



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)

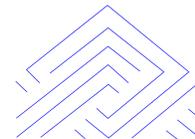
**REHABILITATION OF EXISTING DRINKING
WATER SUPPLY SCHEMES
SHINKOTAI, KHALOZAI, UMARAY, LAGHARAI MAMUND &
TARKHO MAMUND TEHSIL MAMUND
DISTRICT BAJAUR
RFQ No. BJ-CW-R-01**

B I D D R A W I N G S



**Techno-Consult
International**

JV



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New Era of Development

LIST OF DRAWINGS

LOCATION PLAN

NO.	DRAWING NO.	TITLE
1	KPR/REH/BJ-CW-R-01	LOCATION PLAN

WATER COMPONENT (REHABILITATION)

LAYOUT MAPS

NO.	DRAWING NO.	TITLE
1	KPR/REH/BJD-2021	LAYOUT MAP (DWSS SHINKOTAI MAMUND)
2	KPR/REH/BJD-2022	LAYOUT MAP (DWSS UMARAY MAMUND)
3	KPR/REH/BJD-2023	LAYOUT MAP (DWSS LARKHALOZAI MAMUND)
4	KPR/REH/BJD-2024	LAYOUT MAP (DWSS LAGHARAI MAMUND)
5	KPR/REH/BJD-2025	LAYOUT MAP (DWSS TARKHO MAMUND)

ARCHITECTURAL & STRUCTURAL DRAWINGS

CHOWKIDAR HUT DRAWINGS

NO.	DRAWING NO.	TITLE
1	KPR/REH/BJD-2101	GROUND FLOOR & ELECTRICAL PLAN ELEVATION & SECTION
2	KPR/REH/BJD-2102	STRUCTURAL 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

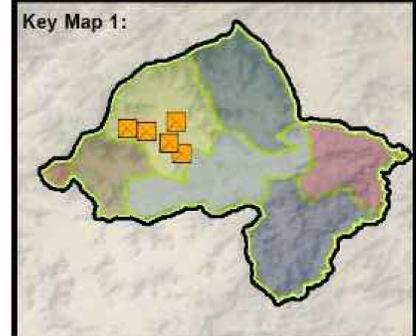
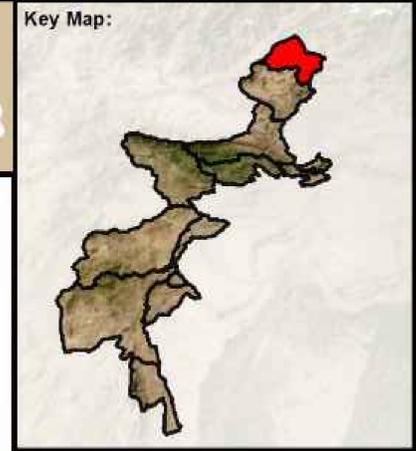
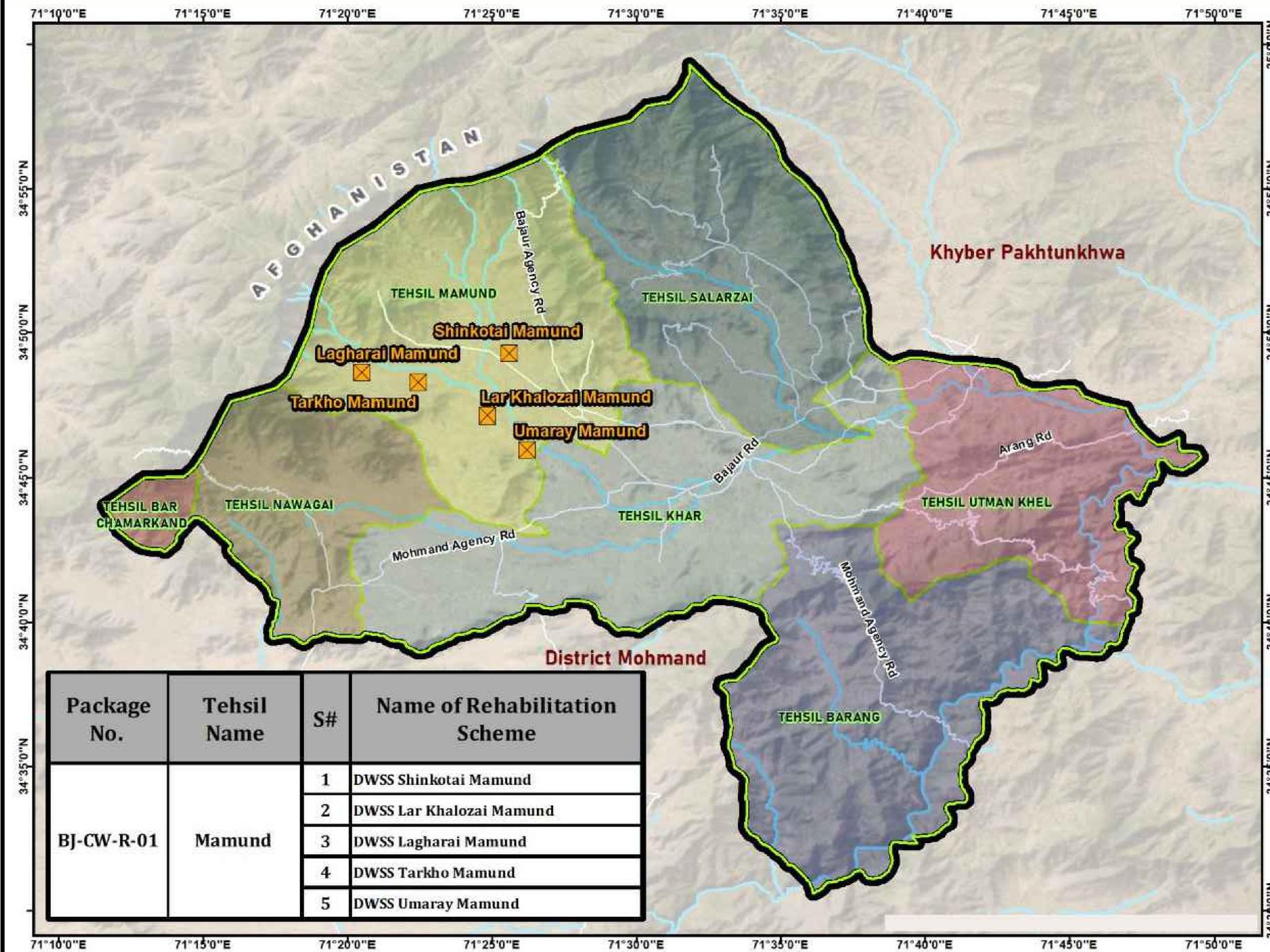
No.

