



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 DRINKING  
WATER SUPPLY SCHEMES**

**LARA DAGAI SALARZAI, CHARGORAI SALARZAI, BADI ZAGHAN,  
BANDAGAI SHUKRATA, & KANDARO UTMAN KHEL 1, TEHSIL MAMUND  
DISTRICT BAJAUR**

**RFQ No. BJ-CW-R-02**

**B I D D R A W I N G S**



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International**

JV



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Consultants  
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# LIST OF DRAWINGS

## LOCATION PLAN

NO.	DRAWING NO.	TITLE
1	KPR/REH/BJ-CW-R-03	LOCATION PLAN

## WATER COMPONENT ( REHABILITATION )

### LAYOUT MAPS

NO.	DRAWING NO.	TITLE
1	KPR/REH/BJD-2021	LAYOUT MAP ( DWSS LARA DAGAI SALARZAI )
2	KPR/REH/BJD-2022	LAYOUT MAP ( DWSS CHARGORAI SALARZAI )
3	KPR/REH/BJD-2023	LAYOUT MAP ( DWSS BADI ZAGHAN )
4	KPR/REH/BJD-2024	LAYOUT MAP ( DWSS BANDAGAI SHUKRATA )
5	KPR/REH/BJD-2025	LAYOUT MAP ( DWSS KANDARO UTMAN KHEL )

## ARCHITECTURAL & STRUCTURAL DRAWINGS

### CHAMBER ROOM DRAWINGS

NO.	DRAWING NO.	TITLE
1	KPR/REH/BJD/-2103	CHAMBER ROOM PLAN & ELEVATION
2	KPR/REH/BJD/-2104	CHAMBER ROOM DETAILS
3	KPR/REH/BJD/-2105	CHAMBER ROOM DETAILS
4	KPR/REH/BJD/-2106	REINFORCEMENT DETAILS

### VALVE CHAMBER DRAWINGS

1	KPR/REH/BJD-2107	PLAN & SECTION
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CLIENT :



PUBLIC HEALTH  
ENGINEERING DEPARTMENT  
KHYBER PAKHTUNKHWA

CONSULTANT:



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PROJECT:

KPRIISP - DESIGN REVIEW AND  
CONSTRUCTION SUPERVISION FOR  
WATER SUPPLY, SEWERAGE, DRAINAGE  
AND WASTE WATER TREATMENT  
PROJECT IN NEWLY MERGED DISTRICTS  
OF KHYBER PAKHTUNKHWA

DRAWING TITLE :

LIST OF DRAWING

Designed By : Dr. ASFAHAN ALI

Date : FEB 2026

Drawn By : NAEEM BAKHSH

Scale : N.T.S

Checked By : RABEEA REHMAN

Drawing No :

Approved By : RABEEA REHMAN

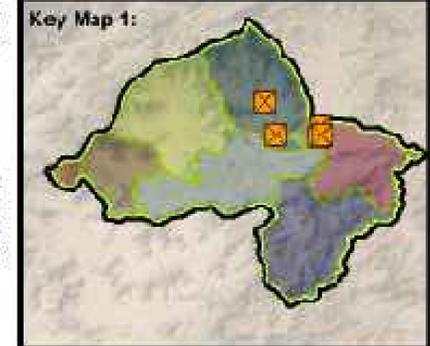
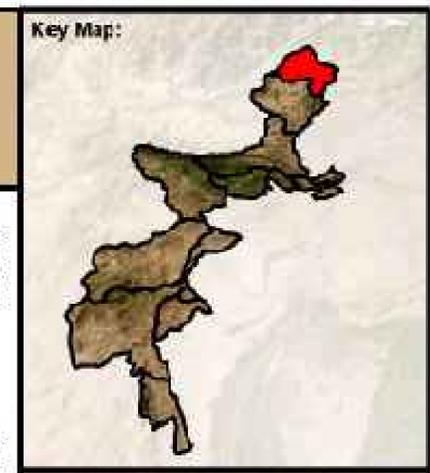
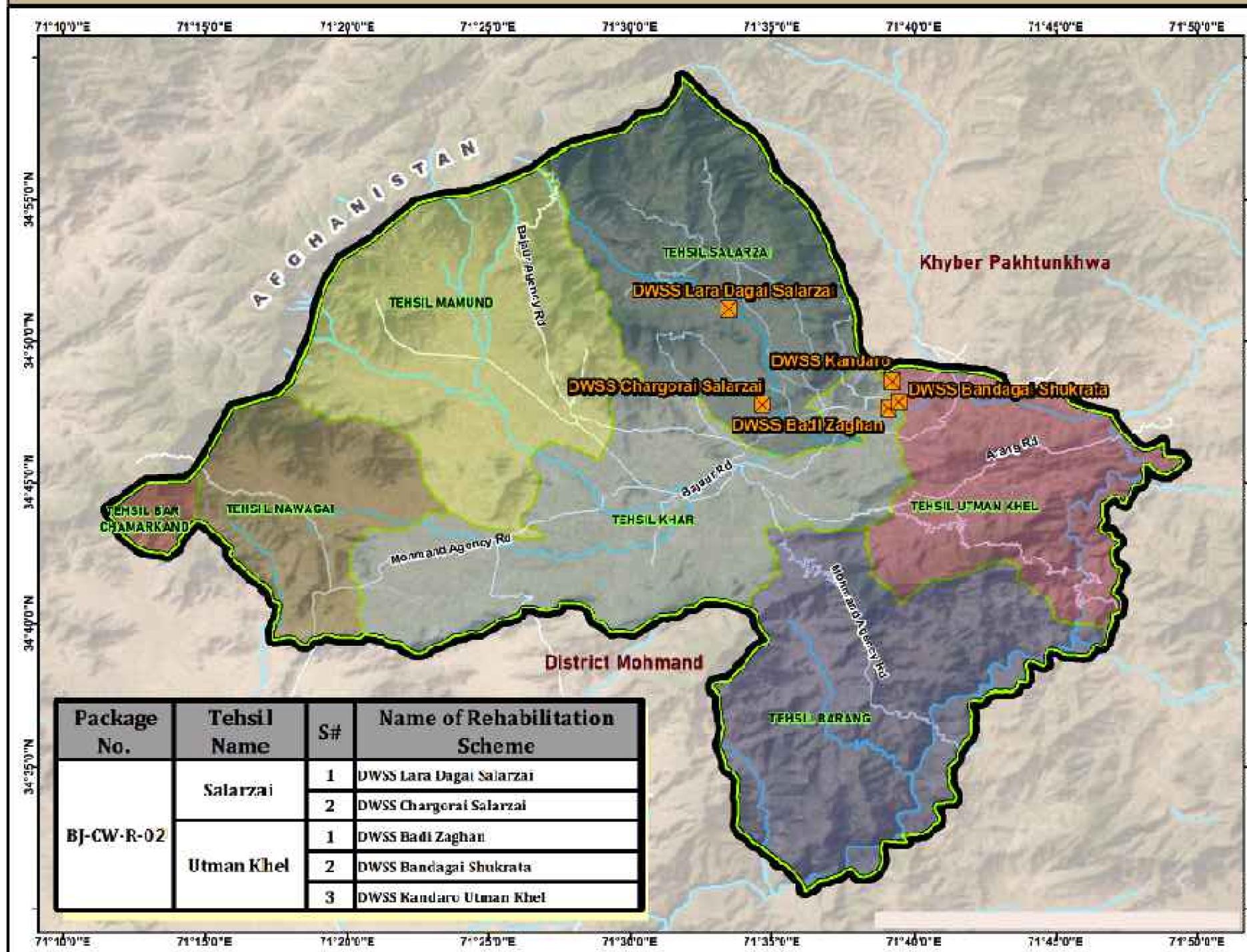
No.

