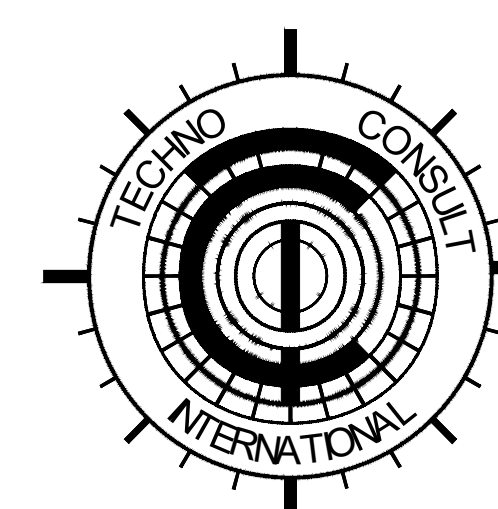




FEBRUARY 2026

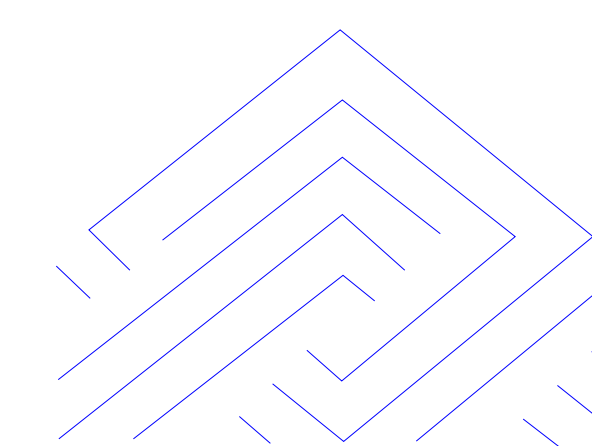
PROJECT IMPLEMENTATION UNIT (PIU)  
KHYBER PAKHTUNKHWA RURAL INVESTMENT AND INSTITUTIONAL SUPPORT PROJECT (KP-RIISP)  
PUBLIC HEALTH ENGINEERING DEPARTMENT (PHED)  
GOVERNMENT OF KHYBER PAKHTUNKHWA (GOKP)

**REHABILITATION OF EXISTING NON-FUNCTIONAL DRINKING  
WATER SUPPLY SCHEMES  
BANDAGAI SHUKRATA, KANDARO UTMAN KHEL,  
SHINKAI ALIZAY KHAR, HOSPITAL KHAR, CIVIL COLONY KHAR,  
GHANI ADAI KHAR, & BADDABO KHAR  
DISTRICT BAJAUR  
RFQ No. BJ-SW-R-02  
B I D   D R A W I N G S**



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International**

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Engineering  
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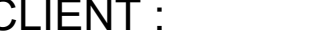
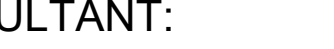
# LIST OF DRAWINGS

## LOCATION PLAN

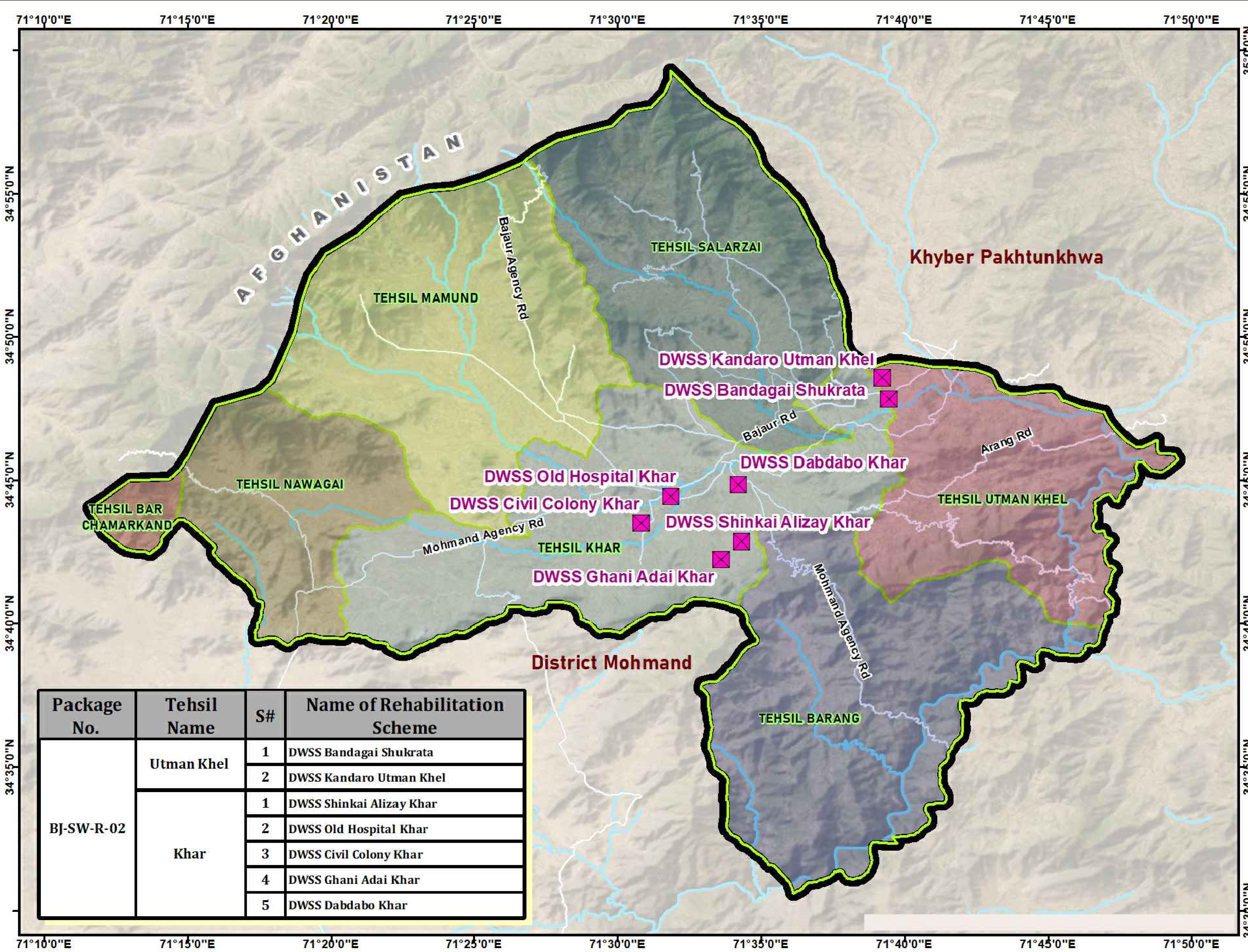
| NO. | DRAWING NO.        | TITLE         |
|-----|--------------------|---------------|
| 1   | KPR/REH/BJ-SW-R-02 | LOCATION PLAN |