Revision

By

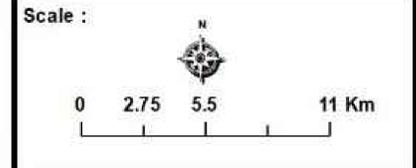
Date

DWSS REHABILITATION GOVERNMENT SCHEMES CIVIL WORKS PACKAGE NO - BJ-CW-R-01, MAMUND - DISTRICT BAJAUR



Legend :

- BJ-CW-R-01 Schemes
- District Boundary
- Tehsil Boundary
- Road Network
- River / Water Ways

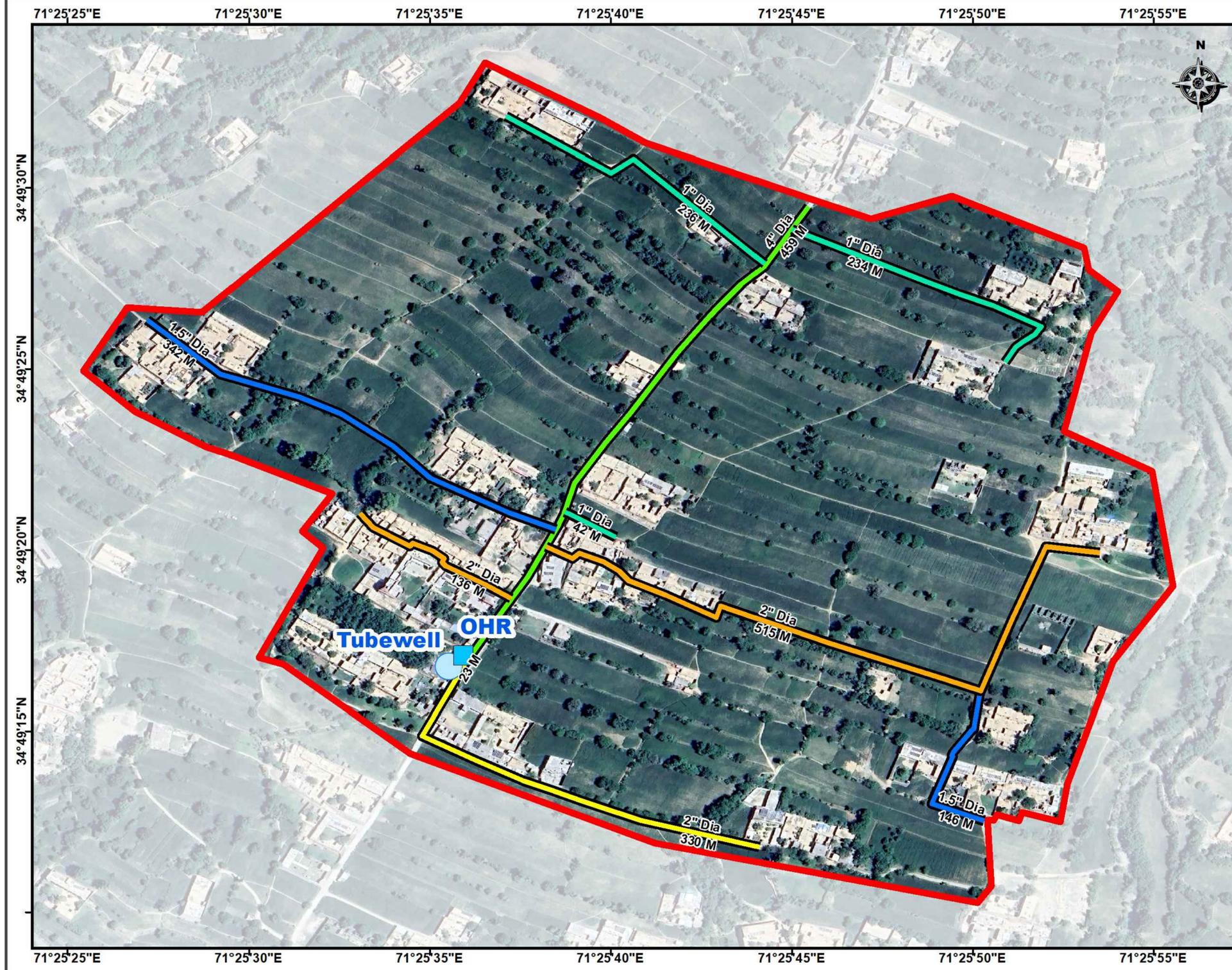


Consultants :

Package No.	Tehsil Name	S#	Name of Rehabilitation Scheme
BJ-CW-R-01	Mamund	1	DWSS Shinkotai Mamund
		2	DWSS Lar Khalozai Mamund
		3	DWSS Lagharai Mamund
		4	DWSS Tarkho Mamund
		5	DWSS Umaray Mamund

Distribution Network Layout

DWSS Shinkotai Mamund Rehabilitation Scheme - District Bajaur



Key Map 1:



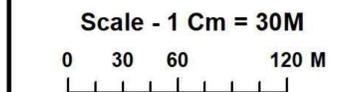
Key Map 2:



Legend :

- Tubewell
- OHR
- Replacement Pipeline**
 - 1" Dia GI
 - 1.5" Dia GI
 - 2" Dia GI
- Existing Pipeline**
 - 4" Dia GI
 - 2" Dia HDPE Damaged
- Shinkotai Mamund Boundary

Scale :



Consultants :



CLIENT :
**PUBLIC HEALTH
 ENGINEERING DEPARTMENT
 KHYBER PAKHTUNKHWA**

CONSULTANT:
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 PROJECT IN NEWLY MERGED DISTRICTS
 OF KHYBER PAKHTUNKHWA

