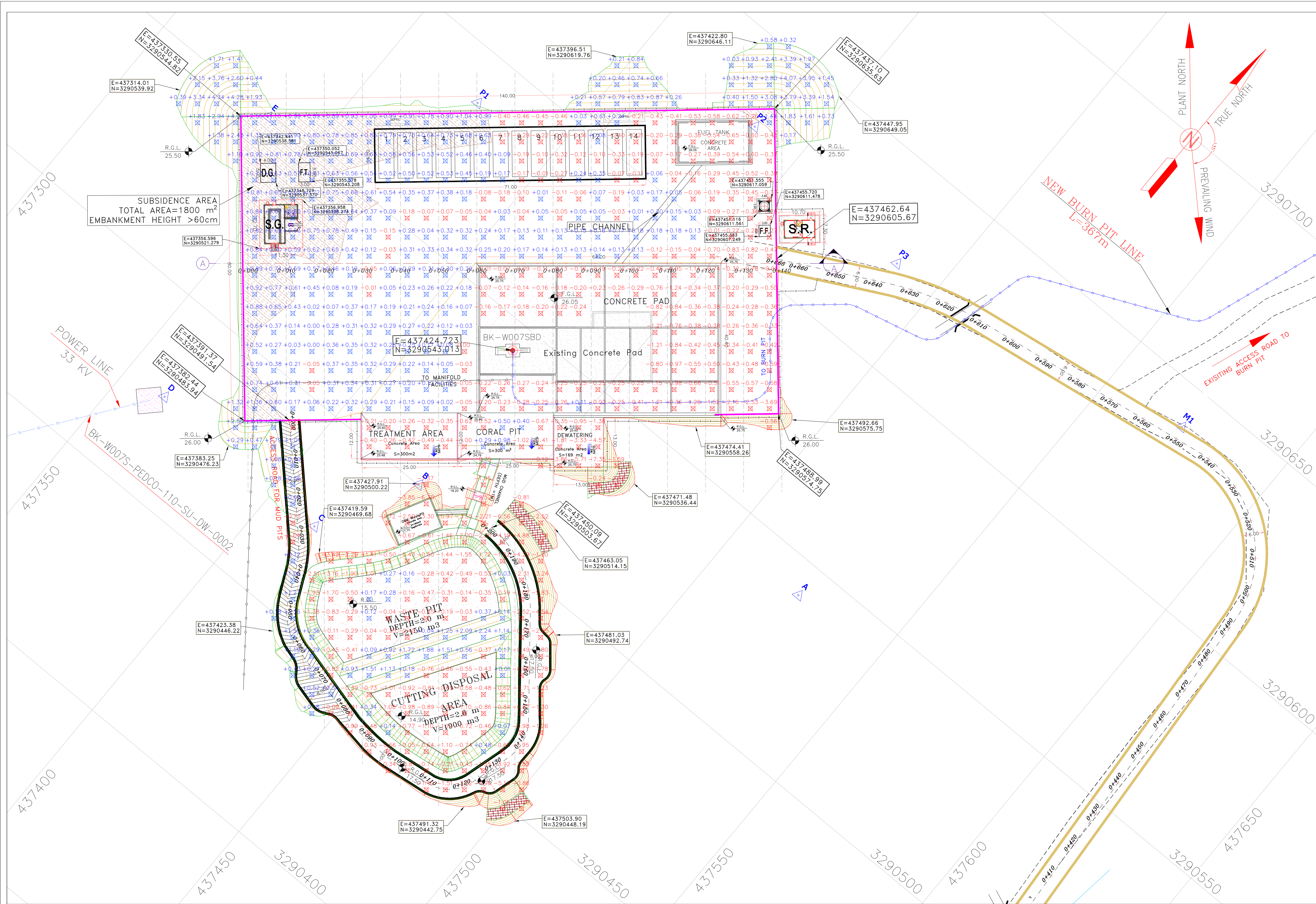
| REFERENCE DRAWING                               |                                 | DRG. No.                      |
|-------------------------------------------------|---------------------------------|-------------------------------|
| GENERAL CIVIL LAYOUT -W007S                     |                                 | BK-W007S-PEDCO-110-CV-PY-0001 |
| CIVIL AND STRUCTURAL DRAWINGS -W007S            |                                 | BK-W007S-PEDCO-110-CV-PY-0002 |
| Plot Plan Drawing - W007S                       |                                 | BK-W007S-PEDCO-110-PI-PY-0002 |
| Flow line Plan & Profile Drawings - W007S       |                                 | BK-W007S-PEDCO-110-SU-DW-0001 |
| Geotechnical Investigation Report - W007S       |                                 | BK-W007S-PEDCO-110-GT-RT-0001 |
| 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  |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES  |                                 | BK-GNRL-PEDCO-000-SP-DW-0002  |
| Standard Drawing For Fence & Gate Details       |                                 | BK-GNRL-PEDCO-000-CV-DW-0009  |
| Standard Drawing For A/G Pipeline Road Crossing |                                 | BK-GNRL-PEDCO-000-PL-DW-0005  |
| ABBREVIATIONS                                   |                                 |                               |
| R.G.L. = ROUGH GRADING LEVEL                    | F.T. = FUEL TANK                |                               |
| REV. = FINISH GRADING LEVEL                     | S.R. = SECURITY ROOM            |                               |
| N.G.L. = NATURAL GROUND LEVEL                   | S.G. = SWITCH GEAR              |                               |
|                                                 | W.T. = WATER TANK               |                               |
|                                                 | D.G. = DIESEL GENERATOR SHELTER |                               |
|                                                 | F.F. = FIRE FIGHTING SHELTER    |                               |



| Bench Mark List Coordinates Table |            |             |           |
|-----------------------------------|------------|-------------|-----------|
| Name                              | Easting    | Northing    | Elevation |
| A                                 | 437523.370 | 3290541.394 | 40.839    |
| B                                 | 437428.204 | 3290500.172 | 26.993    |
| C                                 | 437414.149 | 3290474.294 | 25.341    |
| D                                 | 437362.167 | 3290475.377 | 24.662    |
| E                                 | 437336.157 | 3290549.222 | 24.653    |
| P1                                | 437376.155 | 3290587.122 | 25.522    |
| P2                                | 437436.094 | 3290628.752 | 26.344    |
| P3                                | 437487.708 | 3290624.916 | 25.472    |
| M1                                | 437572.578 | 3290639.566 | 20.046    |

|                                                                                                                                        |          |                               |                                                                                                                                                                                                                 |             |              |
|----------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
|                                                                                                                                        |          |                               |                                                                                                                                                                                                                 |             |              |
| D00                                                                                                                                    | JUL.2023 | IPC                           | R.BERLOUIE                                                                                                                                                                                                      | M.FAKHARIAN | A.M.MOHSSENI |
| REV.                                                                                                                                   | DATE     | P.O.I.S                       | PREP.                                                                                                                                                                                                           | CHK.        | APP.         |
| PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C                                  |          |                               |                                                                                                                                                                                                                 |             |              |
| PROJECT NO.: 971020                                                                                                                    |          |                               |                                                                                                                                                                                                                 |             |              |
| EPC CONTRACTOR:                                                                                                                        |          |                               | EPD/EPC CONTRACTOR (GC):                                                                                                                                                                                        |             |              |
| <br>HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES |          |                               | <br><br>PETROIRAN DEVELOPMENT COMPANY |             |              |
| DRAWING TITLE: Rough Grading Plans -W007S (TOPOGRAPHY MAP)                                                                             |          |                               |                                                                                                                                                                                                                 |             |              |
| SCALE                                                                                                                                  | SIZE     | DRAWING NO.                   |                                                                                                                                                                                                                 | SHEET NO.   | REV.         |
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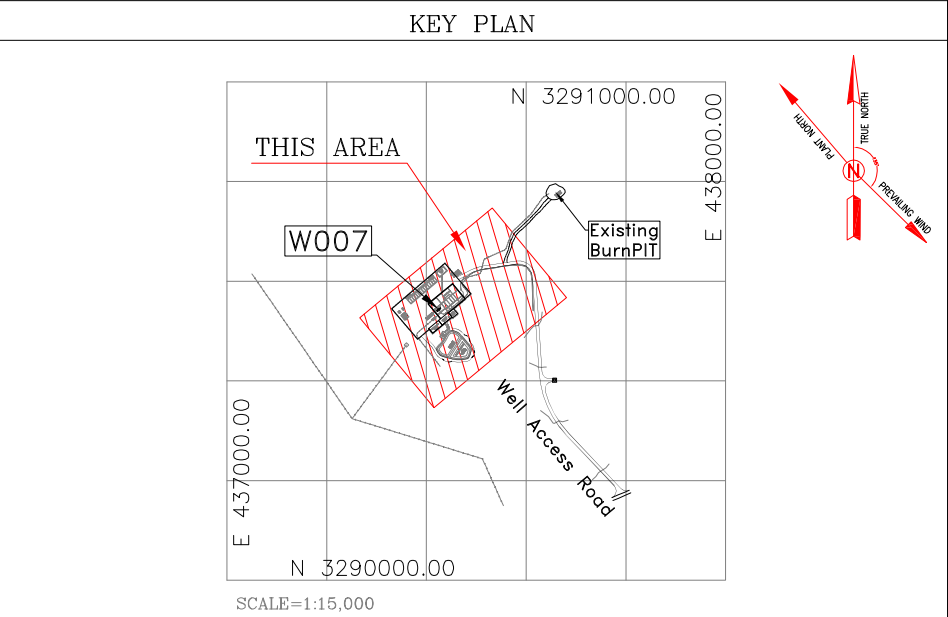
| CHECKED                                                                                                                     |       |            |            |              | REV. APPR. |
|-----------------------------------------------------------------------------------------------------------------------------|-------|------------|------------|--------------|------------|
| THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS |       |            |            |              |            |
| BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C                                     |       |            |            |              |            |
| DATE                                                                                                                        | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |            |
| NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED                                                                           |       |            |            |              |            |
| APPROVED FOR CONSTRUCTION                                                                                                   |       |            | BY:        | DATE:        |            |
| SERIAL NO.                                                                                                                  | SHEET | REVISION   |            |              |            |
| 708049                                                                                                                      | 1     | D00        |            |              |            |



- NOTES
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HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39  
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)  
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)  
VERTICAL DATUM: MEAN SEA LEVEL
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    - "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-SF-0004"
    - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
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| LEGEND |                     |
|--------|---------------------|
|        | CHANNEL             |
|        | RIVER               |
|        | WATER COURSE        |
|        | CONTOURS            |
|        | SPOT HEIGHT         |
|        | BENCH MARK          |
|        | CULVERT             |
|        | WELL LOCATION       |
|        | WELL                |
|        | BURNPIT             |
|        | SITE (LOCATION)     |
|        | DRILLING CONEX AREA |
|        | SUBSIDENCE AREA     |
|        | FILL THICKNESS      |
|        | CUT THICKNESS       |
|        | CUT GRADING         |
|        | FILL GRADING        |
|        |                     |
|        |                     |