Revision

By

Date

# DWSS REHABILITATION GOVERNMENT SCHEMES CIVIL WORKS PACKAGE NO - BJ-CW-R-02 - DISTRICT BAJAUR



**Legend :**

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

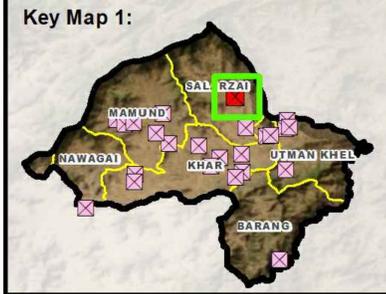
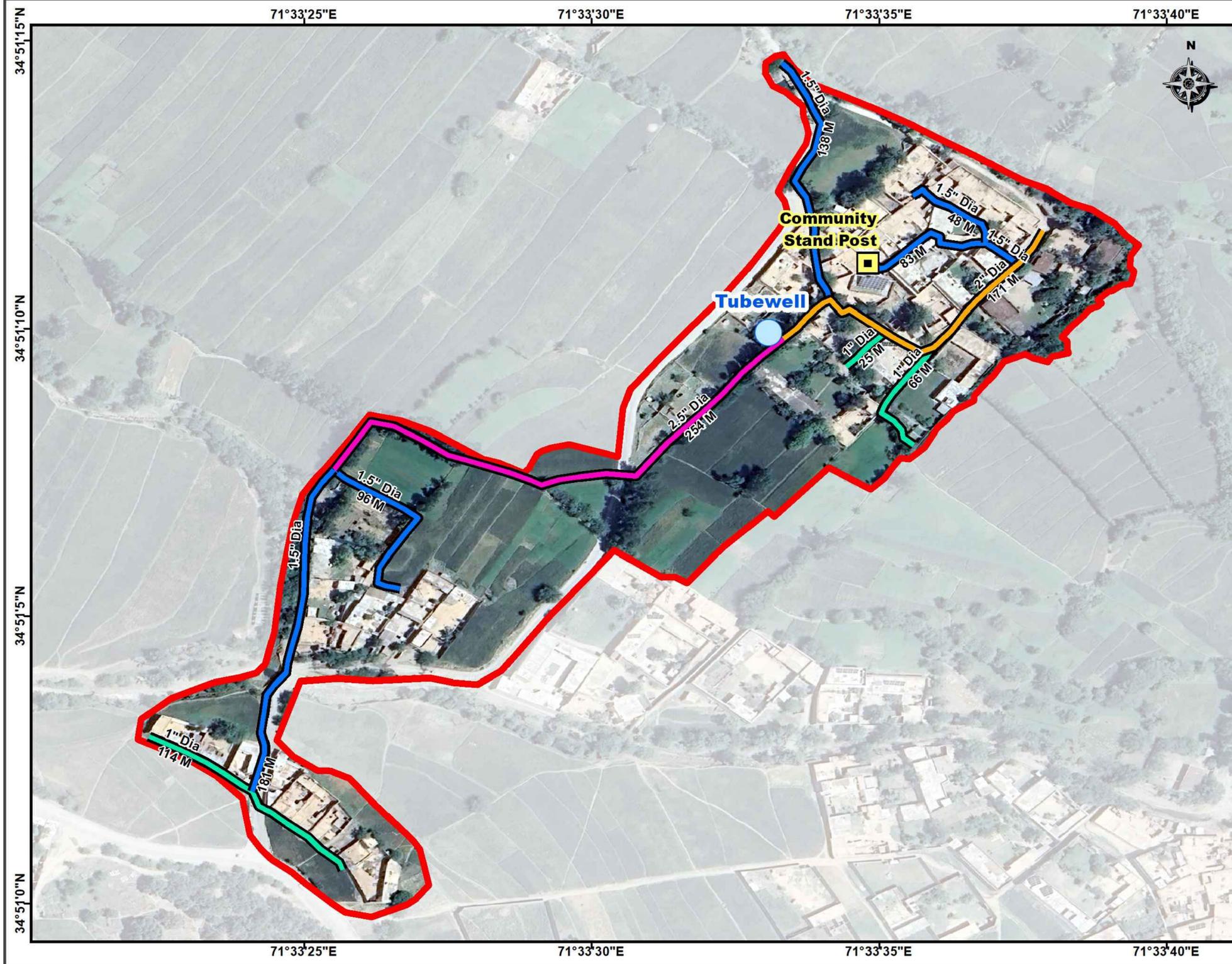


**Consultants :**

Package No.	Tehsil Name	S#	Name of Rehabilitation Scheme
BJ-CW-R-02	Salarzai	1	DWSS Lara Dagai Salarzai
		2	DWSS Chargo Rai Salarzai
	Utman Khel	1	DWSS Badi Zaghan
		2	DWSS Bandagai Shukrata
		3	DWSS Kandaro Utman Khel