DRAWING TITLE :
 WATER COMP.
 LAYOUT MAP
 DWSS SHINKOTAI MAMUND

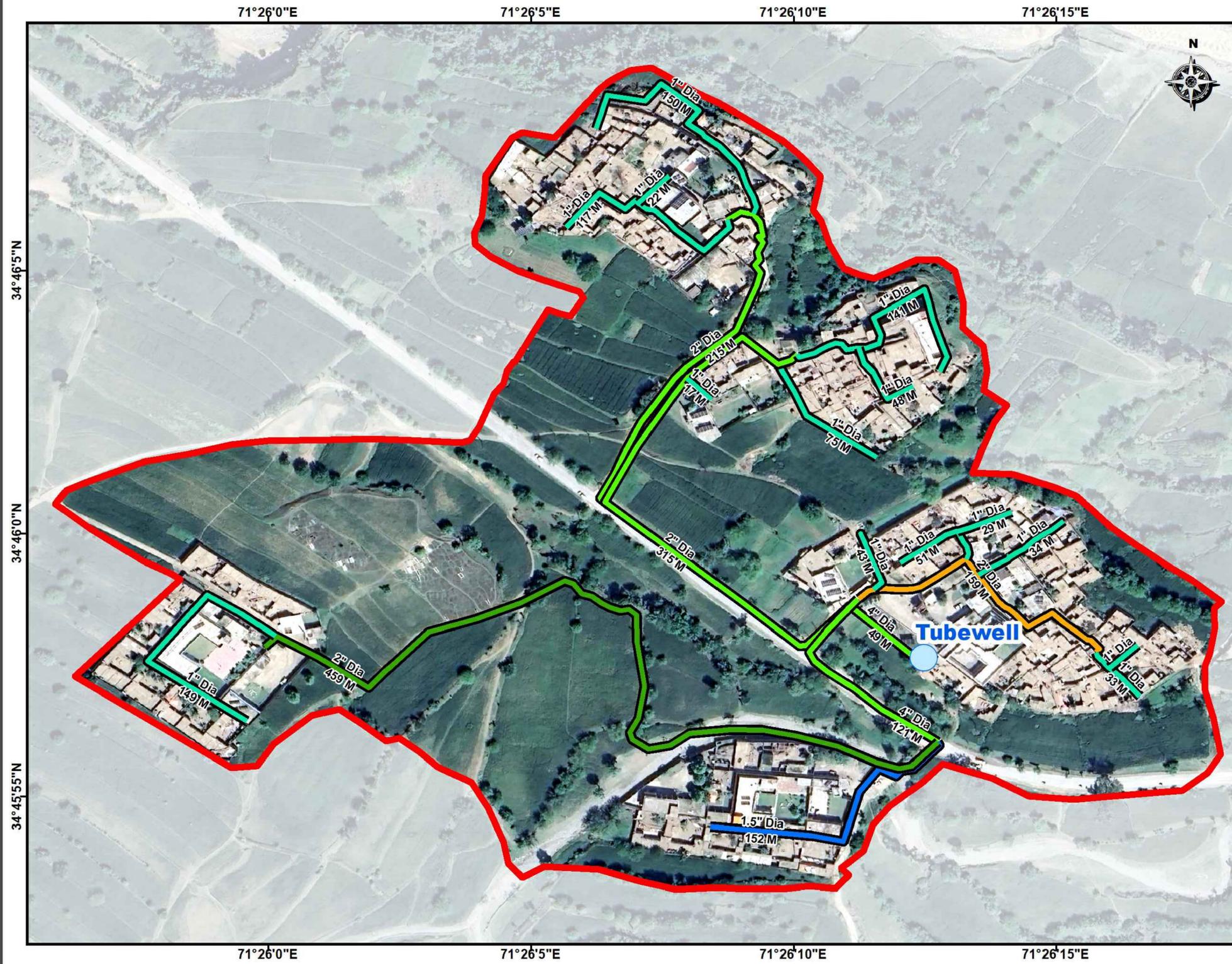
Designed By : Dr. ASFAHAN ALI
 Drawn By : NAEEM BAKHSH
 Checked By : RABEEA REHMAN
 Approved By : RABEEA REHMAN

Date : FEB 2026
 Scale : N.T.S
 Drawing No :
 KPR/REH/BJD/-2021

No.	Revision	By	Date

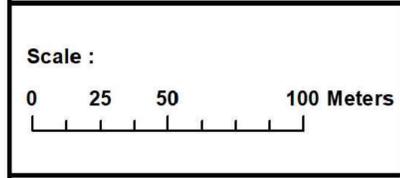
Distribution Network Layout

DWS Umaray Mamund Rehabilitation Scheme - District Bajaur



Legend :

- Tubewell
- OHR
- Replacement Pipeline**
 - 1" Dia GI
 - 1.5" Dia GI
 - 2" Dia GI
- Existing Pipeline**
 - 2", 4" Dia GI
 - 2" Dia HDPE
- Umaray Mamund Boundary