## SOLAR DRAWINGS

| NO. | DRAWING NO.       | TITLE                                     |
|-----|-------------------|-------------------------------------------|
| 1   | KPR/REH/BJD/-2201 | SOLAR PUMPING SYSTEM                      |
| 2   | KPR/REH/BJD/-2202 | JUNCTION/COMBINER BOX SCHEMATICS DIAGRAM  |
| 3   | KPR/REH/BJD/-2203 | PV STRUCTURE INSTALLATION DRAWING         |
| 4   | KPR/REH/BJD/-2204 | EARTHING /GROUNDING DRAWING TOPSET LAYOUT |

|                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                |                                                       |                               |                 |     |          |    |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------|-----------------|-----|----------|----|------|
| <div>CLIENT :</div> <div>PUBLIC HEALTH<br/>ENGINEERING DEPARTMENT<br/>KHYBER PAKHTUNKHWA</div> | <div>CONSULTANT:</div> <div>Techno-Consult<br/>International</div> <div>JV<br/>Ultimate<br/>Engineering<br/>Consultants<br/><small>New Era of Development</small></div> | <div>PROJECT:</div> <div>KPRIISP – DESIGN REVIEW AND<br/>CONSTRUCTION SUPERVISION FOR<br/>WATER SUPPLY, SEWERAGE, DRAINAGE<br/>AND WASTE WATER TREATMENT<br/>PROJECT IN NEWLY MERGED DISTRICTS<br/>OF KHYBER PAKHTUNKHWA</div> | <div>DRAWING TITLE :</div> <div>LIST OF DRAWING</div> | Designed By : Dr. ASFAHAN ALI | Date : FEB 2026 | No. | Revision | By | Date |
|                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                |                                                       | Drawn By : NAEEM BAKHSH       | Scale : N.T.S   |     |          |    |      |
|                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                |                                                       | Checked By : RABEEA REHMAN    | Drawing No :    |     |          |    |      |
|                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                |                                                       | Approved By : RABEEA REHMAN   |                 |     |          |    |      |