# Distribution Network Layout

## DWSS Lara Dagai Salazia Rehabilitation Scheme - District Bajaur



**Legend :**

- Tubewell
- Community Stand Post

**Replacement Pipeline**

- 1" Dia HDPE
- 1.5" Dia HDPE
- 2" Dia HDPE
- 2.5" Dia HDPE
- Lara Dagai Salazia Boundary

**Scale :**

Scale - 1Cm = 20M

**Consultants :**

<p>CLIENT :</p> <p style="text-align: center;">PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA</p>	<p>CONSULTANT:</p> <p style="text-align: center;"><b>JV</b> Techno-Consult International Ultimate Engineering Consultants <small>New Era of Development</small></p>	<p>PROJECT:</p> <p>KPRIISP - DESIGN REVIEW AND CONSTRUCTION SUPERVISION FOR WATER SUPPLY, SEWERAGE, DRAINAGE AND WASTE WATER TREATMENT PROJECT IN NEWLY MERGED DISTRICTS OF KHYBER PAKHTUNKHWA</p>	<p>DRAWING TITLE :</p> <p style="text-align: center;">WATER COMP. LAYOUT MAP</p> <p style="text-align: center;">DWSS LARA DAGAI SALAZIA</p>	<p>Designed By : Dr. ASFAHAN ALI</p> <p>Drawn By : NAEEM BAKHSH</p> <p>Checked By : RABEEA REHMAN</p> <p>Approved By : RABEEA REHMAN</p>	<p>Date : FEB 2026</p> <p>Scale : N.T.S</p> <p>Drawing No : KPR/REH/BJD-2021</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Revision	By	Date												
No.	Revision	By	Date																			

## Distribution Network Layout DWSS Chargorai Salarzai Rehabilitation Scheme - District Bajaur



Key Map 1:



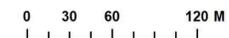
Key Map 2:



Legend :

- Tubewell
- Ground Surface Tank (GST)
- Replacement Pipeline**
- 1" Dia HDPE
- 1.5" Dia HDPE
- 2" Dia HDPE
- Existing Pipeline**
- 1", 3" Dia GI
- Chargorai Salarzai Boundary

Scale :



Consultants :



CLIENT :



CONSULTANT:



PROJECT:

KPRIISP - DESIGN REVIEW AND CONSTRUCTION SUPERVISION FOR WATER SUPPLY, SEWERAGE, DRAINAGE AND WASTE WATER TREATMENT PROJECT IN NEWLY MERGED DISTRICTS OF KHYBER PAKHTUNKHWA

DRAWING TITLE :

WATER COMP.  
LAYOUT MAP  
  
DWSS CHARGORAI  
SALARZAI

Designed By : Dr. ASFAHAN ALI

Date : FEB 2026

Drawn By : NAEEM BAKHSH

Scale : N.T.S

Checked By : RABEEA REHMAN

Drawing No :

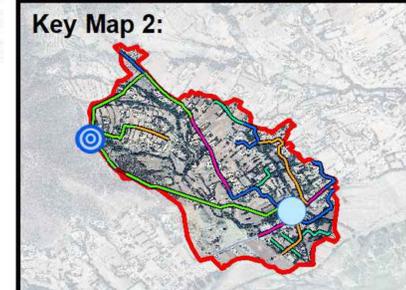
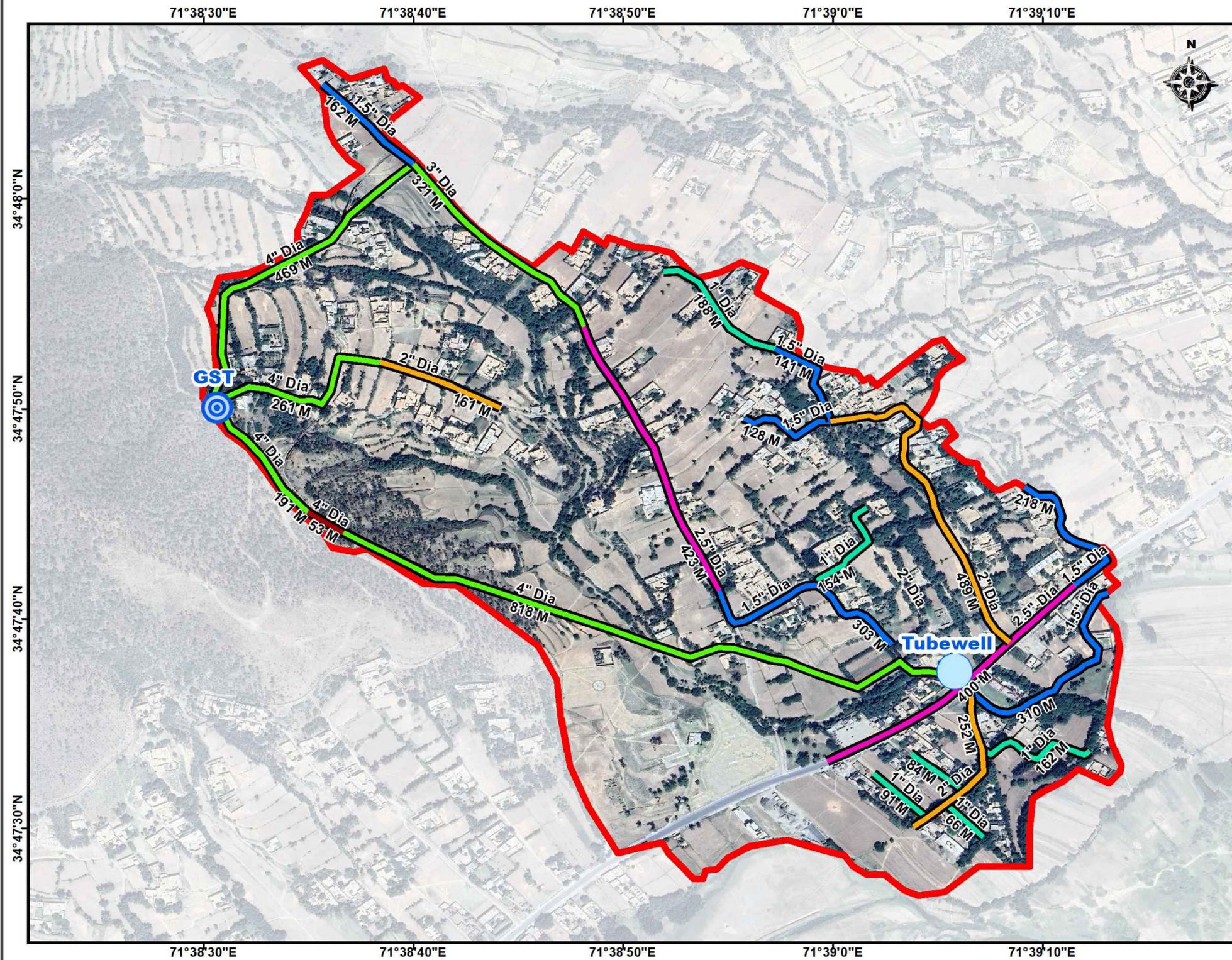
Approved By : RABEEA REHMAN