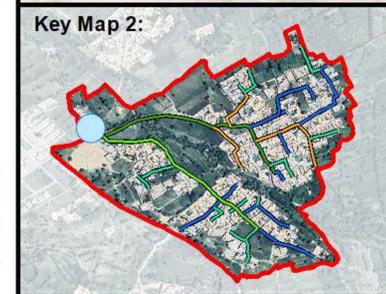
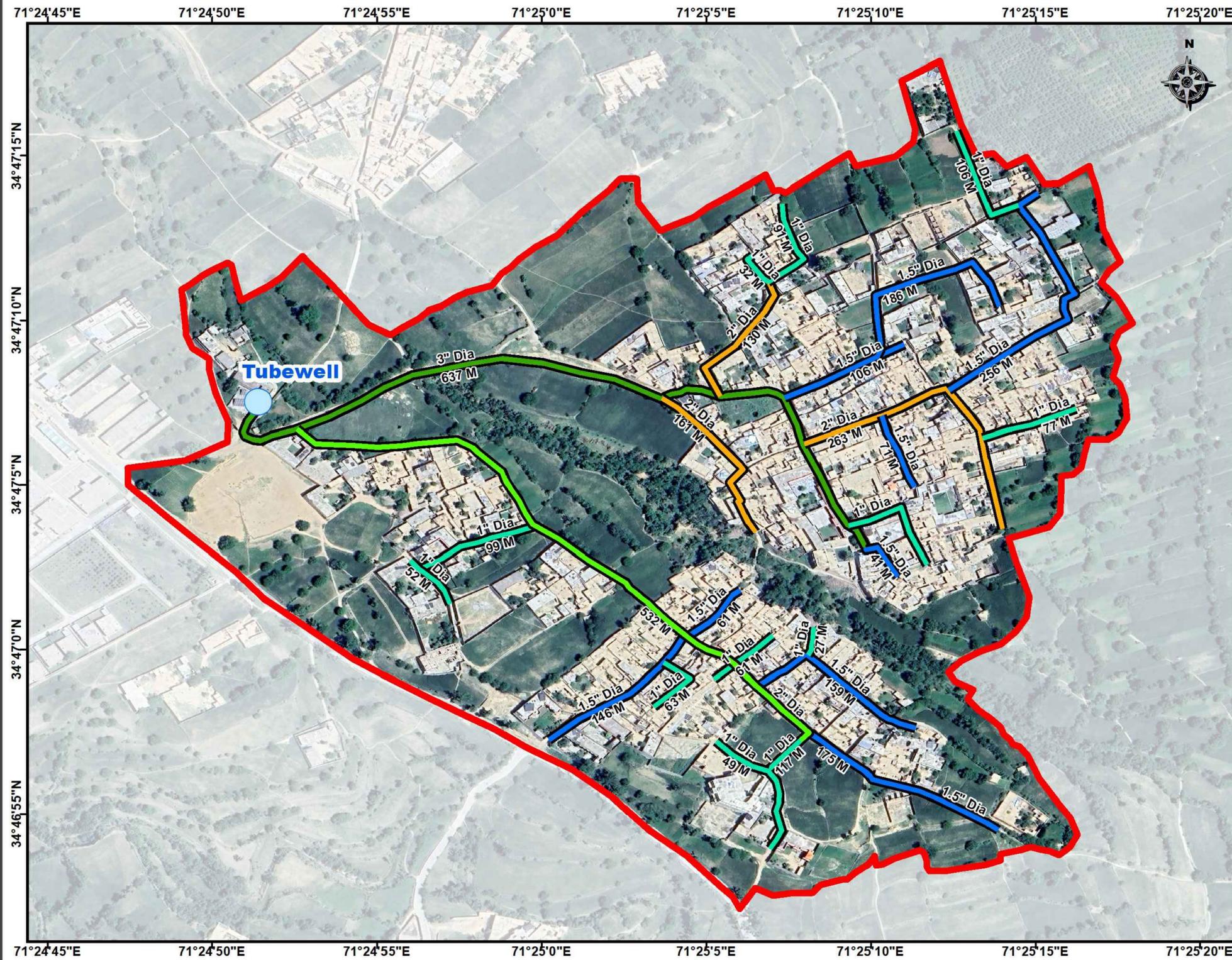


Consultants :

<p>CLIENT :</p> <p>PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA</p>	<p>CONSULTANT:</p> <p>JV 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 UMARAY MAMUND</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-2022</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 Lar Khalozai Mamund Rehabilitation Scheme - District Bajaur



Legend :

- Tubewell
- Replacement Pipeline**
 - 1" Dia HDPE
 - 1.5" Dia HDPE
 - 2" Dia HDPE
- Existing Pipeline**
 - 2" Dia GI
 - 3" Dia HDPE
- Lar Khalozai Boundary

Scale :