**DWSS REHABILITATION GOVERNMENT SCHEMES**  
**SOLARIZATION WORKS PACKAGE NO - BJ-SW-R-02 - DISTRICT BAJAUR**

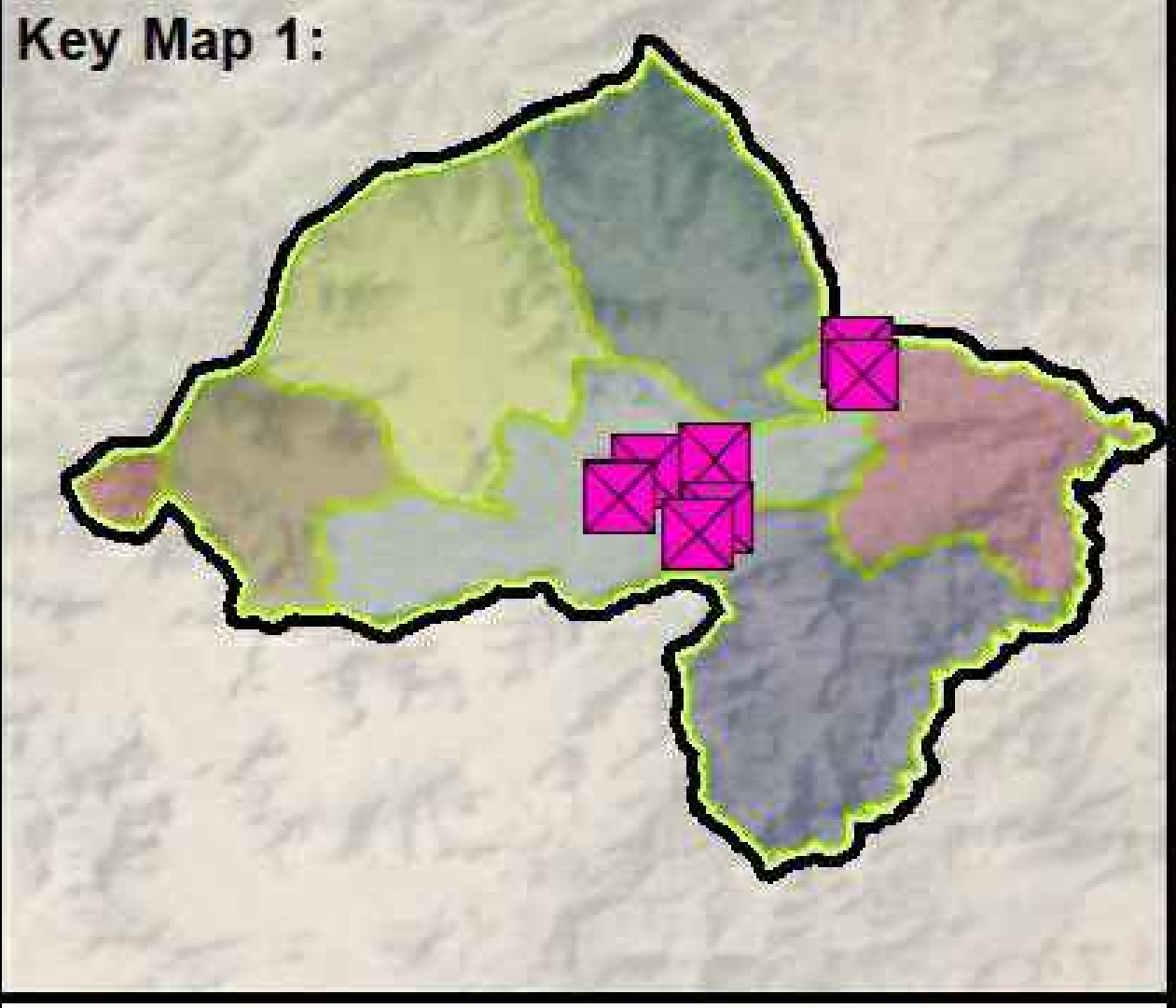


| Package No. | Tehsil Name | S# | Name of Rehabilitation Scheme |
|-------------|-------------|----|-------------------------------|
| BJ-SW-R-02  | Utman Khel  | 1  | DWSS Bandagai Shukrata        |
|             |             | 2  | DWSS Kandarо Utman Khel       |
|             | Khar        | 1  | DWSS Shinkai Alizay Khar      |
|             |             | 2  | DWSS Old Hospital Khar        |
|             |             | 3  | DWSS Civil Colony Khar        |
|             |             | 4  | DWSS Ghani Adai Khar          |
|             |             | 5  | DWSS Dabdabo Khar             |

Key Map:



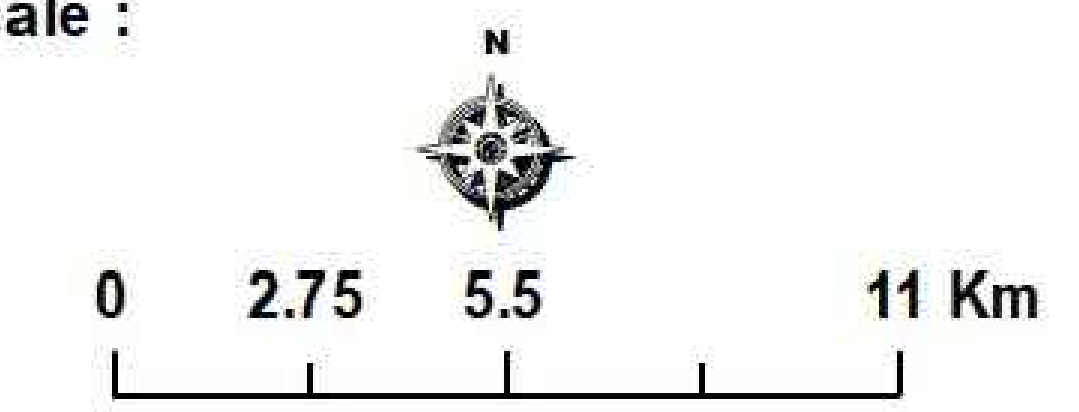
Key Map 1:



Legend :

- BJ-SW-R-02 Schemes
- District Boundary
- Tehsil Boundary
- Road Network
- River / Water Ways