KPR/REH/BJD/-2022

No.	Revision	By	Date

# Distribution Network Layout

## DWSS Badi Zaghan Utman Khel Rehabilitation Scheme - District Bajaur



**Legend :**

- Tubewell
- ◎ Ground Surface Tank (GST)
- Existing Pipeline**
- 3", 4" Dia GI
- Replacement Pipeline**
- 1" Dia HDPE
- 1.5" Dia HDPE
- 2" Dia HDPE
- 2.5" Dia HDPE
- 4" Dia GI
- Badi Zaghan Boundary

**Scale :**

Scale - 1 cm = 45M

0   45   90   180 M

**Consultants :**

**Techno-Consult International**

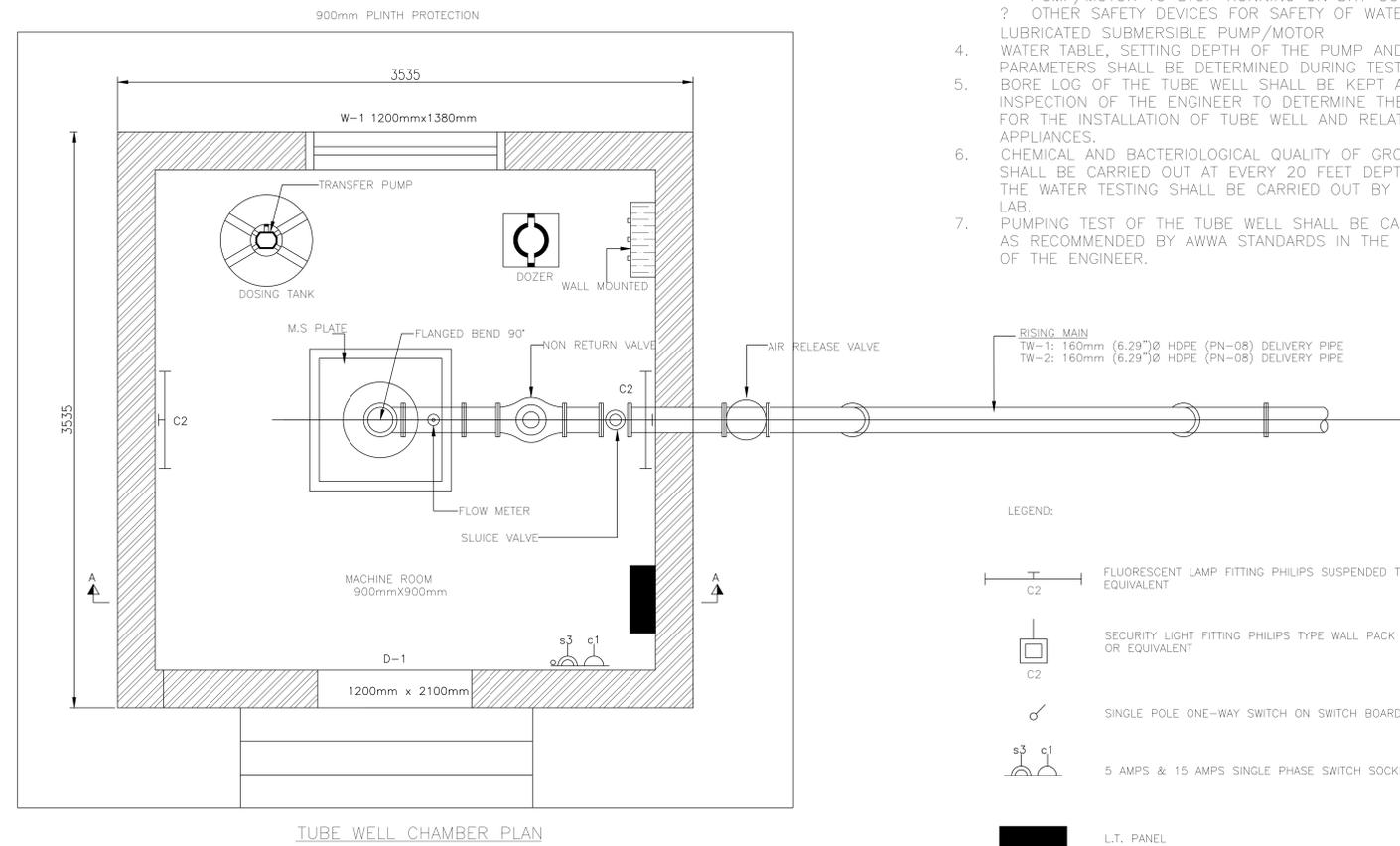
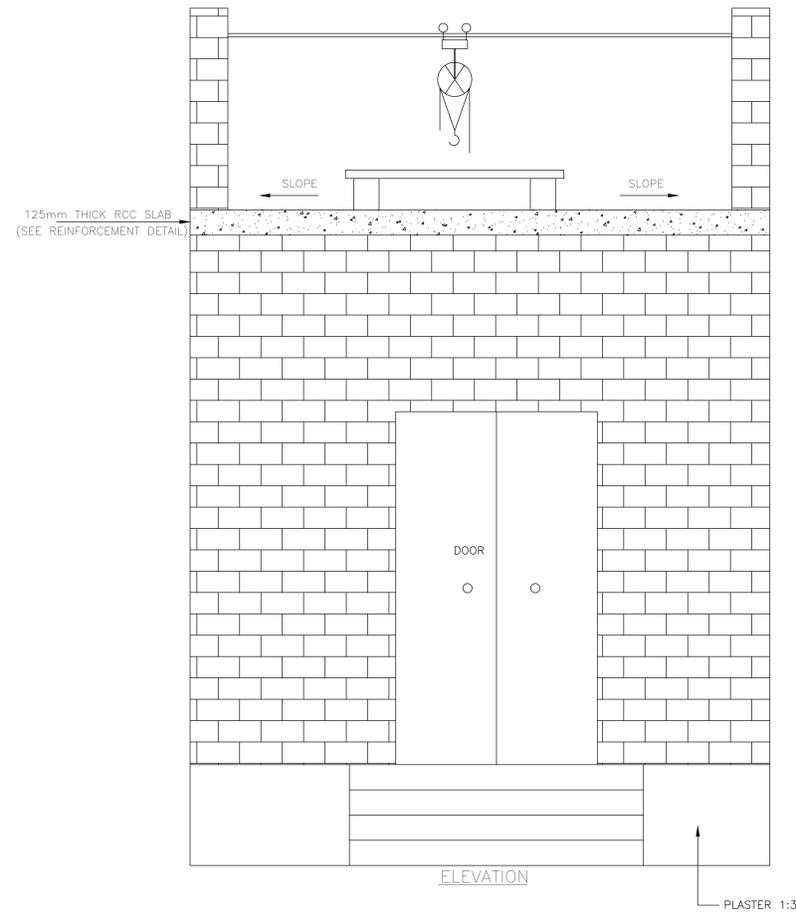
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New Era of Development