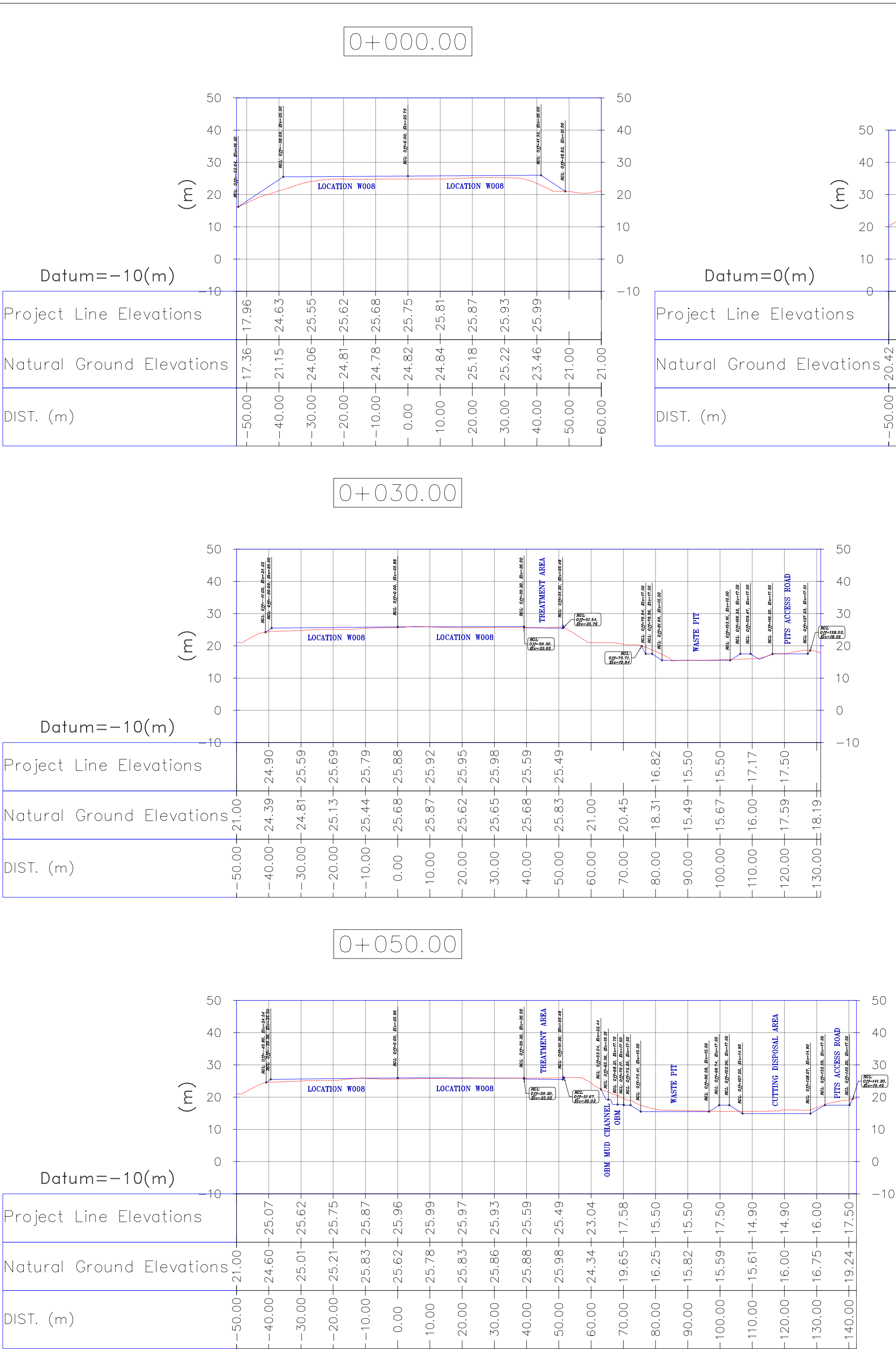
| REFERENCE DRAWING                               |                                 | DRG. No.                      |
|-------------------------------------------------|---------------------------------|-------------------------------|
| GENERAL CIVIL LAYOUT - W007S                    |                                 | BK-W007S-PEDCO-110-CV-PY-0001 |
| CIVIL AND STRUCTURAL DRAWINGS - W007S           |                                 | BK-W007S-PEDCO-110-CV-PY-0002 |
| Plot Plan Drawing - W007S                       |                                 | BK-W007S-PEDCO-110-PI-PY-0002 |
| Flow line Plan & Profile Drawings - W007S       |                                 | BK-W007S-PEDCO-110-SU-DW-0001 |
| Geotechnical Investigation Report - W007S       |                                 | BK-W007S-PEDCO-110-GT-RP-0001 |
| Specification For Earth Work                    |                                 | BK-GNRL-PEDCO-000-CV-SF-0004  |
| Standard Drawing For Slope Protection Details   |                                 | BK-GNRL-PEDCO-000-CV-DW-0002  |
| Specification For Road & Paving                 |                                 | BK-GNRL-PEDCO-000-CV-SF-0002  |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES  |                                 | BK-GNRL-PEDCO-000-SF-DW-0003  |
| Standard Drawing For Fence & Gate Details       |                                 | BK-GNRL-PEDCO-000-CV-DW-0009  |
| Standard Drawing For A/G Pipeline Road Crossing |                                 | BK-GNRL-PEDCO-000-PL-DW-0005  |
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|                                                 | D.G. = DIESEL GENERATOR SHELTER |                               |
|                                                 | F.F. = FIRE FIGHTING SHELTER    |                               |



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| Name                              | Easting    | Northing    | Elevation |
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| B                                 | 437428.204 | 3290500.172 | 26.993    |
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| D                                 | 437362.167 | 3290475.377 | 24.662    |
| E                                 | 437336.157 | 3290549.222 | 24.653    |
| P1                                | 437376.155 | 3290587.122 | 25.522    |
| P2                                | 437436.094 | 3290628.752 | 26.344    |
| P3                                | 437487.708 | 3290624.916 | 25.472    |
| M1                                | 437572.578 | 3290639.566 | 20.046    |

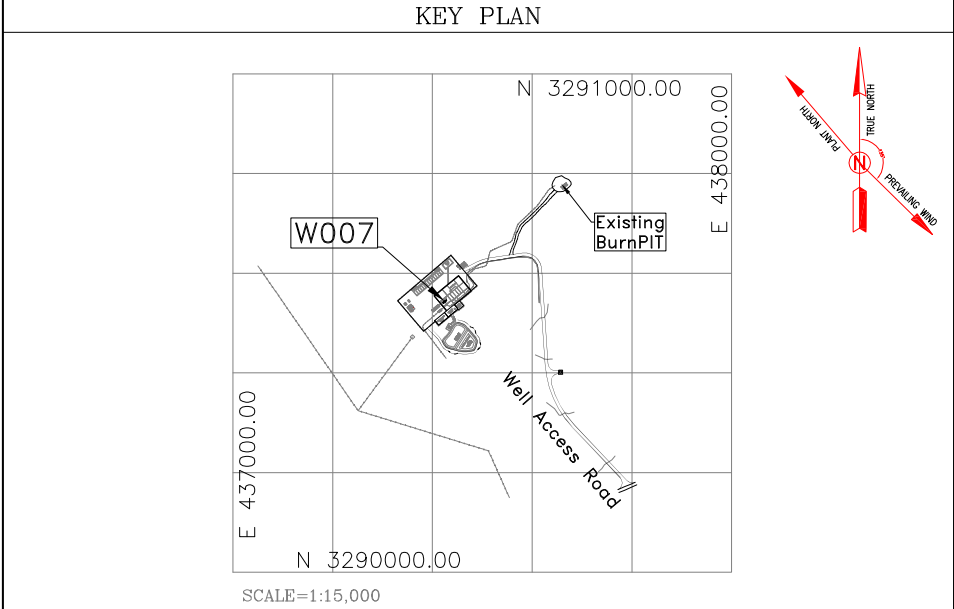
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|-------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|--------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|------|--|-------|--|------------|--|-------|--|----------|--|
|                                                                                                                                                                                                                                                    |  |          |  |                               |  |                                                                                                                                           |  | ***         |  | *****        |  | **                                                                                                                                                                                                                                                                                                                       |  | ****         |  | **   |  | ***   |  | *****      |  |       |  |          |  |
|                                                                                                                                                                                                                                                    |  |          |  |                               |  |                                                                                                                                           |  |             |  | REV.         |  | DESCRIPTION                                                                                                                                                                                                                                                                                                              |  | BY           |  | DATE |  | BY    |  | DATE       |  |       |  |          |  |
| DOO                                                                                                                                                                                                                                                |  | JUL 2023 |  | IPC                           |  | R.BERLOUE                                                                                                                                 |  | M.FAKHARIAN |  | A.M.MOHSSENI |  | ***                                                                                                                                                                                                                                                                                                                      |  |              |  |      |  |       |  |            |  |       |  |          |  |
| REV.                                                                                                                                                                                                                                               |  | DATE     |  | P.O.I.S                       |  | PREP.                                                                                                                                     |  | CHK.        |  | APP.         |  | AUT.                                                                                                                                                                                                                                                                                                                     |  |              |  |      |  |       |  |            |  |       |  |          |  |
| PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C                                                                                                                                              |  |          |  |                               |  |                                                                                                                                           |  |             |  |              |  | <div>اصل و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.</div> <div>THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS</div> |  |              |  |      |  |       |  |            |  |       |  |          |  |
| PROJECT NO.: 971020                                                                                                                                                                                                                                |  |          |  |                               |  |                                                                                                                                           |  |             |  |              |  |                                                                                                                                                                                                                                                                                                                          |  |              |  |      |  |       |  |            |  |       |  |          |  |
| EPC CONTRACTOR:                                                                                                                                                                                                                                    |  |          |  |                               |  | EPD/EPC CONTRACTOR (GC): BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C                          |  |             |  |              |  |                                                                                                                                                                                                                                                                                                                          |  |              |  |      |  |       |  |            |  |       |  |          |  |
| <div></div> <div>HIRGAN ENERGY – DESIGN &amp; INSPECTION COMPANIES</div> |  |          |  |                               |  | <div></div> <div>PETROIRAN DEVELOPMENT COMPANY</div> |  |             |  |              |  |                                                                                                                                                                                                                                                                                                                          |  |              |  |      |  |       |  |            |  |       |  |          |  |
|                                                                                                                                                                                                                                                    |  |          |  |                               |  | DATE                                                                                                                                      |  | SCALE       |  | DRAWING BY   |  | CHECKED BY                                                                                                                                                                                                                                                                                                               |  | PROJECT ENG. |  |      |  |       |  |            |  |       |  |          |  |
| DRAWING TITLE: Rough Grading Plans –W007S (BATTERY LIMIT)                                                                                                                                                                                          |  |          |  |                               |  |                                                                                                                                           |  |             |  |              |  | 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 |  |
| 1:500                                                                                                                                                                                                                                              |  | A1       |  | BK–W007S–PEDCO–110–CV–DW–0001 |  |                                                                                                                                           |  | 2 OF 5      |  | DOO          |  | 053–073–9184                                                                                                                                                                                                                                                                                                             |  | F            |  | 4    |  | S     |  | 708049     |  | 2     |  | DOO      |  |