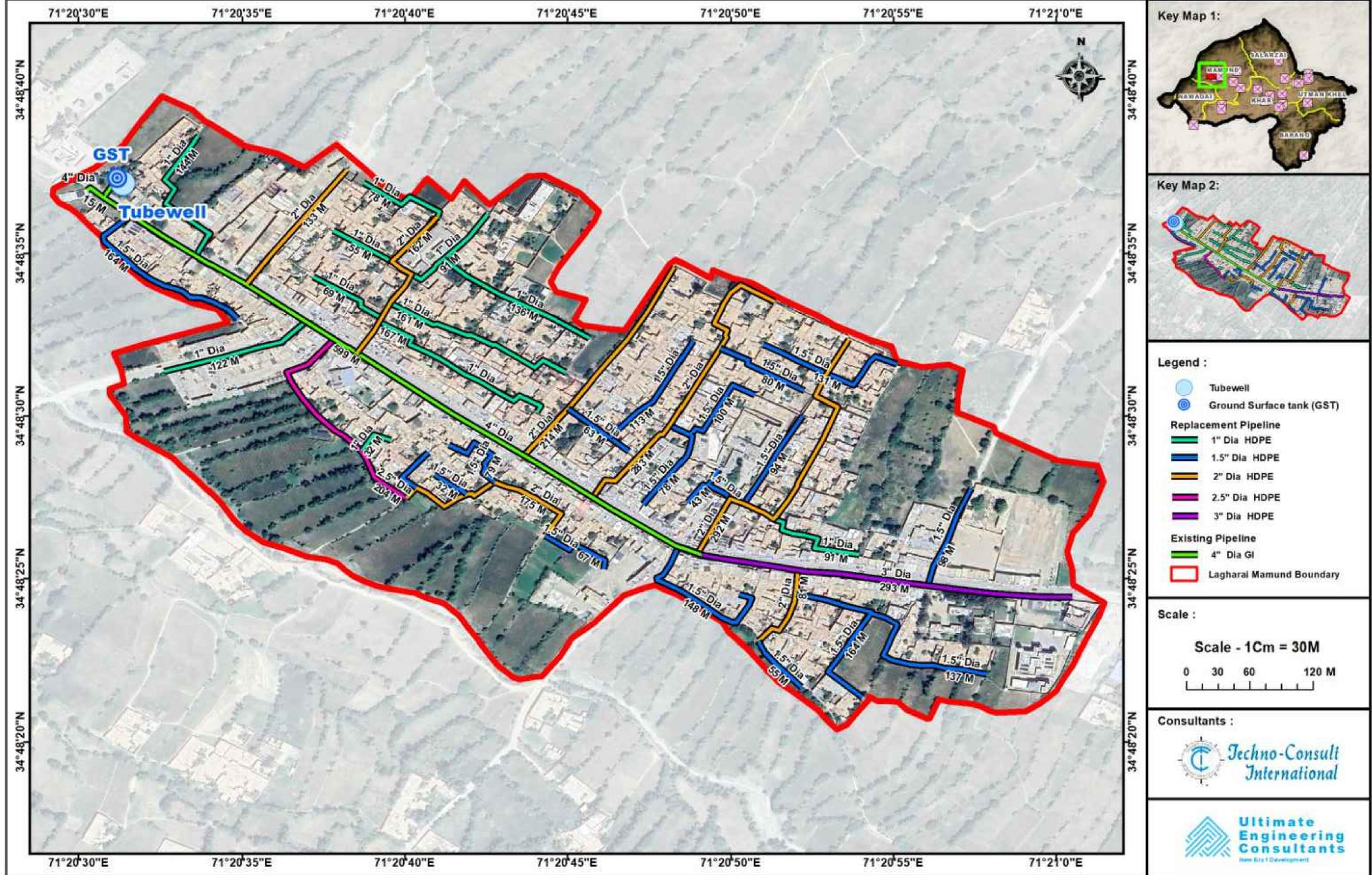
Scale - 1Cm = 30M

Consultants :

<p>CLIENT :</p> <p style="text-align: center;">PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA</p>	<p>CONSULTANT:</p> <p style="text-align: center;">JV 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 LAR KHALOZAI MAMUND</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												
No.	Revision	By	Date																			

Distribution Network Layout

DWSS Lagharai Mamund Rehabilitation Scheme - District Bajaur



Legend :

- Tubewell
- Ground Surface tank (GST)
- Replacement Pipeline**
 - 1" Dia HDPE
 - 1.5" Dia HDPE
 - 2" Dia HDPE
 - 2.5" Dia HDPE
 - 3" Dia HDPE
- Existing Pipeline**
 - 4" Dia GI
- Lagharai Mamund Boundary

Scale :