<p>CLIENT :</p> <p style="text-align: center;">PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA</p>	<p>CONSULTANT:</p> <p style="text-align: center;"><b>JV</b> <b>Techno-Consult International</b> <b>Ultimate Engineering Consultants</b> New Era of Development</p>	<p>PROJECT:</p> <p>KPRIISP - DESIGN REVIEW AND CONSTRUCTION SUPERVISION FOR WATER SUPPLY, SEWERAGE, DRAINAGE AND WASTE WATER TREATMENT PROJECT IN NEWLY MERGED DISTRICTS OF KHYBER PAKHTUNKHWA</p>	<p>DRAWING TITLE :</p> <p style="text-align: center;">WATER COMP. LAYOUT MAP</p> <p style="text-align: center;">DWSS BADI ZAGHAN UTMAN KHEL</p>	<p>Designed By : Dr. ASFAHAN ALI</p> <p>Drawn By : NAEEM BAKHSH</p> <p>Checked By : RABEEA REHMAN</p> <p>Approved By : RABEEA REHMAN</p>	<p>Date : FEB 2026</p> <p>Scale : N.T.S</p> <p>Drawing No : KPR/REH/BJD/-2023</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Revision	By	Date												
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**CHAMBER ROOM**



**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
2. ALL TUBE WELL EQUIPMENT SHALL BE APPROVED BY THE ENGINEER PRIOR TO PROCUREMENT AND COMMENCEMENT OF WORKS.
3. WATER LUBRICATED SUBMERSIBLE PUMP/MOTOR SHALL BE EQUIPPED WITH THE FOLLOWING SAFETY DEVICES.
  - ? ANTI SINGLE PHASE DEVICE
  - ? NO VOLT RELEASE
  - ? SHUT DOWN DEVICES OF WATER LUBRICATED PUMP/MOTOR TO STOP RUNNING ON DRY CONDITIONS.
  - ? OTHER SAFETY DEVICES FOR SAFETY OF WATER LUBRICATED SUBMERSIBLE PUMP/MOTOR
4. WATER TABLE, SETTING DEPTH OF THE PUMP AND RELATED PARAMETERS SHALL BE DETERMINED DURING TEST BORE.
5. BORE LOG OF THE TUBE WELL SHALL BE KEPT AT SITE FOR INSPECTION OF THE ENGINEER TO DETERMINE THE LOCATION FOR THE INSTALLATION OF TUBE WELL AND RELATED APPLIANCES.
6. CHEMICAL AND BACTERIOLOGICAL QUALITY OF GROUND WATER SHALL BE CARRIED OUT AT EVERY 20 FEET DEPTH INTERVAL, THE WATER TESTING SHALL BE CARRIED OUT BY AUTHORIZED LAB.
7. PUMPING TEST OF THE TUBE WELL SHALL BE CARRIED OUT AS RECOMMENDED BY AWWA STANDARDS IN THE PRESENCE OF THE ENGINEER.