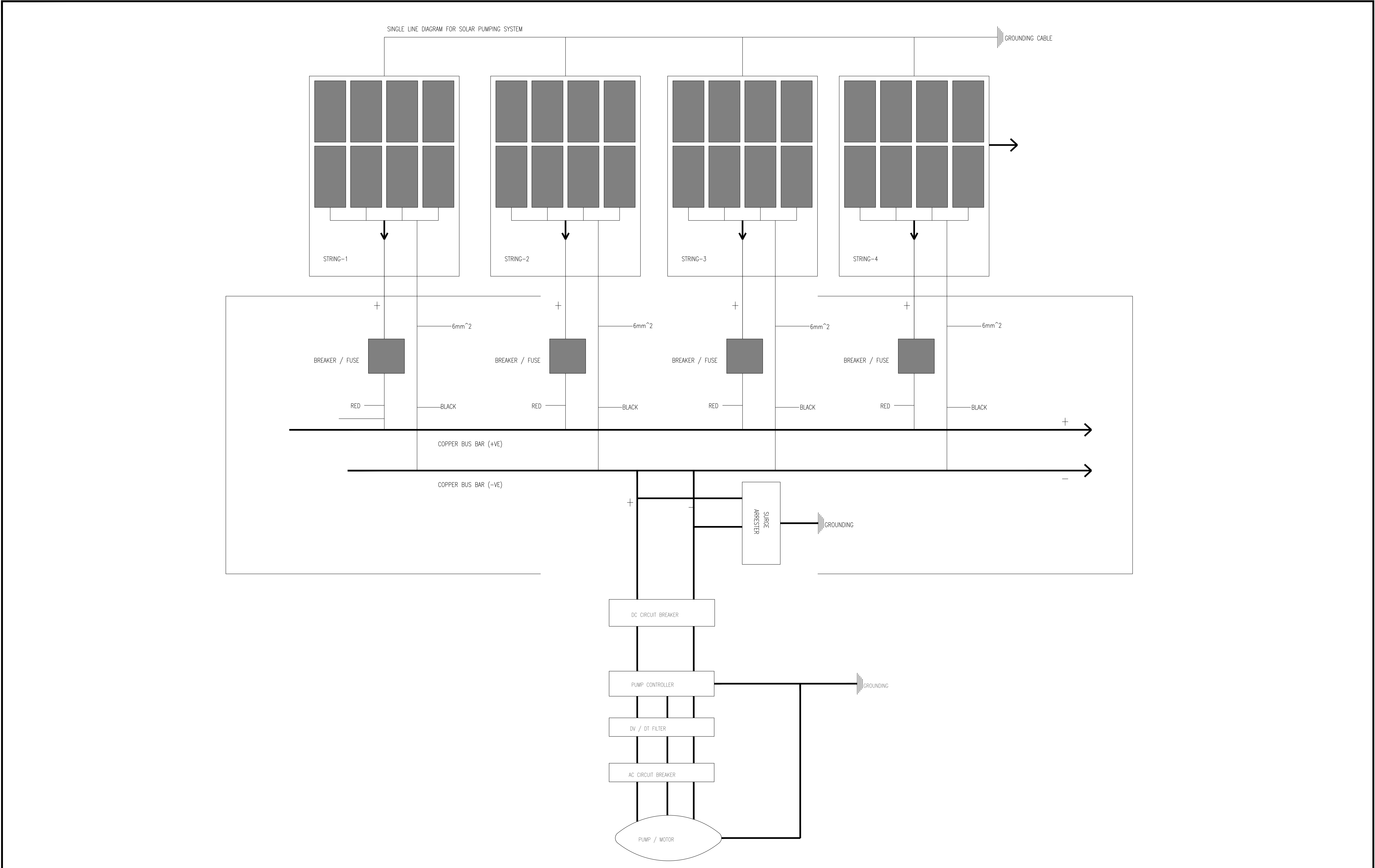
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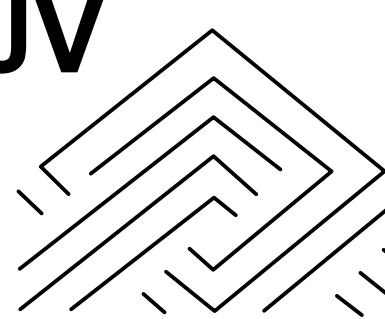


Consultants :