Scale - 1Cm = 30M

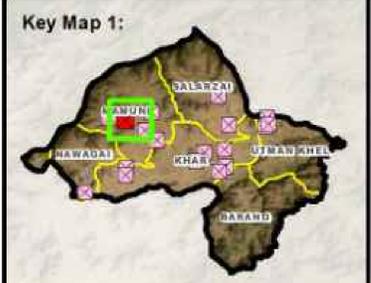
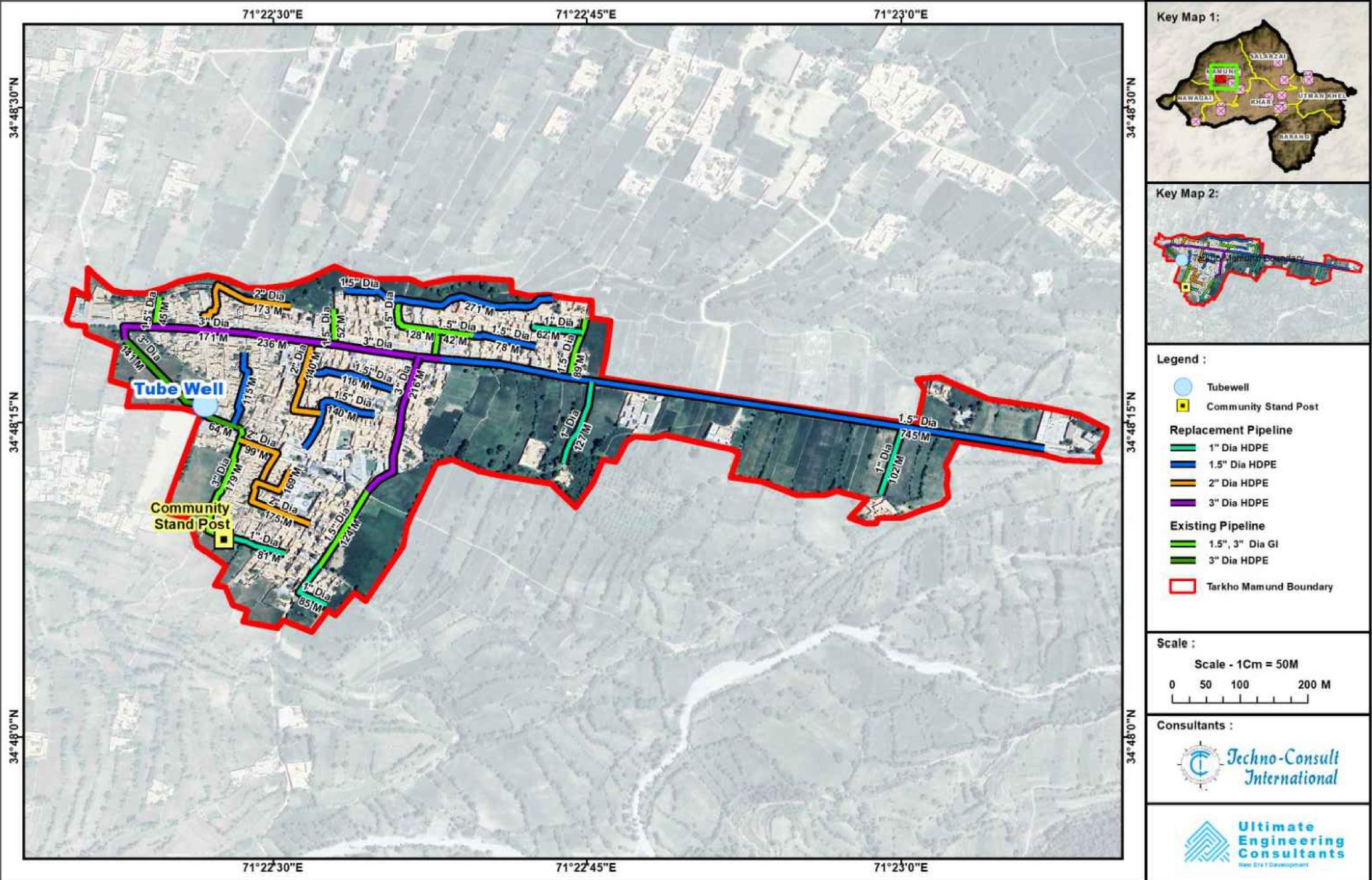
Consultants :

Techno-Consult International

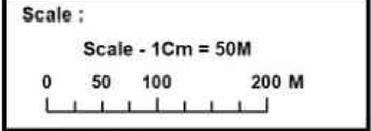
Ultimate Engineering Consultants
New Era of Development

<p>CLIENT :</p> <p style="text-align: center;">PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA</p>	<p>CONSULTANT:</p> <p style="text-align: center;">Techno-Consult International Ultimate Engineering Consultants 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 LAGHARAI MAMUND</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/-2024</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 Tarkho Mamund Rehabilitation Scheme - District Bajaur



- Legend :**
- Tubewell
 - Community Stand Post
- Replacement Pipeline**
- 1" Dia HDPE
 - 1.5" Dia HDPE
 - 2" Dia HDPE
 - 3" Dia HDPE
- Existing Pipeline**
- 1.5", 3" Dia GI
 - 3" Dia HDPE
- Tarkho Mamund Boundary



CLIENT :

PUBLIC HEALTH
ENGINEERING DEPARTMENT
KHYBER PAKHTUNKHWA

CONSULTANT:

JV
**Techno-Consult
International** **Ultimate
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Consultants**
New Era of Development

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PROJECT IN NEWLY MERGED DISTRICTS
OF KHYBER PAKHTUNKHWA

DRAWING TITLE :