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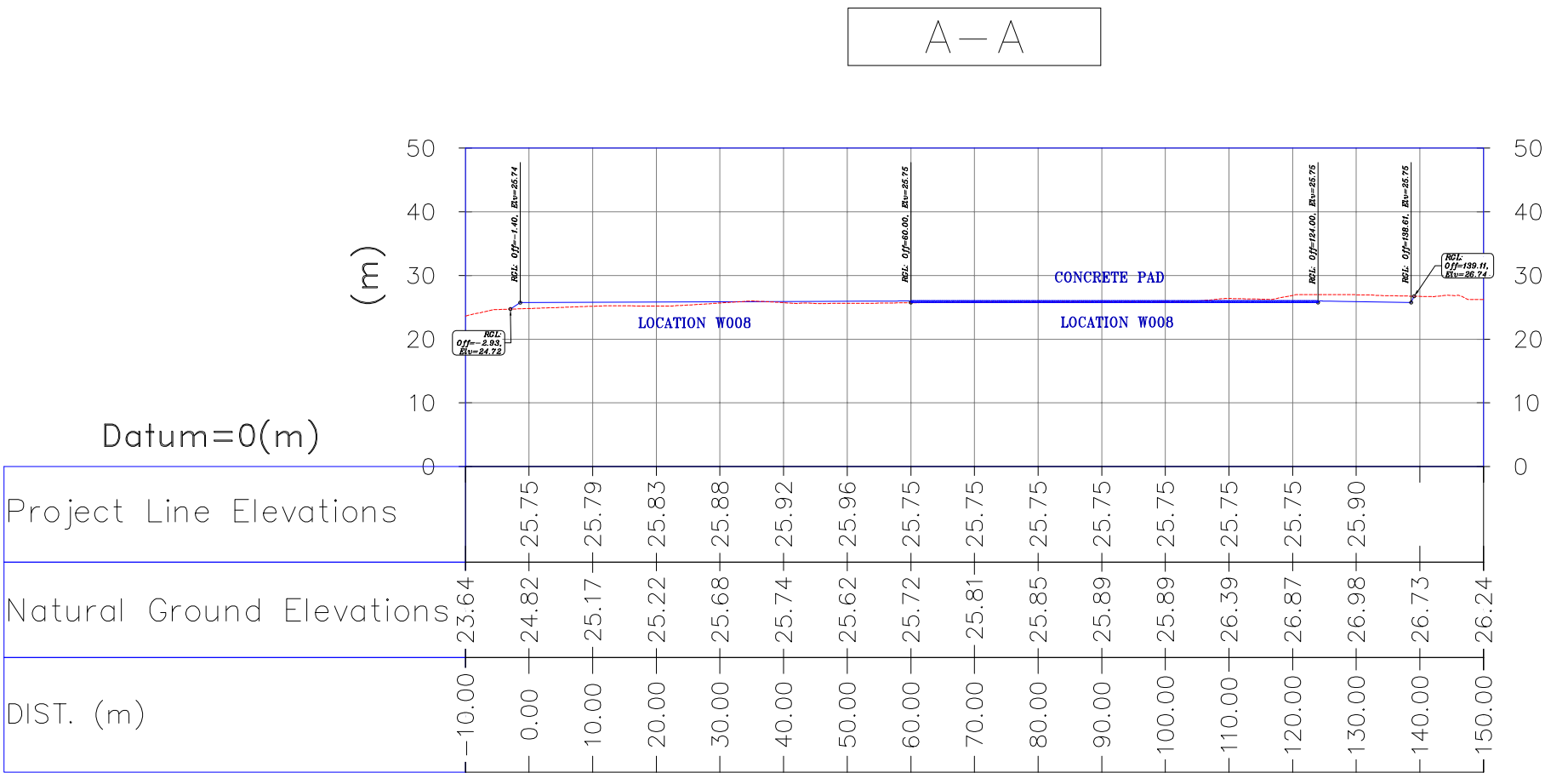
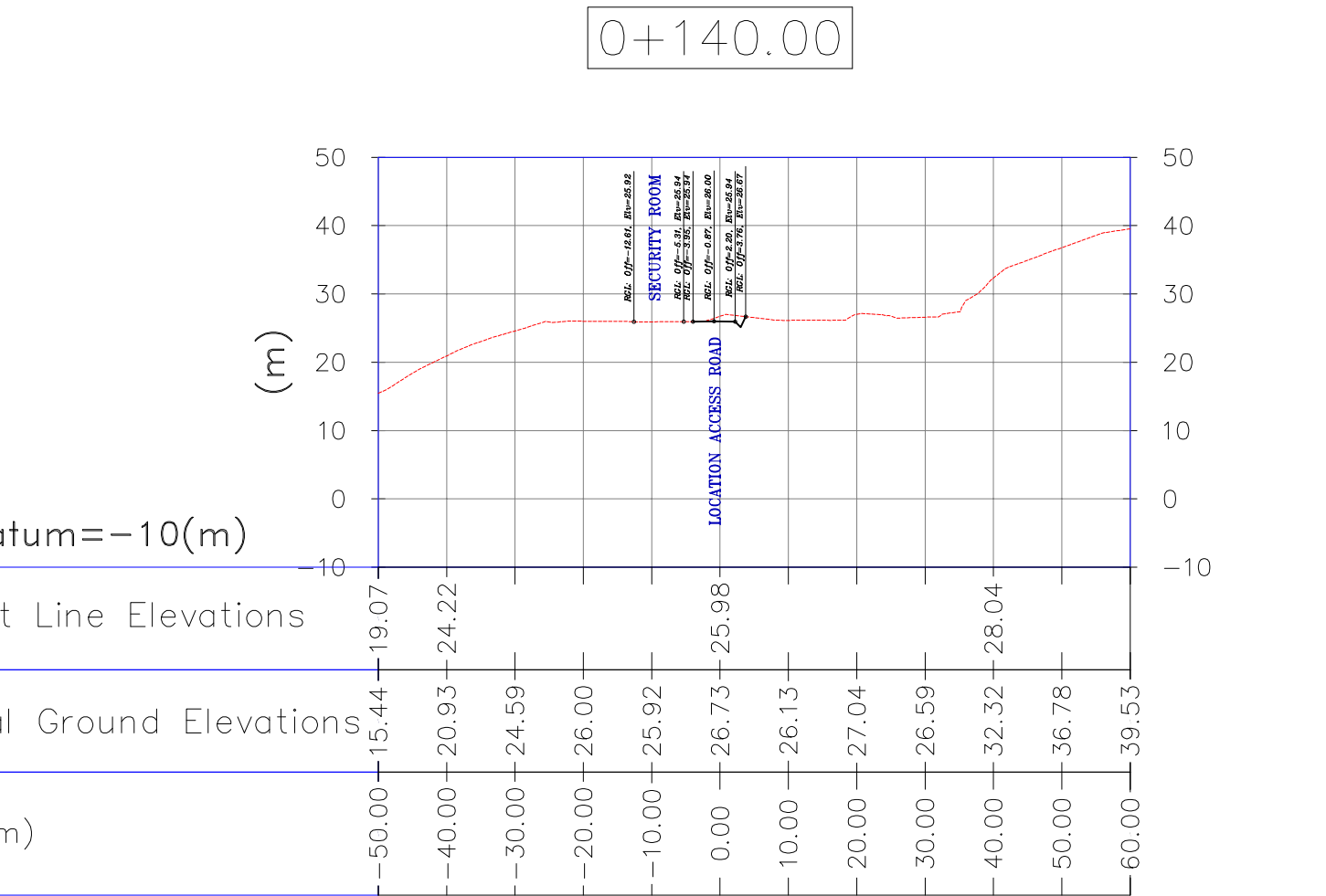
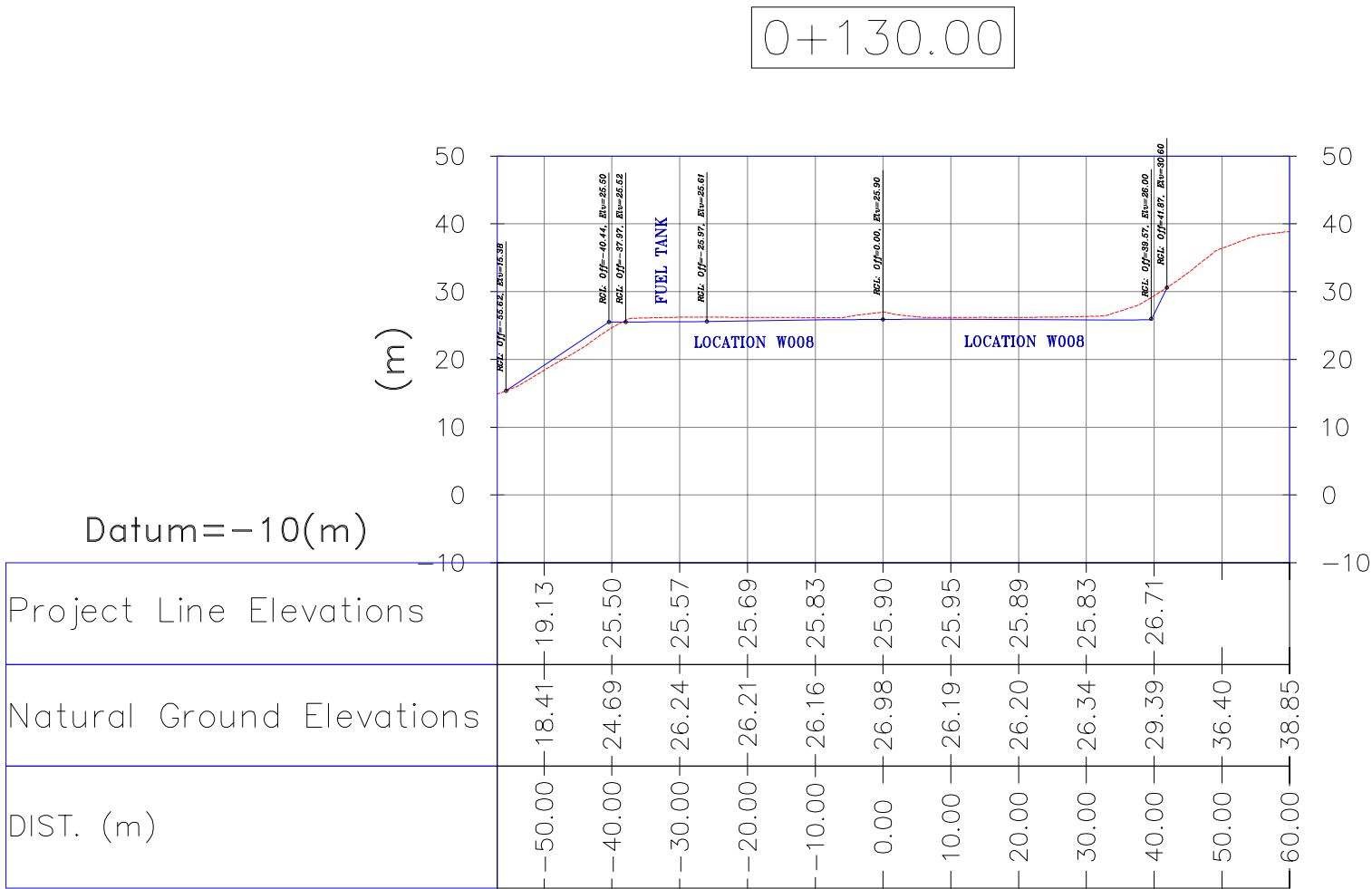
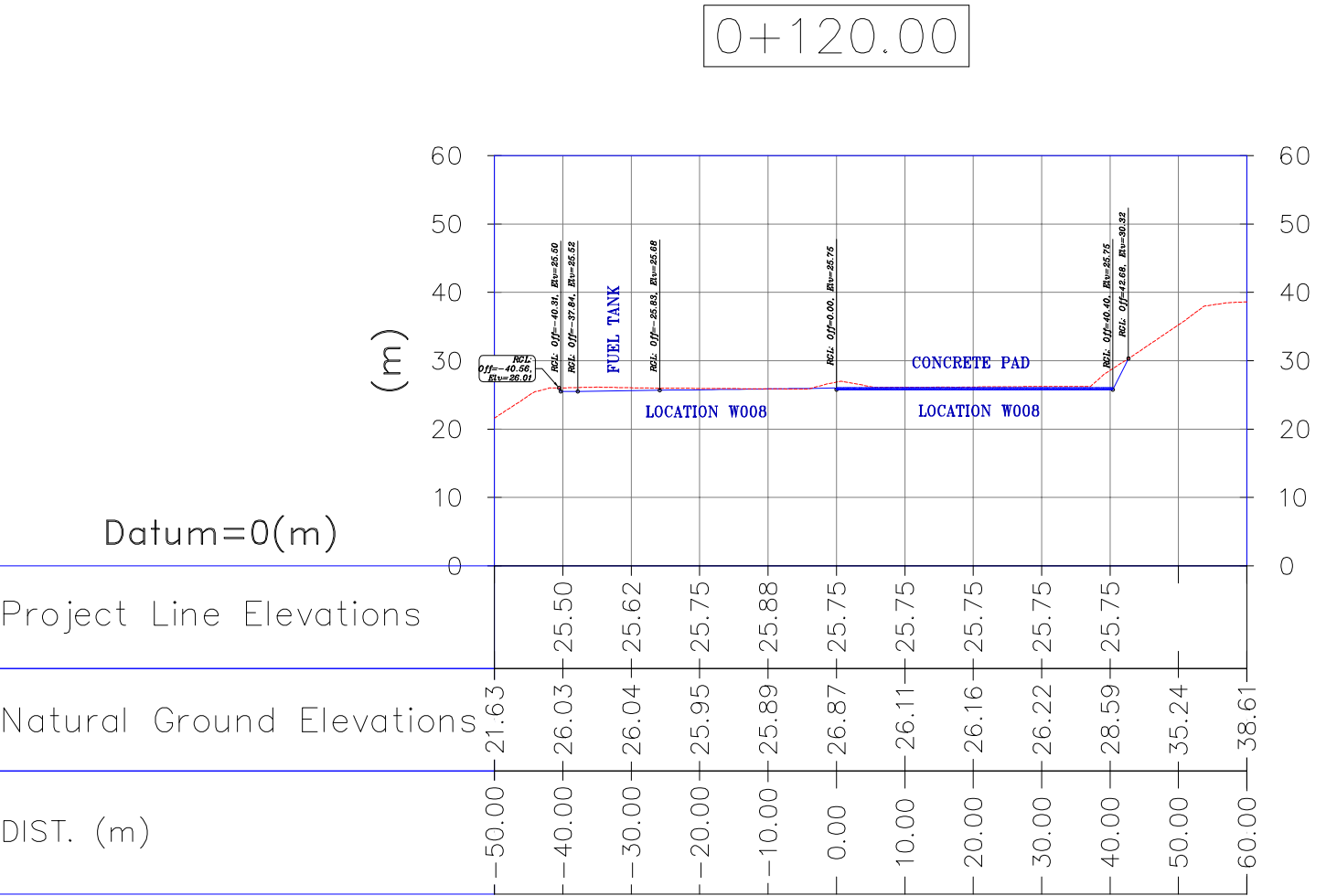