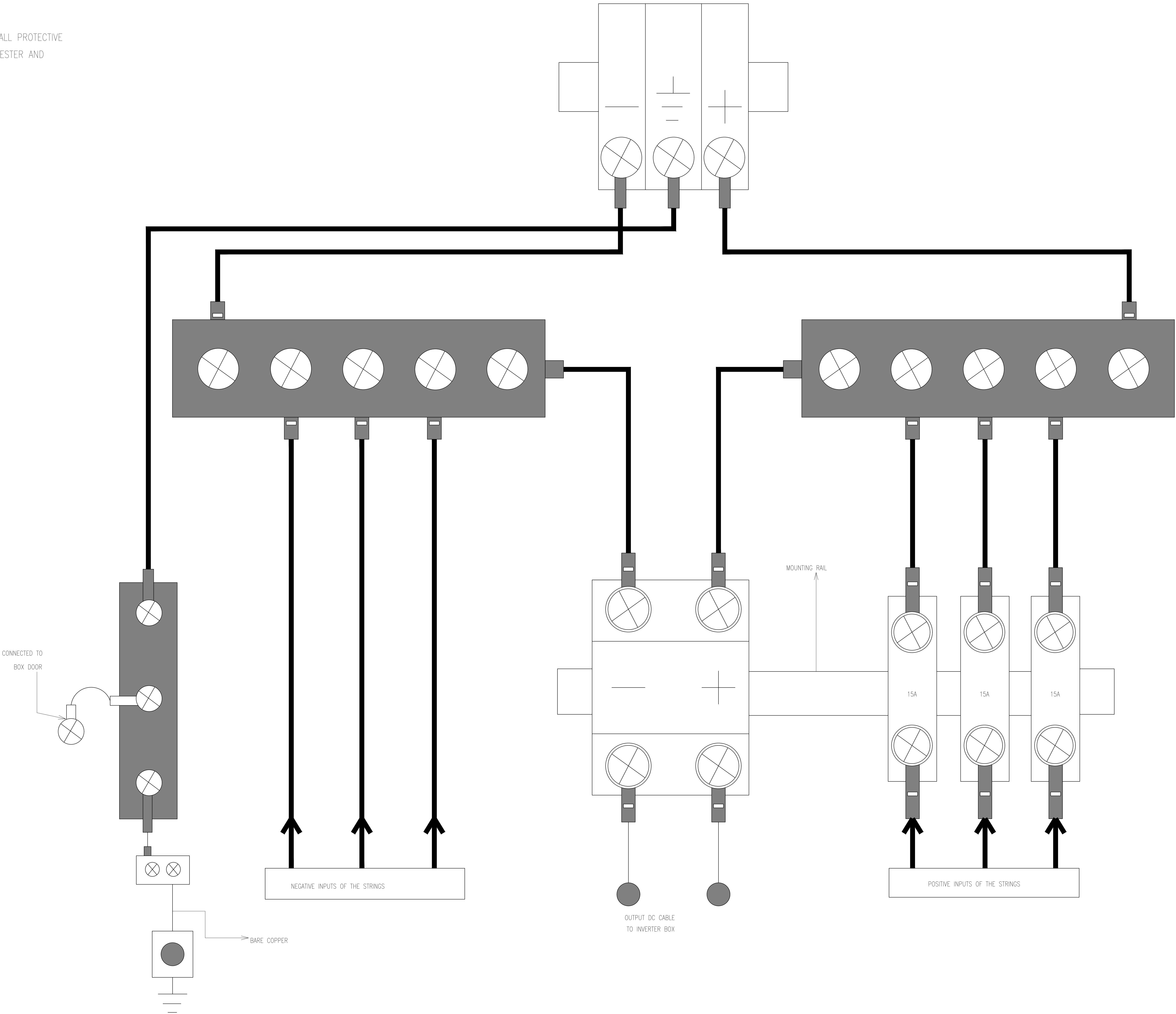


# **WATER COMPONENT ( REHABILITATION ) SOLARIZATION DRAWINGS**



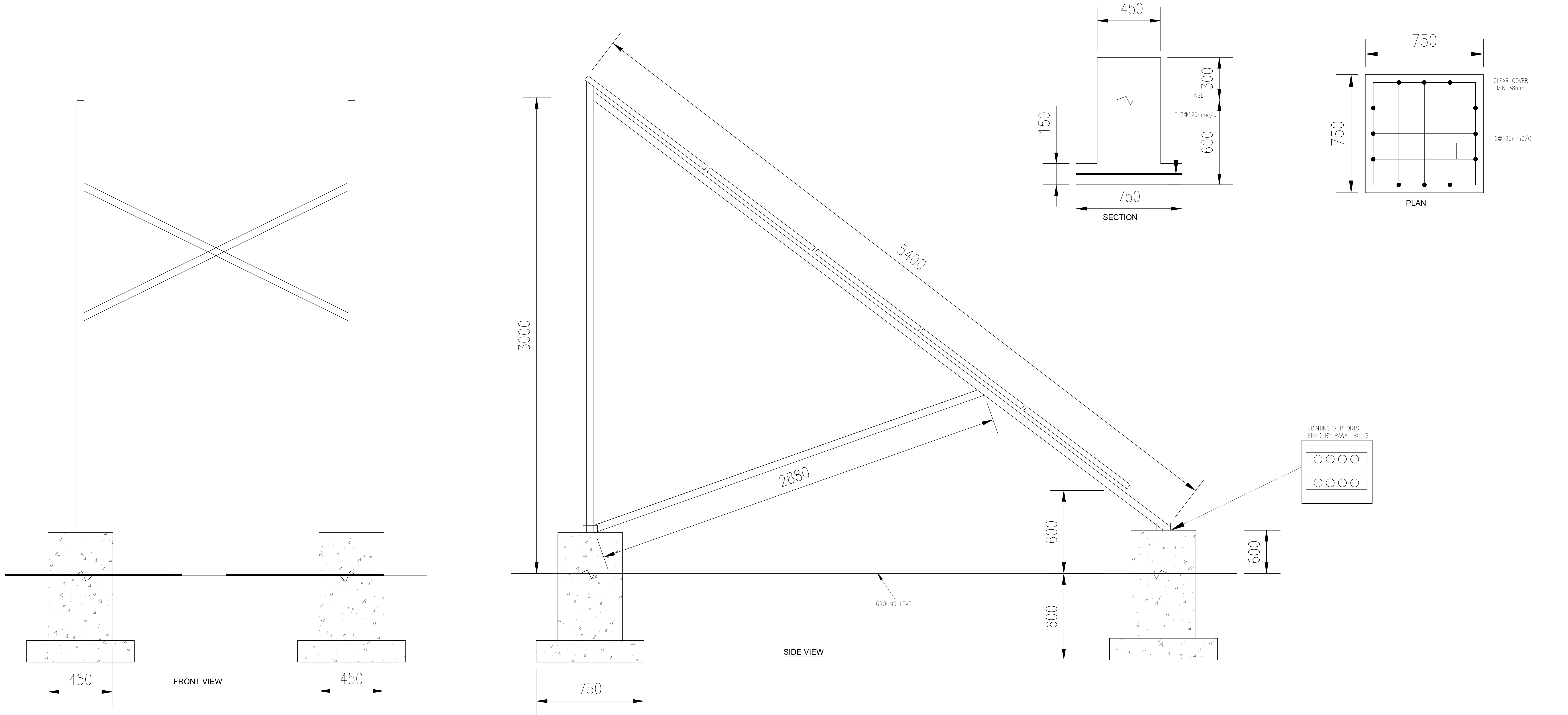
|                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                            |                                                                                                            |                             |                   |     |          |    |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------|-----|----------|----|------|
| <div>CLIENT :</div> <div></div> <div>PUBLIC HEALTH ENGINEERING<br/>DEPARTMENT KHYBER<br/>PAKHTUNKHWA</div> | <div>CONSULTANT:</div> <div> <b>Techno-Consult</b><br/><i>International</i></div> <div> <b>Ultimate</b><br/>Engineering<br/>Consultants<br/><small>New Era of Development</small></div> | <div>PROJECT:</div> <div>KPRIISP – DESIGN REVIEW AND CONSTRUCTION<br/>SUPERVISION FOR WATER SUPPLY, SEWERAGE,<br/>DRAINAGE AND WASTE WATER TREATMENT<br/>PROJECT IN NEWLY MERGED DISTRICTS OF<br/>KHYBER PAKHTUNKHWA</div> | <div>DRAWING TITLE :</div> <div>EXISTING REHAB SCHEMES<br/>DISTRICT MOHMAND<br/>SOLAR PUMPING SYSTEM</div> | Designed By : ATIQ HASSAN   | Date : FEB 2026   | No. | Revision | By | Date |
|                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                            |                                                                                                            | Drawn By : NAEEM BAKHSH     | Scale : N.T.S     |     |          |    |      |
|                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                            |                                                                                                            | Checked By : RABEEA REHMAN  | Drawing No :      |     |          |    |      |
|                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                            |                                                                                                            | Approved By : RABEEA REHMAN | KPR/REH/BJD/-2201 |     |          |    |      |