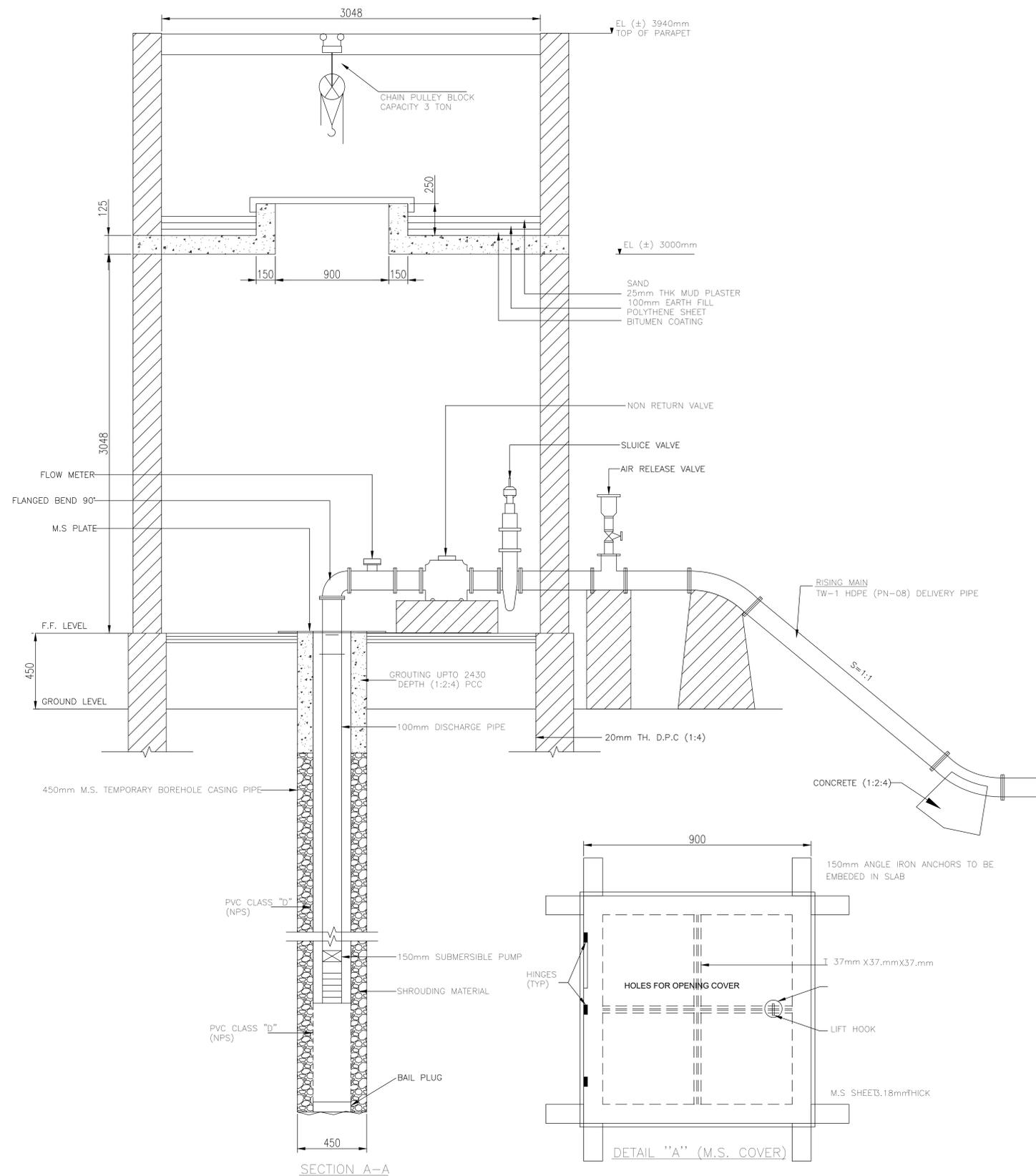
**LEGEND:**

-  C2 FLUORESCENT LAMP FITTING PHILIPS SUSPENDED TYPE GKD-140 OR EQUIVALENT
-  C2 SECURITY LIGHT FITTING PHILIPS TYPE WALL PACK / SON-70W CLASSIFICATION IP-55 OR EQUIVALENT
-  SINGLE POLE ONE-WAY SWITCH ON SWITCH BOARD
-  s3 c1 5 AMPS & 15 AMPS SINGLE PHASE SWITCH SOCKET SIDE BY SIDE AT 250 mm FROM FFI
-  L.T. PANEL
- s3 (s) STAND FOR SWITCH (3) FOR NO. OF SWITCHES