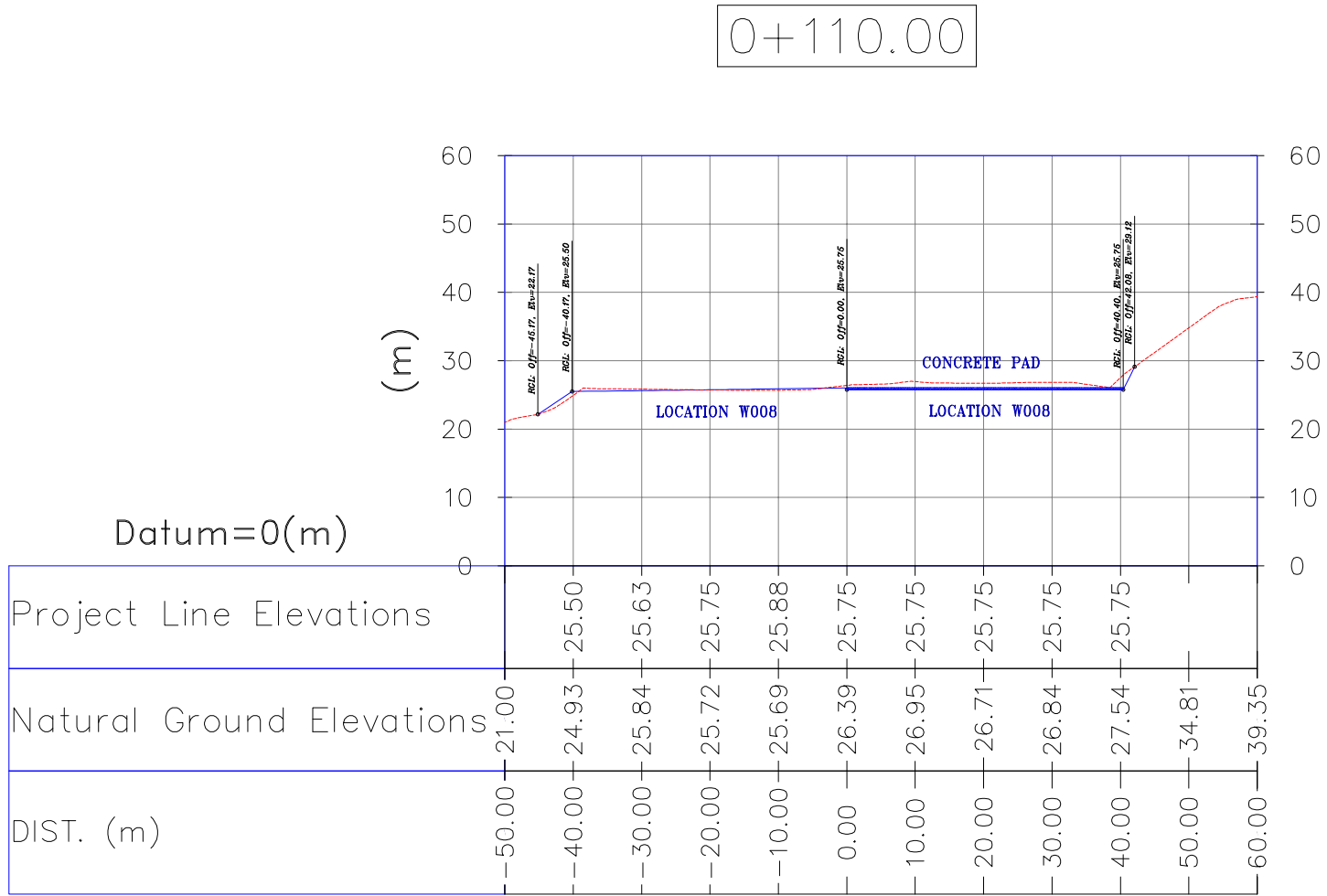
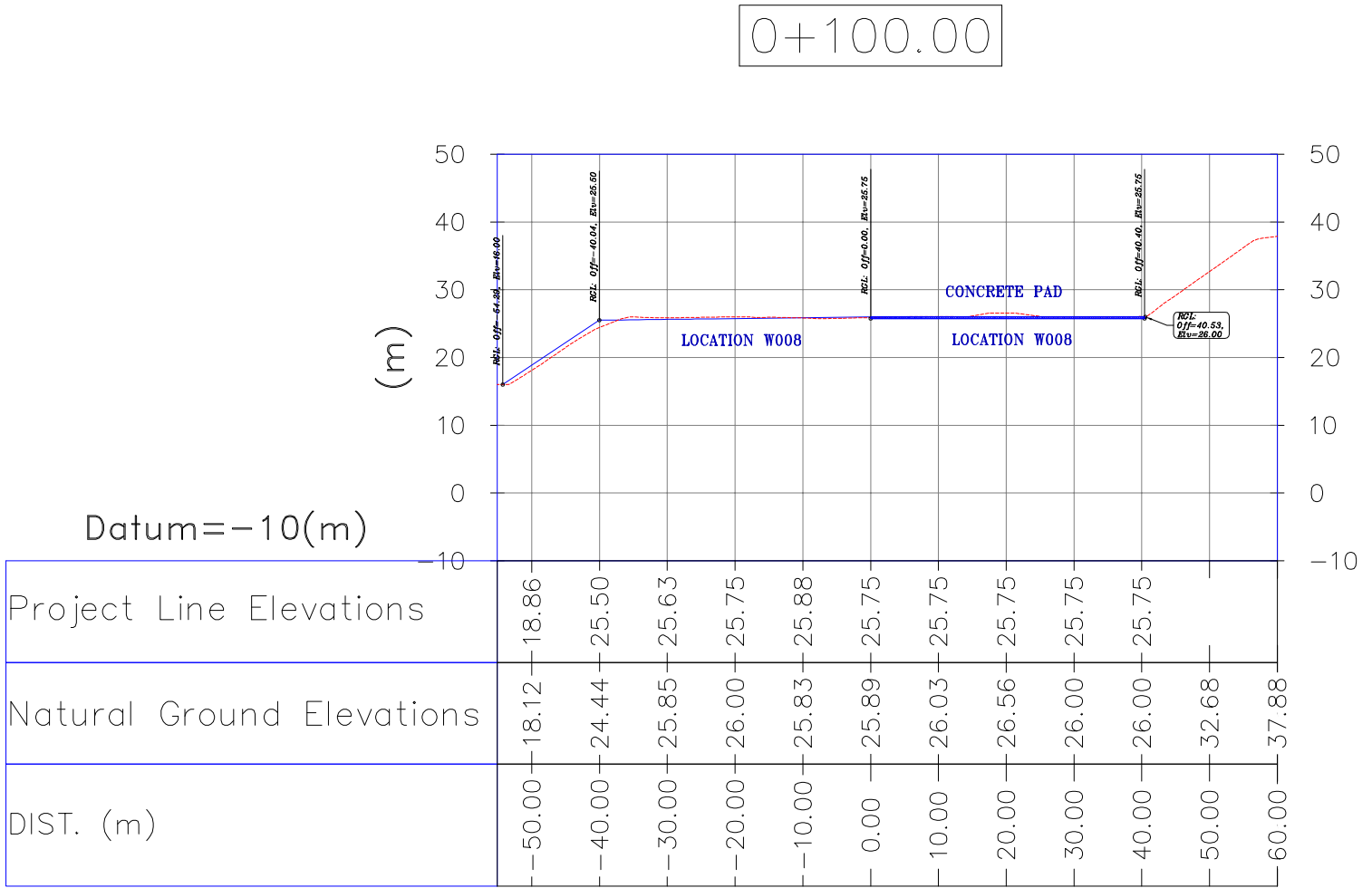
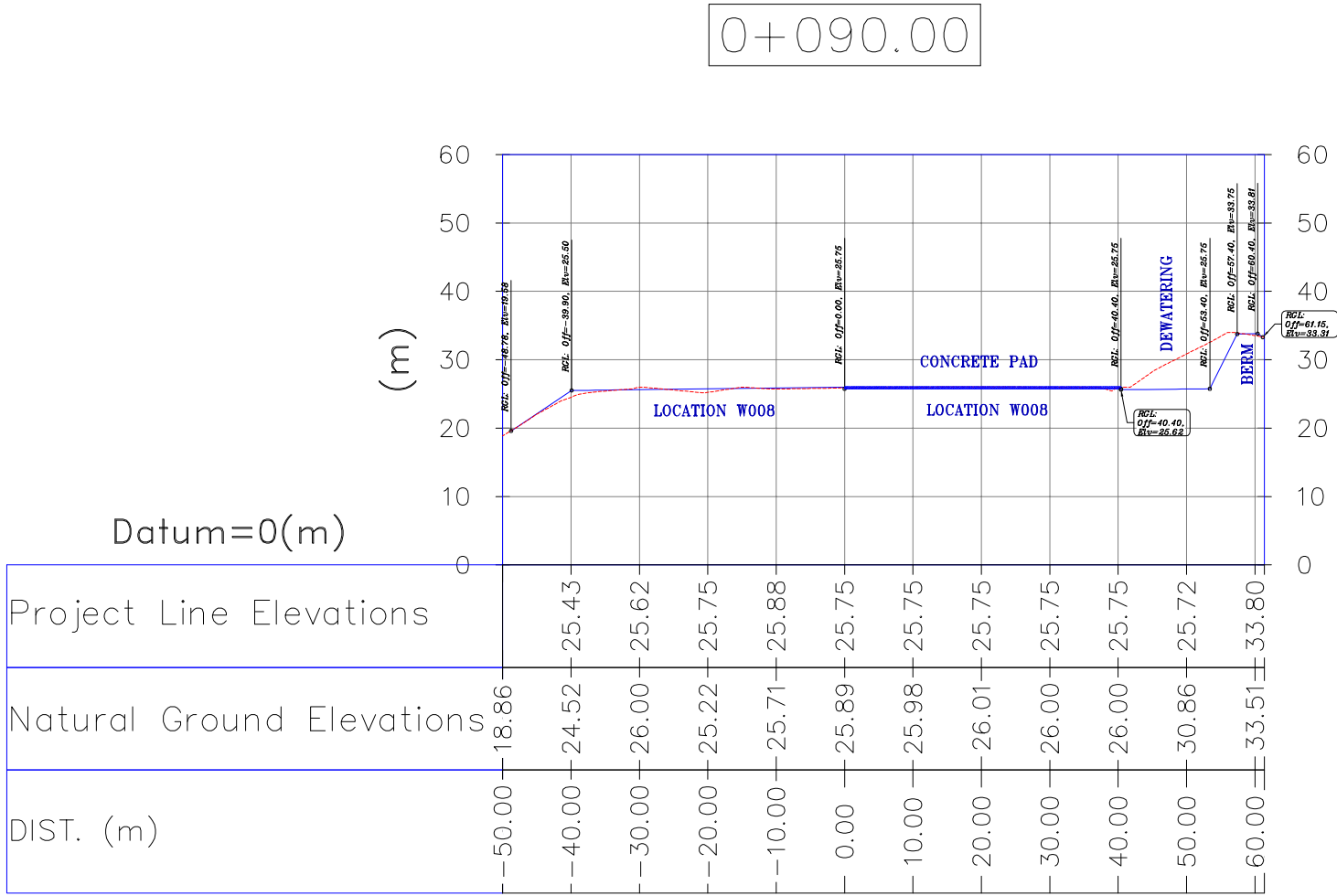
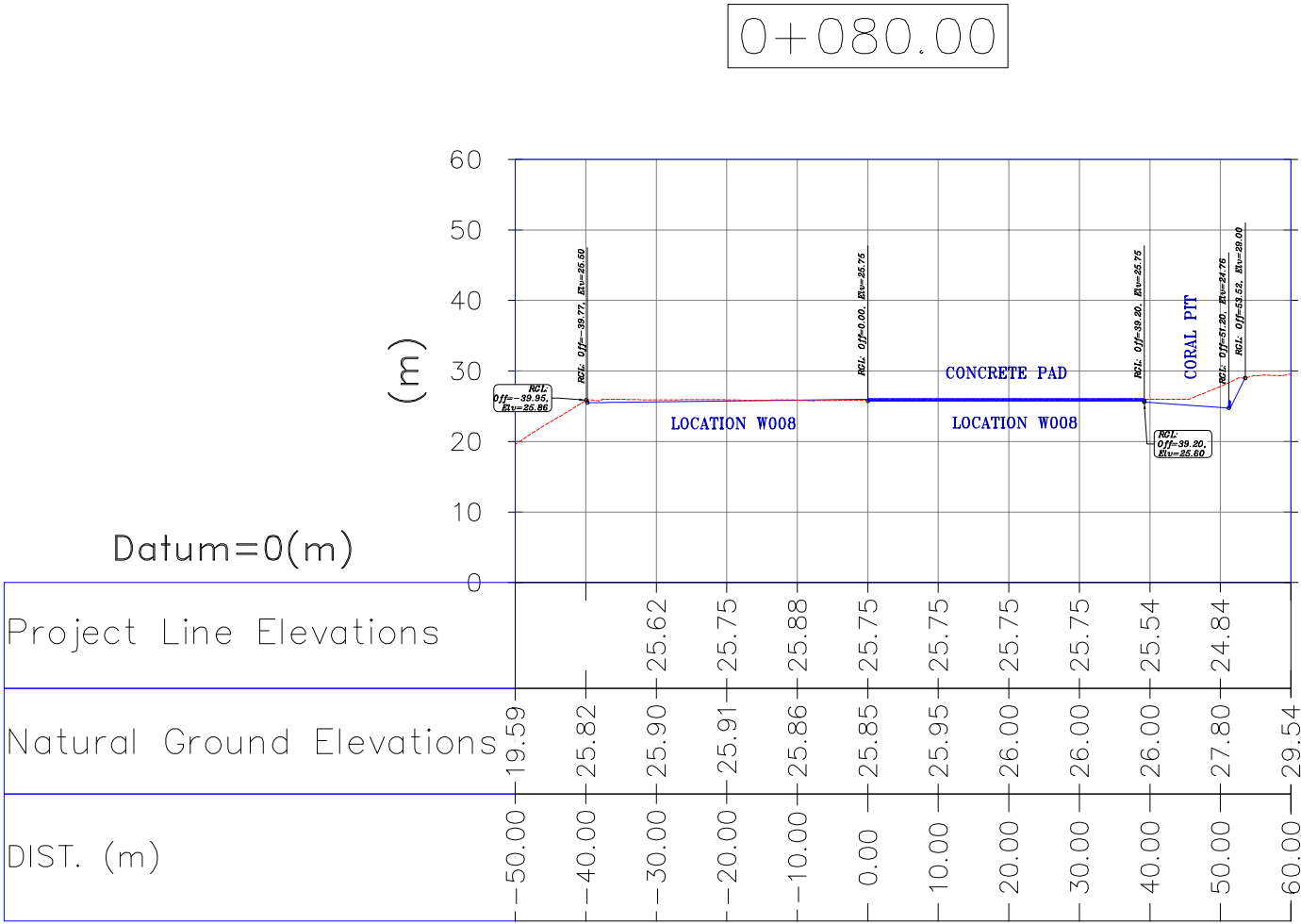
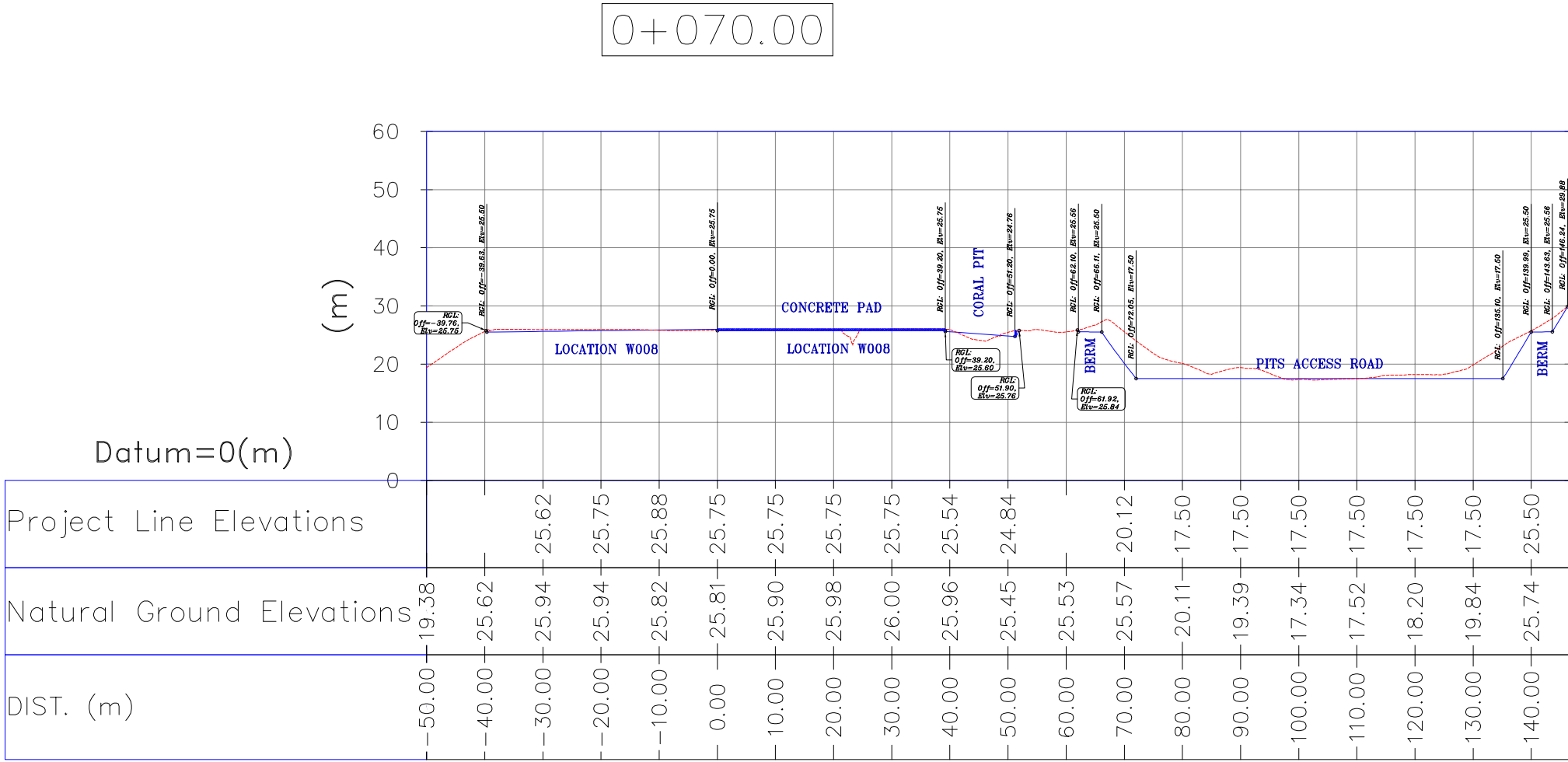