NOTE:  
FAULT CURRENT RATING OF ALL PROTECTIVE  
DEVICE I.E MCB, SURGE ARRESTER AND  
MCCB SHOULD BE SAME



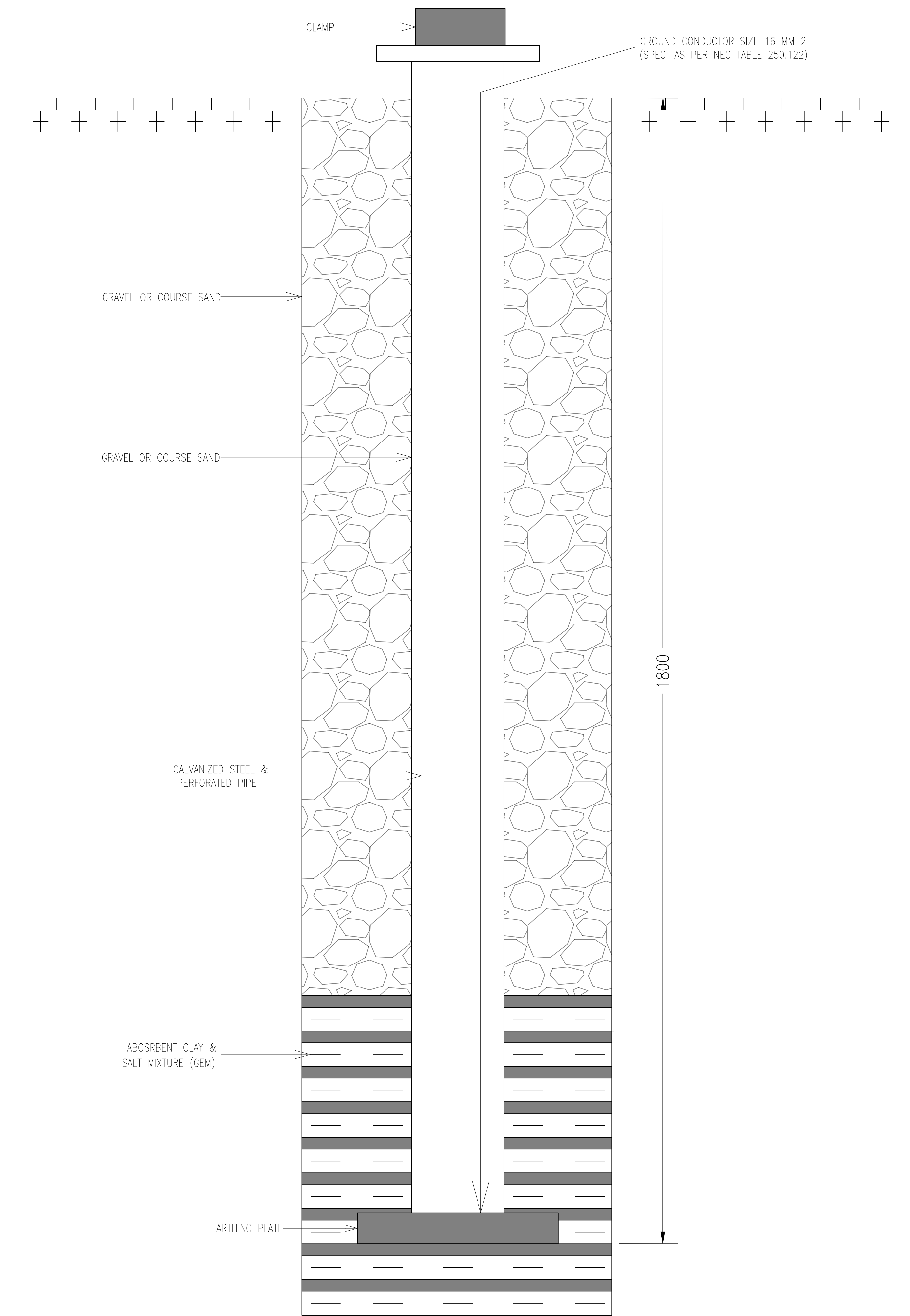
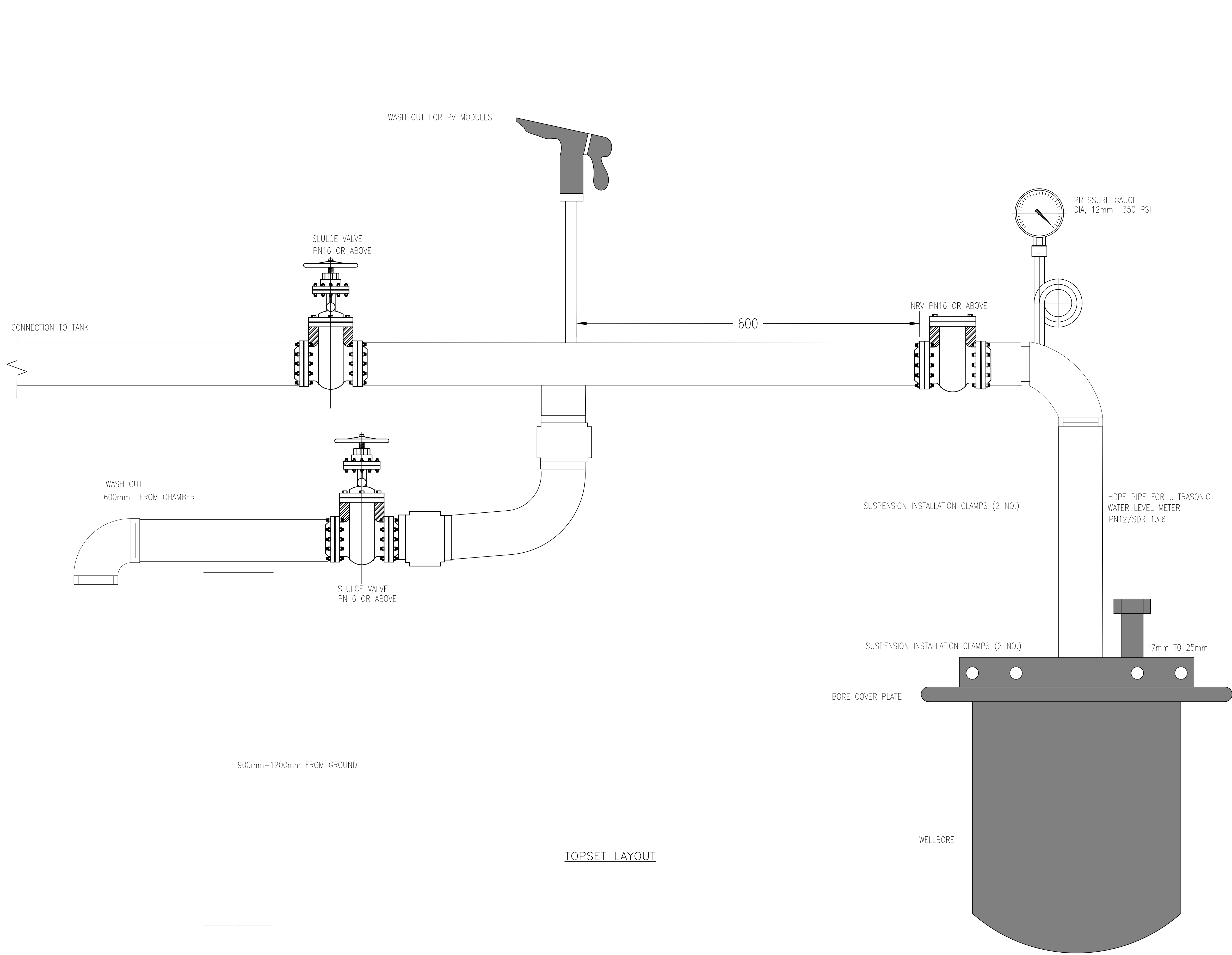
| LEGENDS |  |                    |
|---------|--|--------------------|
| 1       |  | NUT/BOLT           |
| 2       |  | LUG / SLEEVE       |
| 3       |  | COPPER BUS-BAR     |
| 4       |  | MCB 15A            |
| 5       |  | SURGE-ARRESTER     |
| 6       |  | DC CIRCUIT BREAKER |
| 7       |  | EARTH PIT          |
| 8       |  | CABLE CONNECTOR    |