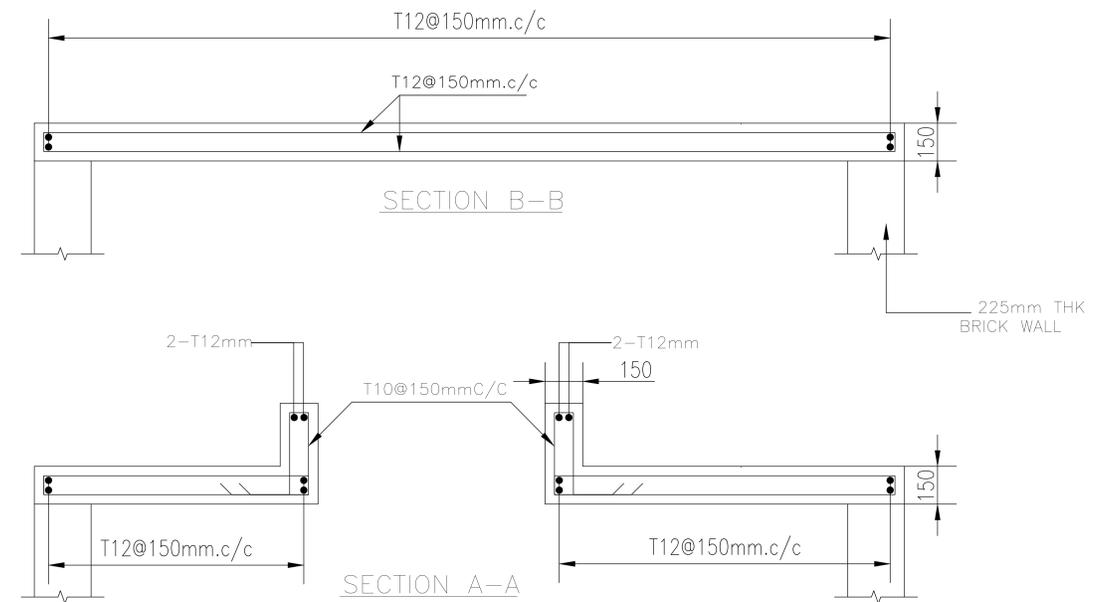
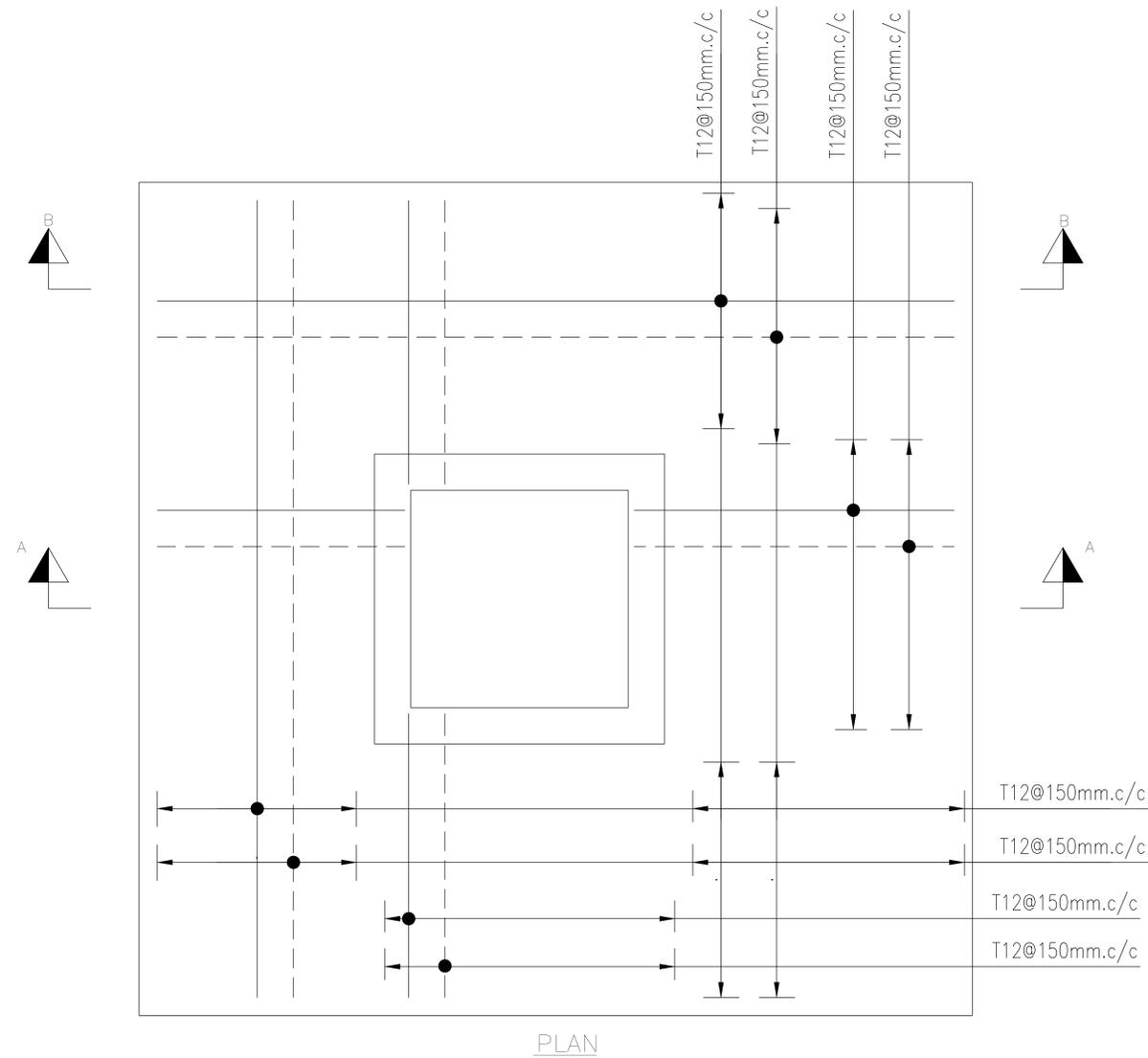
 <p>PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA</p>	 <p>Techno-Consult International</p>	 <p>Ultimate Engineering Consultants New Era of Development</p>	<p>PROJECT: KPRIISP - DESIGN REVIEW AND CONSTRUCTION SUPERVISION FOR WATER SUPPLY, SEWERAGE, DRAINAGE AND WASTE WATER TREATMENT PROJECT IN NEWLY MERGED DISTRICTS OF KHYBER PAKHTUNKHWA</p>	<p>DRAWING TITLE : EXISTING REHAB SCHEMES DISTRICT BAJAUR CHAMBER ROOM PLAN &amp; ELEVATION</p>	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	KPR/REH/BJD/-2103				

## NOTES:

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CLIENT :  

 PUBLIC HEALTH ENGINEERING  
 DEPARTMENT KHYBER  
 PAKHTUNKHWA

CONSULTANT:  