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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)  
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)  
VERTICAL DATUM: MEAN SEA LEVEL
  - 4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
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    - "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-0001"
    - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
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  - 7- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON:  
**BK-SSRL-PEDCO-110-PI-DW-0001**
  - 8- THE FENCE AROUND THE LOCATION SHALL BE BASED ON:  
**BK-GNRL-PEDCO-000-CV-DW-0009**
  - 9- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE **ADJUSTED AT SITE.**
  - 10- THE FENCE AROUND THE LOCATION SHALL BE BASED ON:  
**BK-GNRL-PEDCO-000-CV-DW-0009**

| LEGEND |                                                 |
|--------|-------------------------------------------------|
|        | Existing GRAVEL ROAD                            |
|        | New GRAVEL ROAD                                 |
|        | New ASPHALT ROAD                                |
|        | STAIR                                           |
|        | TRENCH                                          |
|        | EMBANKMENT                                      |
|        | OIL LINE                                        |
|        | BURNING PIT LINE                                |
|        | NEW BURN PIT LINE                               |
|        | POWER LINE                                      |
|        | WATER LINE                                      |
|        | GABION WALL                                     |
|        | BUILDING                                        |
|        | CONCRETE AREA                                   |
|        | SEPTIC                                          |
|        | MANHOLE                                         |
|        | POLE                                            |
|        | HELIPAD                                         |
|        | GEOMEMBRANE                                     |
|        | CHANNEL                                         |
|        | RIVER                                           |
|        | WATER COURSE                                    |
|        | 60<br>50<br>CONTOURS                            |
|        | 99.27<br>SPOT HEIGHT                            |
|        | BENCH MARK                                      |
|        | CULVERT                                         |
|        | WELL LOCATION                                   |
|        | WELL                                            |
|        | BURNPIT                                         |
|        | SITE (LOCATION)                                 |
|        | DRILLING CONEX AREA                             |
|        | SUBSIDENCE AREA                                 |
|        | +0.21<br>FILL THICKNESS                         |
|        | -0.08<br>CUT THICKNESS                          |
|        | CUT GRADING                                     |
|        | FILL GRADING                                    |
|        | REFERENCE DRAWING                               |
|        | DRG. No.                                        |
|        | GENERAL CIVIL LAYOUT - W007S                    |
|        | CIVIL AND STRUCTURAL DRAWINGS - W007S           |
|        | Plot Plan Drawing - W007S                       |
|        | Flow line Plan & Profile Drawings - W007S       |
|        | Geotechnical Investigation Report - W007S       |
|        | Specification For Earth Work                    |
|        | Standard Drawing For Slope Protection Details   |
|        | Specification For Road & Paving                 |
|        | GENERAL NOTES - REINFORCED CONCRETE STRUCTURES  |
|        | Standard Drawing For Fence & Gate Details       |
|        | Standard Drawing For A/G Pipeline Road Crossing |
|        | ABBREVIATIONS                                   |
|        | R.G.L. = ROUGH GRADING LEVEL                    |
|        | S.R. = SECURITY ROOM                            |
|        | S.G. = SWITCH GEAR                              |
|        | N.G.L. = NATURAL GROUND LEVEL                   |
|        | D.G. = DIESEL GENERATOR SHELTER                 |
|        | F.F. = FIRE FIGHTING SHELTER                    |
|        | FUEL TANK                                       |
|        | SECURITY ROOM                                   |
|        | WATER TANK                                      |
|        | DIESEL GENERATOR SHELTER                        |
|        | FIRE FIGHTING SHELTER                           |