|                                                                                                            |                                                                                                                                                                                               |                                                                                                                                                                                                                            |                                                                                                                                   |                             |                   |     |          |    |      |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------|-----|----------|----|------|
| <div>CLIENT :</div> <div></div> <div>PUBLIC HEALTH ENGINEERING<br/>DEPARTMENT KHYBER<br/>PAKHTUNKHWA</div> | <div>CONSULTANT:</div> <div></div> <div><b>Techno-Consult<br/>International</b> <b>JV</b><br/><b>Ultimate<br/>Engineering<br/>Consultants</b><br/><small>New Era of Development</small></div> | <div>PROJECT:</div> <div>KPRIISP – DESIGN REVIEW AND CONSTRUCTION<br/>SUPERVISION FOR WATER SUPPLY, SEWERAGE,<br/>DRAINAGE AND WASTE WATER TREATMENT<br/>PROJECT IN NEWLY MERGED DISTRICTS OF<br/>KHYBER PAKHTUNKHWA</div> | <div>DRAWING TITLE :</div> <div>EXISTING REHAB SCHEMES<br/>DISTRICT BAJAUR<br/>JUNCTION/COMBINER BOX<br/>SCHEMATICS DIAGRAM</div> | Designed By : ATIQ HASSAN   | Date : FEB 2026   | No. | Revision | By | Date |
|                                                                                                            |                                                                                                                                                                                               |                                                                                                                                                                                                                            |                                                                                                                                   | Drawn By : NAEEM BAKHSH     | Scale : N.T.S     |     |          |    |      |
|                                                                                                            |                                                                                                                                                                                               |                                                                                                                                                                                                                            |                                                                                                                                   | Checked By : RABEEA REHMAN  | Drawing No :      |     |          |    |      |
|                                                                                                            |                                                                                                                                                                                               |                                                                                                                                                                                                                            |                                                                                                                                   | Approved By : RABEEA REHMAN | KPR/REH/BJD/-2202 |     |          |    |      |



- NOTES:
1. USE 12 SWG HOT DIPPED GALVANIZED FOR C CHANNEL
  2. USE 8 SWG HOT DIPPED GALVANIZED FOR ANGLE IRON
  3. 450mmX 450mmX 900mm FOR SINGLE LEG
  4. 450mmX 750mm X 900mm FOR DOUBLE LEG
  5. WITH 300mm CONCRETE ABOVE NSL
  6. AND 600 IN THE GROUND IN RATIO 1:2:4
  7. USE M10 NUTS AND BOLTS FOR JOINTING

|                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                         |                                                                                       |                             |                   |     |          |    |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------|-------------------|-----|----------|----|------|
| CLIENT :                                                                                                                                                       | CONSULTANT:                                                                                                                                                                                                                                                                                                              | PROJECT:                                                                                                                                                                                | DRAWING TITLE :                                                                       | Designed By : ATIQ HASSAN   | Date : FEB 2026   | No. | Revision | By | Date |
|  <div>PUBLIC HEALTH ENGINEERING<br/>DEPARTMENT KHYBER<br/>PAKHTUNKHWA</div> |  <div>Techno-Consult<br/>International</div> <div>JV</div>  <div>Ultimate<br/>Engineering<br/>Consultants</div> <div>New Era of Development</div> | KPRIISP – DESIGN REVIEW AND CONSTRUCTION<br>SUPERVISION FOR WATER SUPPLY, SEWERAGE,<br>DRAINAGE AND WASTE WATER TREATMENT<br>PROJECT IN NEWLY MERGED DISTRICTS OF<br>KHYBER PAKHTUNKHWA | EXISTING REHAB SCHEMES<br>DISTRICT BAJAUR<br><br>PV STRUCTURE INSTALLATION<br>DRAWING | Drawn By : NAEEM BAKHSH     | Scale : N.T.S     |     |          |    |      |
|                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                         |                                                                                       | Checked By : RABEEA REHMAN  | Drawing No :      |     |          |    |      |
|                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                         |                                                                                       | Approved By : RABEEA REHMAN | KPR/REH/BJD/-2203 |     |          |    |      |
|                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                         |                                                                                       |                             |                   |     |          |    |      |



LAYOUT FOR EARTHING GROUNDING

|                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                         |  |                                                                                               |  |                             |  |                   |  |     |  |          |  |    |  |      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|-----------------------------|--|-------------------|--|-----|--|----------|--|----|--|------|--|
| CLIENT :                                                                                                                                                                  |  | CONSULTANT:                                                                                                                                                                                                                                                                                                                              |  | PROJECT:                                                                                                                                                                                |  | DRAWING TITLE :                                                                               |  | Designed By : ATIQ HASSAN   |  | Date : FEB 2026   |  | No. |  | Revision |  | By |  | Date |  |
| <div></div> <div>PUBLIC HEALTH ENGINEERING<br/>DEPARTMENT KHYBER<br/>PAKHTUNKHWA</div> |  | <div></div> <div>Techno-Consult<br/>International</div> <div></div> <div>Ultimate<br/>Engineering<br/>Consultants<br/><small>New Era of Development</small></div> |  | KPRIISP – DESIGN REVIEW AND CONSTRUCTION<br>SUPERVISION FOR WATER SUPPLY, SEWERAGE,<br>DRAINAGE AND WASTE WATER TREATMENT<br>PROJECT IN NEWLY MERGED DISTRICTS OF<br>KHYBER PAKHTUNKHWA |  | EXISTING REHAB SCHEMES<br>DISTRICT BAJAUR<br><br>EARTHING /GROUNDING DRAWING<br>TOPSET LAYOUT |  | Drawn By : NAEEM BAKHSH     |  | Scale : N.T.S     |  |     |  |          |  |    |  |      |  |
|                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                         |  |                                                                                               |  | Checked By : RABEEA REHMAN  |  | Drawing No :      |  |     |  |          |  |    |  |      |  |
|                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                         |  |                                                                                               |  | Approved By : RABEEA REHMAN |  | KPR/REH/BJD/-2204 |  |     |  |          |  |    |  |      |  |