**Techno-Consult**  
*International* **JV**  

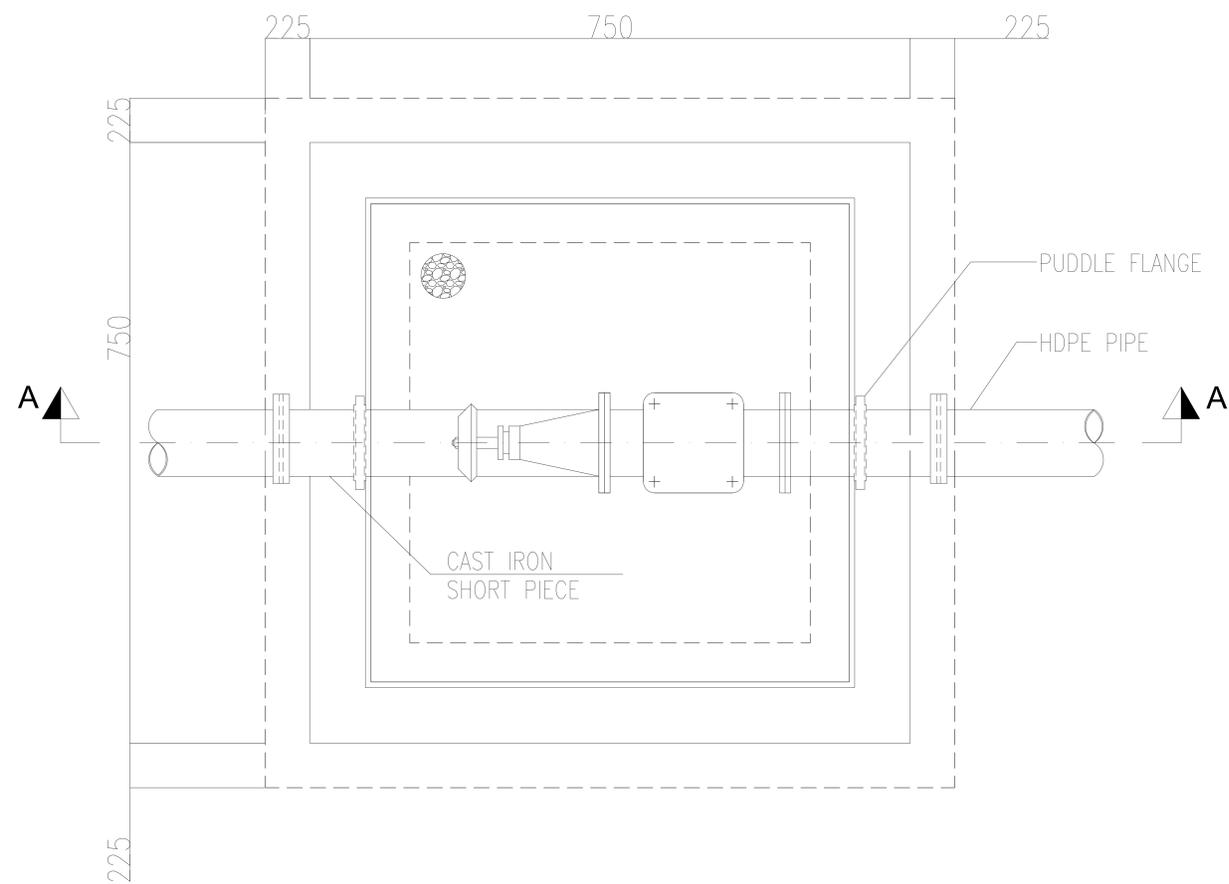
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PROJECT:  
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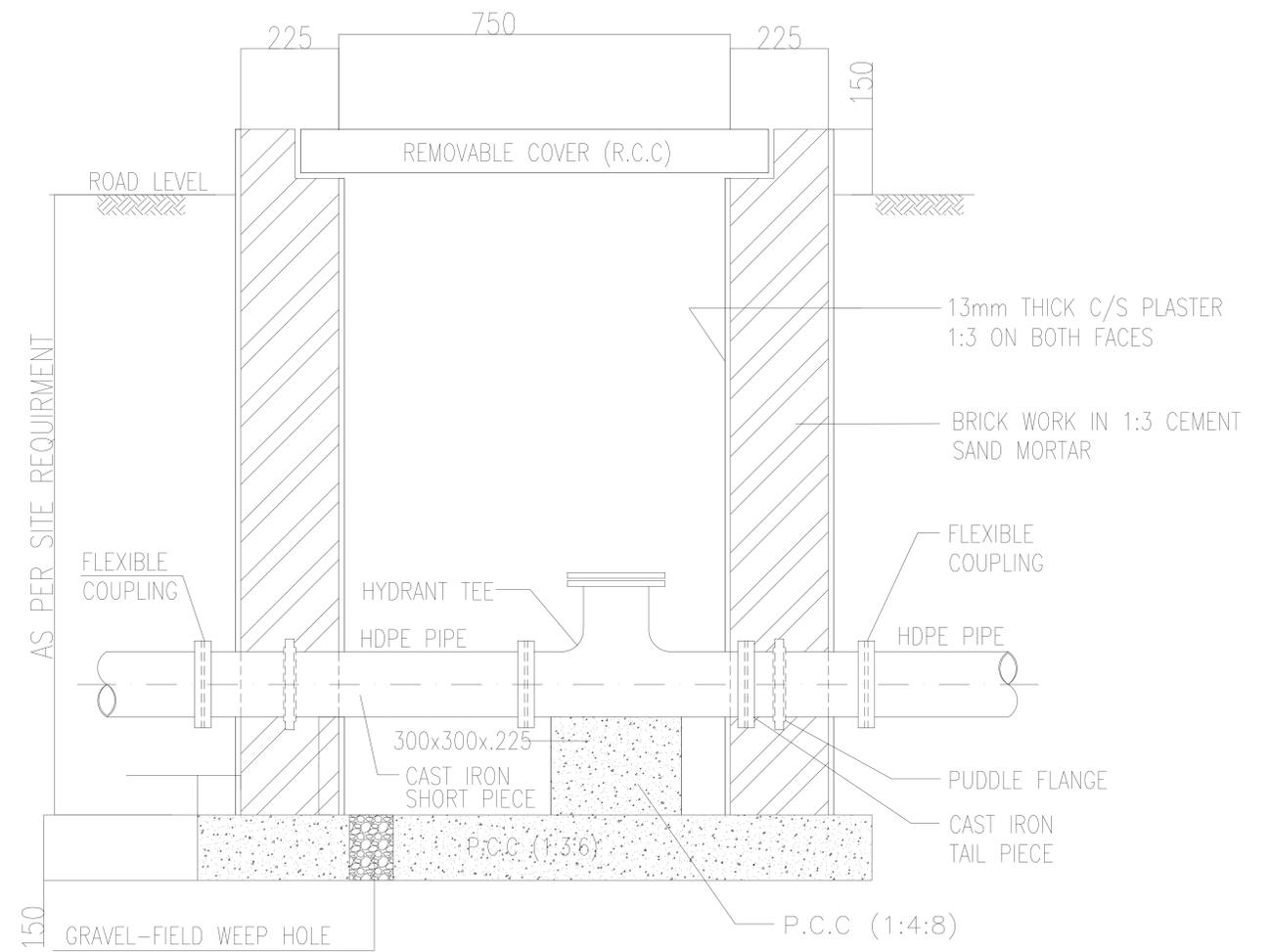
DRAWING TITLE :  
 EXISTING REHAB SCHEMES  
 DISTRICT BAJAUR  
 CHAMBER ROOM  
 REINFORCEMENT DETAILS

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	KPR/REH/BJD/-2106				

**VALVE CHAMBER**



SECTIONAL PLAN OF AIR VALVE CHAMBER



SECTION A-A

CLIENT :  

 PUBLIC HEALTH ENGINEERING  
 DEPARTMENT KHYBER  
 PAKHTUNKHWA

CONSULTANT:  

**Techno-Consult  
 International** **JV**  
**Ultimate  
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DRAWING TITLE :  
 EXISTING REHAB SCHEMES  
 DISTRICT BAJAUR  
 VALVE CHAMBER PLAN &  
 SECTION

Designed By : Dr. ASFAHAN ALI  
 Drawn By : NAEEM BAKHSH  
 Checked By : RABEEA REHMAN  
 Approved By : RABEEA REHMAN

Date : FEB 2026  
 Scale : N.T.S  
 Drawing No :  
 KPR/REH/BJD/-2107

No.	Revision	By	Date