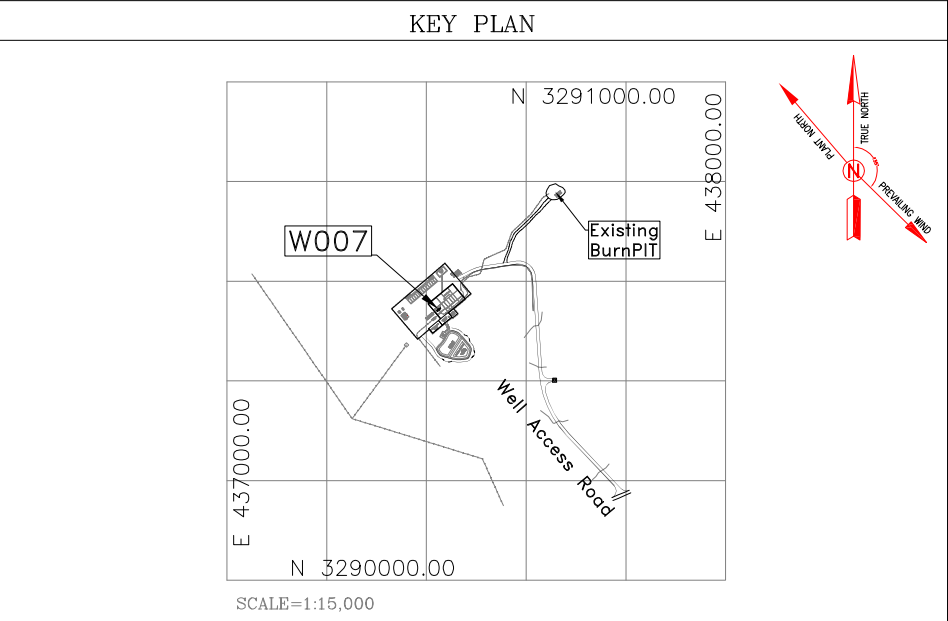
|                                                   |                                                                                                                             |                               |            |              |              |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|--------------|--------------|
| ***                                               | *****                                                                                                                       | ***                           | ***        | ***          | ***          |
| REV.                                              | DESCRIPTION                                                                                                                 | BY                            | DATE       | BY           | DATE         |
|                                                   |                                                                                                                             | CHECKED                       |            | REV. APPR.   |              |
|                                                   | اسم و کلمه نسخ این نقشه و حق امتیاز 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 |                               |            |              |              |
|                                                   | BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C                                     |                               |            |              |              |
| DATE                                              | SCALE                                                                                                                       | DRAWING BY                    | CHECKED BY | PROJECT ENG. |              |
| NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED |                                                                                                                             |                               |            |              |              |
| APPROVED FOR CONSTRUCTION                         |                                                                                                                             | BY:                           |            | DATE:        |              |
| SCALE                                             | SIZE                                                                                                                        | DRAWING NO.                   | SHEET NO.  | REV.         | BUDGET REF.  |
| 1:1000                                            | A1                                                                                                                          | BK-W007S-PEDCO-110-CV-DW-0001 | 3 OF 5     | D00          | 053-073-9184 |
|                                                   |                                                                                                                             |                               |            |              | LOCATION     |
|                                                   |                                                                                                                             |                               |            |              | SIZE         |
|                                                   |                                                                                                                             |                               |            |              | CLASS        |
|                                                   |                                                                                                                             |                               |            |              | SERIAL NO.   |
|                                                   |                                                                                                                             |                               |            |              | SHEET        |
|                                                   |                                                                                                                             |                               |            |              | REVISION     |



- NOTES
- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
  - 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
  - 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:  
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39  
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)  
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)  
VERTICAL DATUM: MEAN SEA LEVEL
  - 4- THE 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"
  - 5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
  - 6- RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
  - 7- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSRL-PEDCO-110-PI-DW-0001
  - 8- THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009
  - 9- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.
  - 10- THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009

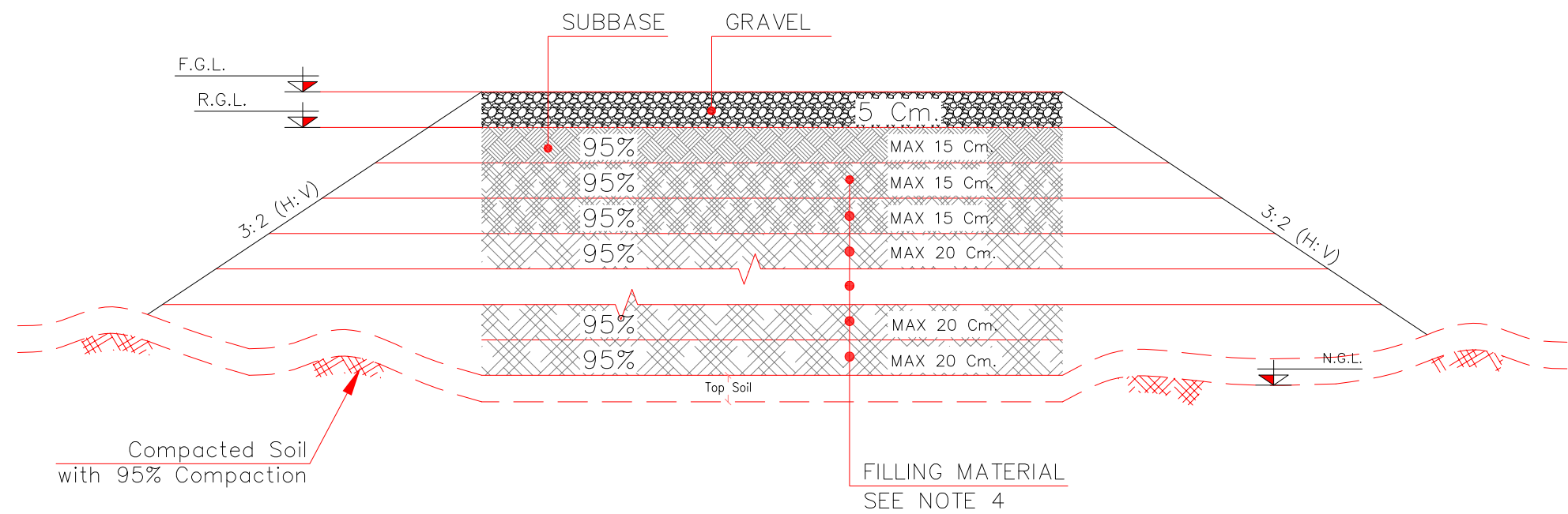
| LEGEND |                     |
|--------|---------------------|
|        | CHANNEL             |
|        | RIVER               |
|        | WATER COURSE        |
|        | CONTOURS            |
|        | SPOT HEIGHT         |
|        | BENCH MARK          |
|        | CULVERT             |
|        | WELL LOCATION       |
|        | WELL                |
|        | BURNPIT             |
|        | SITE (LOCATION)     |
|        | DRILLING CONEX AREA |
|        | SUBSIDENCE AREA     |
|        | FILL THICKNESS      |
|        | CUT THICKNESS       |
|        | CUT GRADING         |
|        | FILL GRADING        |
|        |                     |
|        |                     |

| REFERENCE DRAWING                               |                               |
|-------------------------------------------------|-------------------------------|
| GENERAL CIVIL LAYOUT - W007S                    | BK-W007S-PEDCO-110-CV-PY-0001 |
| CIVIL AND STRUCTURAL DRAWINGS - W007S           | BK-W007S-PEDCO-110-CV-PY-0002 |
| Plot Plan Drawing - W007S                       | BK-W007S-PEDCO-110-PI-PY-0002 |
| Flow line Plan & Profile Drawings - W007S       | BK-W007S-PEDCO-110-SU-DW-0001 |
| Geotechnical Investigation Report - W007S       | BK-W007S-PEDCO-110-GT-RT-0001 |
| 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  |
| GENERAL NOTES - REINFORCED CONCRETE STRUCTURES  | BK-GNRL-PEDCO-000-GT-DW-0002  |
| Standard Drawing For Fence & Gate Details       | BK-GNRL-PEDCO-000-CV-DW-0009  |
| Standard Drawing For A/G Pipeline Road Crossing | BK-GNRL-PEDCO-000-PL-DW-0005  |
| ABBREVIATIONS                                   |                               |
| R.G.L. = ROUGH GRADING LEVEL                    | F.T. FUEL TANK                |
| S.R. = SECURITY ROOM                            | S.C. SWITCH GEAR              |
| N.G.L. = NATURAL GROUND LEVEL                   | W.T. WATER TANK               |
| D.G. = DIESEL GENERATOR SHELTER                 | F.F. FIRE FIGHTING SHELTER    |
| F.G.L. = FINISH GRADING LEVEL                   |                               |



| Bench Mark List Coordinates Table |            |             |           |
|-----------------------------------|------------|-------------|-----------|
| Name                              | Easting    | Northing    | Elevation |
| A                                 | 437523.370 | 3290541.394 | 40.839    |
| B                                 | 437428.204 | 3290500.172 | 26.993    |
| C                                 | 437414.149 | 3290474.294 | 25.341    |
| D                                 | 437362.167 | 3290475.377 | 24.662    |
| E                                 | 437336.157 | 3290549.222 | 24.653    |
| P1                                | 437376.155 | 3290587.122 | 25.522    |
| P2                                | 437436.094 | 3290628.752 | 26.344    |
| P3                                | 437487.708 | 3290624.916 | 25.472    |
| M1                                | 437572.578 | 3290639.566 | 20.046    |

|                                                                                                                                                                                                                                                                    |  |          |  |                               |  |           |  |                                                                                                                                                   |  |              |  |            |  |                                                                                                                                                                                                                              |  |                                                                                               |  |         |  |       |  |            |  |       |  |          |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|-------------------------------|--|-----------|--|---------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|---------|--|-------|--|------------|--|-------|--|----------|--|--|--|--|--|
|                                                                                                                                                                                                                                                                    |  |          |  |                               |  |           |  |                                                                                                                                                   |  | ***          |  | *****      |  | ***                                                                                                                                                                                                                          |  | *****                                                                                         |  | **      |  | ***** |  |            |  |       |  |          |  |  |  |  |  |
| D00                                                                                                                                                                                                                                                                |  | JUL.2023 |  | IPC                           |  | R.BERLOUE |  | M.FAKHARIAN                                                                                                                                       |  | A.M.MOHSSENI |  | ***        |  | REV.                                                                                                                                                                                                                         |  | DESCRIPTION                                                                                   |  | BY      |  | DATE  |  | BY         |  | DATE  |  |          |  |  |  |  |  |
| REV.                                                                                                                                                                                                                                                               |  | DATE     |  | P.O.I.S                       |  | PREP.     |  | CHK.                                                                                                                                              |  | APP.         |  | AUT.       |  |                                                                                                                                                                                                                              |  |                                                                                               |  | CHECKED |  |       |  | REV. APPR. |  |       |  |          |  |  |  |  |  |
| PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C                                                                                                                                                              |  |          |  |                               |  |           |  |                                                                                                                                                   |  |              |  |            |  | اسم و کلیه نسخ این نقشه و اقش اتمامی متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.                                                                                                                                           |  |                                                                                               |  |         |  |       |  |            |  |       |  |          |  |  |  |  |  |
| PROJECT NO.: 971020                                                                                                                                                                                                                                                |  |          |  |                               |  |           |  |                                                                                                                                                   |  |              |  |            |  | <div></div> THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS |  |                                                                                               |  |         |  |       |  |            |  |       |  |          |  |  |  |  |  |
| EPC CONTRACTOR:                                                                                                                                                                                                                                                    |  |          |  |                               |  |           |  | EPD/EPC CONTRACTOR (GC):                                                                                                                          |  |              |  |            |  |                                                                                                                                                                                                                              |  |                                                                                               |  |         |  |       |  |            |  |       |  |          |  |  |  |  |  |
| <div></div> <div></div> <div>HIRGAN ENERGY - DESIGN &amp; INSPECTION<br/>COMPANIES</div> |  |          |  |                               |  |           |  | <div></div> <div>PETROIRAN<br/>DEVELOPMENT<br/>COMPANY</div> |  |              |  |            |  |                                                                                                                                                                                                                              |  | BINAK OILFIELD DEVELOPMENT<br>SUB-SURFACE WORK PACKAGES<br>W007S WHF & EXTENSION OF BINAK B/C |  |         |  |       |  |            |  |       |  |          |  |  |  |  |  |
| DATE                                                                                                                                                                                                                                                               |  |          |  | SCALE                         |  |           |  | DRAWING BY                                                                                                                                        |  |              |  | CHECKED BY |  |                                                                                                                                                                                                                              |  | PROJECT ENG.                                                                                  |  |         |  |       |  |            |  |       |  |          |  |  |  |  |  |
|                                                                                                                                                                                                                                                                    |  |          |  |                               |  |           |  |                                                                                                                                                   |  |              |  |            |  |                                                                                                                                                                                                                              |  |                                                                                               |  |         |  |       |  |            |  |       |  |          |  |  |  |  |  |
| DRAWING TITLE: Rough Grading Plans -W007S                                                                                                                                                                                                                          |  |          |  |                               |  |           |  |                                                                                                                                                   |  |              |  |            |  | NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED                                                                                                                                                                            |  |                                                                                               |  |         |  |       |  |            |  |       |  |          |  |  |  |  |  |
| (CROSS SECTIONS)                                                                                                                                                                                                                                                   |  |          |  |                               |  |           |  |                                                                                                                                                   |  |              |  |            |  | APPROVED FOR CONSTRUCTION                                                                                                                                                                                                    |  |                                                                                               |  |         |  |       |  | BY:        |  | DATE: |  |          |  |  |  |  |  |
| SCALE                                                                                                                                                                                                                                                              |  | SIZE     |  | DRAWING NO.                   |  |           |  |                                                                                                                                                   |  | SHEET NO.    |  | REV.       |  | BUDGET REF.                                                                                                                                                                                                                  |  | LOCATION                                                                                      |  | SIZE    |  | CLASS |  | SERIAL NO. |  | SHEET |  | REVISION |  |  |  |  |  |
| 1:1000                                                                                                                                                                                                                                                             |  | A1       |  | BK-W007S-PEDCO-110-CV-DW-0001 |  |           |  |                                                                                                                                                   |  | 4 OF 5       |  | D00        |  | 053-073-9184                                                                                                                                                                                                                 |  | F                                                                                             |  | 4       |  | S     |  | 708049     |  | 4     |  | D00      |  |  |  |  |  |



ROUGH GRADING FILL TYPICAL SECTION (LOCATION)

Sc. N.T.S

| Station | Northing  | Easting    |
|---------|-----------|------------|
| 0+000   | 437356.71 | 3290516.29 |
| 0+010   | 437364.41 | 3290522.67 |
| 0+020   | 437372.10 | 3290529.05 |
| 0+030   | 437379.80 | 3290535.44 |
| 0+040   | 437387.50 | 3290541.82 |
| 0+050   | 437395.19 | 3290548.20 |
| 0+060   | 437402.89 | 3290554.59 |
| 0+070   | 437410.59 | 3290560.97 |
| 0+080   | 437418.29 | 3290567.36 |
| 0+090   | 437425.98 | 3290573.74 |
| 0+100   | 437433.68 | 3290580.12 |
| 0+110   | 437441.38 | 3290586.51 |
| 0+120   | 437449.08 | 3290592.89 |
| 0+130   | 437456.77 | 3290599.27 |
| 0+140   | 437464.47 | 3290605.66 |

Center Line Coordinates (UTM)

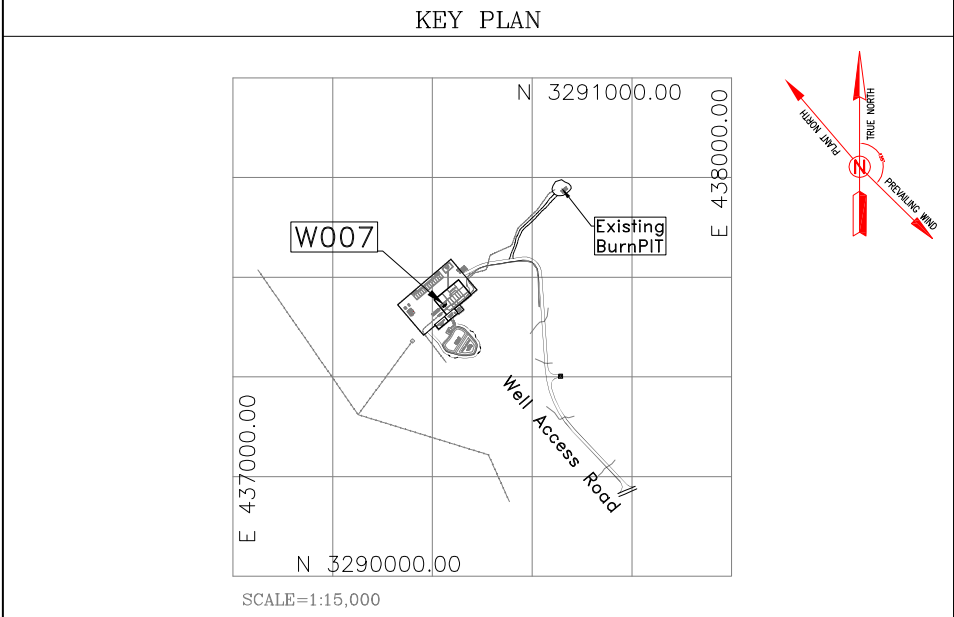
| Cut/Fill Summary                                                      |            |             |                      |                |
|-----------------------------------------------------------------------|------------|-------------|----------------------|----------------|
| Name                                                                  | Cut Factor | Fill Factor | Cut                  | Fill           |
| ROUGH GRADING<br>(Location, Waste PIT & Cutting Disposal Area -W007S) | 1.000      | 1.000       | 8263.31 Cu. M.       | 5977.60 Cu. M. |
|                                                                       |            |             | TOTAL=14240.91 Cu.M. |                |

Cut and Fill Volume Table

| Bench Mark List Coordinates Table |            |             |           |
|-----------------------------------|------------|-------------|-----------|
| Name                              | Easting    | Northing    | Elevation |
| A                                 | 437523.370 | 3290541.394 | 40.839    |
| B                                 | 437428.204 | 3290500.172 | 26.993    |
| C                                 | 437414.149 | 3290474.294 | 25.341    |
| D                                 | 437362.167 | 3290475.377 | 24.662    |
| E                                 | 437336.157 | 3290549.222 | 24.653    |
| P1                                | 437376.155 | 3290587.122 | 25.522    |
| P2                                | 437436.094 | 3290628.752 | 26.344    |
| P3                                | 437487.708 | 3290624.916 | 25.472    |
| M1                                | 437572.578 | 3290639.566 | 20.046    |

- NOTES
- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
  - 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
  - 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:  
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39  
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)  
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)  
VERTICAL DATUM: MEAN SEA LEVEL
  - 4- THE 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"
  - 5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
  - 6- RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
  - 7- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001
  - 8- THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009
  - 9- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.
  - 10- THE FENCE AROUND THE LOCATION SHALL BE BASED ON: BK-GNRL-PEDCO-000-CV-DW-0009

| LEGEND                                          |                      |                                |                     |
|-------------------------------------------------|----------------------|--------------------------------|---------------------|
|                                                 | Existing GRAVEL ROAD |                                | CHANNEL             |
|                                                 | New GRAVEL ROAD      |                                | RIVER               |
|                                                 | New ASPHALT ROAD     |                                | WATER COURSE        |
|                                                 | STAIR                |                                | CONTOURS            |
|                                                 | TRENCH               |                                | SPOT HEIGHT         |
|                                                 | EMBANKMENT           |                                | BENCH MARK          |
|                                                 | OIL LINE             |                                | CULVERT             |
|                                                 | BURNING PIT LINE     |                                | WELL LOCATION       |
|                                                 | NEW BURN PIT LINE    |                                |                     |
|                                                 | POWER LINE           |                                | WELL                |
|                                                 | WATER LINE           |                                |                     |
|                                                 | GABION WALL          |                                | BURNPIT             |
|                                                 | BUILDING             |                                | SITE (LOCATION)     |
|                                                 | CONCRETE AREA        |                                | DRILLING CONEX AREA |
|                                                 | SEPTIC               |                                | SUBSIDENCE AREA     |
|                                                 | MANHOLE              |                                | FILL THICKNESS      |
|                                                 | POLE                 |                                | CUT THICKNESS       |
|                                                 | HELIPAD              |                                | CUT GRADING         |
|                                                 | GEOMEMBRANE          |                                | FILL GRADING        |
| REFERENCE DRAWING                               |                      | DRG. No.                       |                     |
| GENERAL CIVIL LAYOUT – W007S                    |                      | BK– W007S–PEDCO–110–CV–PY–0001 |                     |
| CIVIL AND STRUCTURAL DRAWINGS – W007S           |                      | BK– W007S–PEDCO–110–CV–PY–0002 |                     |
| Plot Plan Drawing – W007S                       |                      | BK– W007S–PEDCO–110–PL–PY–0002 |                     |
| Flow line Plan & Profile Drawings – W007S       |                      | BK– W007S–PEDCO–110–SI–DW–0001 |                     |
| Geotechnical Investigation Report – W007S       |                      | BK– W007S–PEDCO–110–GT–RT–0001 |                     |
| Specification For Earth Work                    |                      | BK– GNRAL–PEDCO–000–CV–SP–0004 |                     |
| Standard Drawing For Slope Protection Details   |                      | BK– GNRAL–PEDCO–000–CV–DW–0002 |                     |
| Specification For Road & Paving                 |                      | BK– GNRAL–PEDCO–000–CV–SP–0002 |                     |
| GENERAL NOTES – REINFORCED CONCRETE STRUCTURES  |                      | BK– GNRAL–PEDCO–000–ST–DW–0012 |                     |
| Standard Drawing For Fence & Gate Details       |                      | BK– GNRAL–PEDCO–000–CL–DW–0009 |                     |
| Standard Drawing For A/G Pipeline Road Crossing |                      | BK– GNRAL–PEDCO–000–PL–DW–0005 |                     |
| ABBREVIATIONS                                   |                      |                                |                     |
| R.G.L. = ROUGH GRADING LEVEL                    | F.T.                 | FUEL TANK                      |                     |
|                                                 | S.R.                 | SECURITY ROOM                  |                     |
|                                                 | S.G.                 | SWITCH GEAR                    |                     |
| N.G.L. = NATURAL GROUND LEVEL                   | W.T.                 | WATER TANK                     |                     |
|                                                 | D.G.                 | DIESEL GENERATOR SHELTER       |                     |
| F.G.L. = FINISH GRADING LEVEL                   | F.F                  | FIRE FIGHTING SHELTER          |                     |



|                                                                                       |  |          |  |                               |  |                                                                                       |  |             |  |                                                                                            |  |                                                                                       |  |                                                                                    |  |      |  |                                                                                               |  |            |  |       |  |          |  |  |  |
|---------------------------------------------------------------------------------------|--|----------|--|-------------------------------|--|---------------------------------------------------------------------------------------|--|-------------|--|--------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|------|--|-----------------------------------------------------------------------------------------------|--|------------|--|-------|--|----------|--|--|--|
|                                                                                       |  |          |  |                               |  |                                                                                       |  | ***         |  | *****                                                                                      |  | ***                                                                                   |  | ****                                                                               |  | **   |  | *****                                                                                         |  |            |  |       |  |          |  |  |  |
|                                                                                       |  |          |  |                               |  |                                                                                       |  |             |  | REV.                                                                                       |  | DESCRIPTION                                                                           |  | BY                                                                                 |  | DATE |  | BY                                                                                            |  | DATE       |  |       |  |          |  |  |  |
| DOO                                                                                   |  | JUL.2023 |  | IPC                           |  | R.BERLOUE                                                                             |  | M.FAKHARIAN |  | A.M.MOHSENI                                                                                |  | ***                                                                                   |  |                                                                                    |  |      |  |                                                                                               |  |            |  |       |  |          |  |  |  |
| REV.                                                                                  |  | DATE     |  | P.O.I.S                       |  | PREP.                                                                                 |  | CHK.        |  | APP.                                                                                       |  | AUT.                                                                                  |  | املا و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد. |  |      |  |                                                                                               |  |            |  |       |  |          |  |  |  |
| PROJECT NAME:                                                                         |  |          |  |                               |  |                                                                                       |  |             |  | BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES<br>W007S WHF & EXTENSION OF BINAK B/C |  |                                                                                       |  |                                                                                    |  |      |  |                                                                                               |  |            |  |       |  |          |  |  |  |
| PROJECT NO.:                                                                          |  |          |  |                               |  |                                                                                       |  |             |  | 971020                                                                                     |  |                                                                                       |  |                                                                                    |  |      |  |                                                                                               |  |            |  |       |  |          |  |  |  |
| EPC CONTRACTOR:                                                                       |  |          |  |                               |  | EPD/EPC CONTRACTOR (GC):                                                              |  |             |  |                                                                                            |  |                                                                                       |  |                                                                                    |  |      |  |                                                                                               |  |            |  |       |  |          |  |  |  |
|  |  |          |  |                               |  |  |  |             |  |                                                                                            |  |  |  |                                                                                    |  |      |  | BINAK OILFIELD DEVELOPMENT<br>SUB-SURFACE WORK PACKAGES<br>W007S WHF & EXTENSION OF BINAK B/C |  |            |  |       |  |          |  |  |  |
| HIRGAN ENERGY – DESIGN & INSPECTION<br>COMPANIES                                      |  |          |  |                               |  | PEDCO                                                                                 |  |             |  |                                                                                            |  | PROJECT ENG.                                                                          |  |                                                                                    |  |      |  |                                                                                               |  |            |  |       |  |          |  |  |  |
| DRAWING TITLE:                                                                        |  |          |  |                               |  |                                                                                       |  |             |  | NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED                                          |  |                                                                                       |  |                                                                                    |  |      |  |                                                                                               |  |            |  |       |  |          |  |  |  |
| Rough Grading Plans –W007S<br>(ROUGH GRADING TYPICAL SECTION & VOLUME TABLE)          |  |          |  |                               |  |                                                                                       |  |             |  | APPROVED FOR CONSTRUCTION                                                                  |  |                                                                                       |  |                                                                                    |  |      |  |                                                                                               |  |            |  | BY:   |  | DATE:    |  |  |  |
| SCALE                                                                                 |  | SIZE     |  | DRAWING NO.                   |  |                                                                                       |  | SHEET NO.   |  | REV.                                                                                       |  | BUDGET REF.                                                                           |  | LOCATION                                                                           |  | SIZE |  | CLASS                                                                                         |  | SERIAL NO. |  | SHEET |  | REVISION |  |  |  |
| 1:1000                                                                                |  | A1       |  | BK-W007S-PEDCO-110-CV-DW-0001 |  |                                                                                       |  | 5 OF 5      |  | DOO                                                                                        |  | 053-073-9184                                                                          |  | F                                                                                  |  | 4    |  | S                                                                                             |  | 708049     |  | 5     |  | DOO      |  |  |  |