WATER COMP.
LAYOUT MAP

DWSS
TARKHO MAMUND

Designed By : Dr. ASFAHAN ALI

Drawn By : NAEEM BAKHSH

Checked By : RABEEA REHMAN

Approved By : RABEEA REHMAN

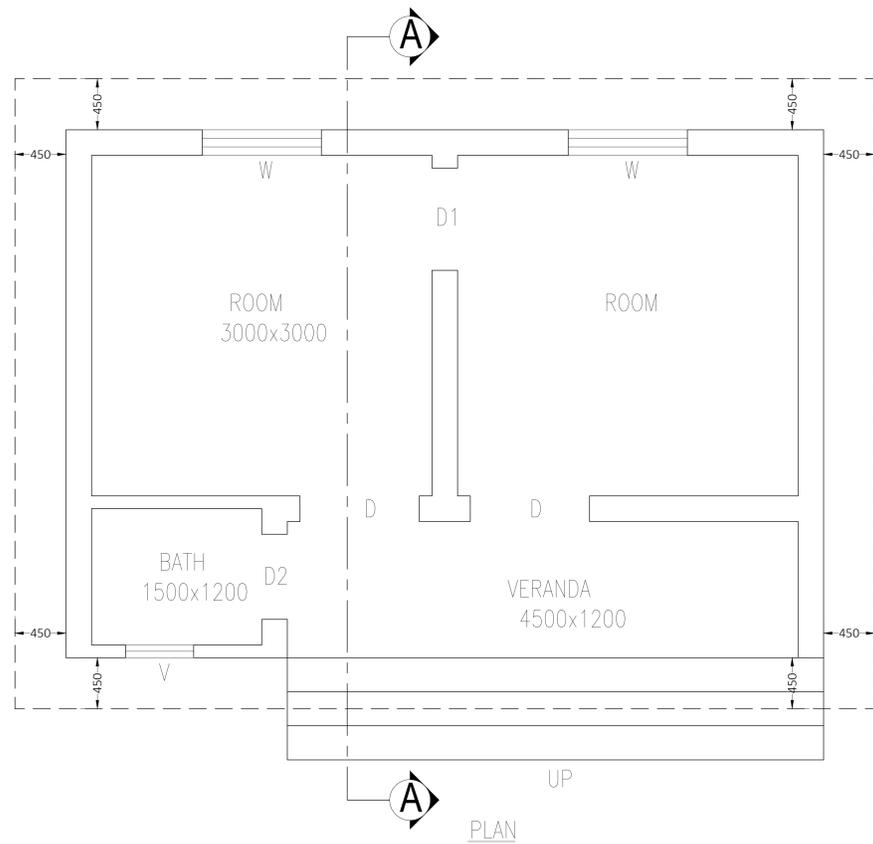
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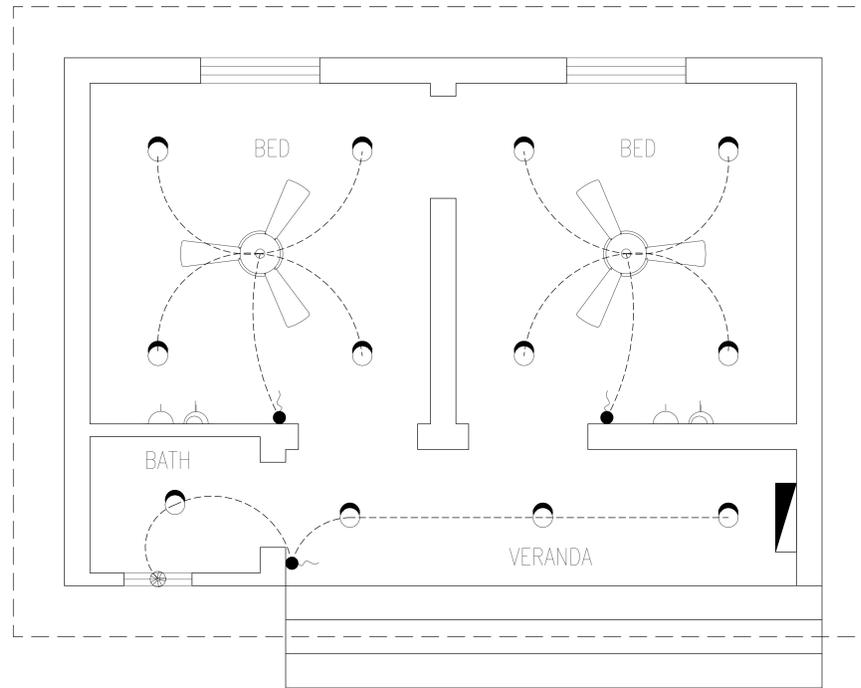
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KPR/REH/BJD/-2025

No.	Revision	By	Date

CHOWKIDAR HUT

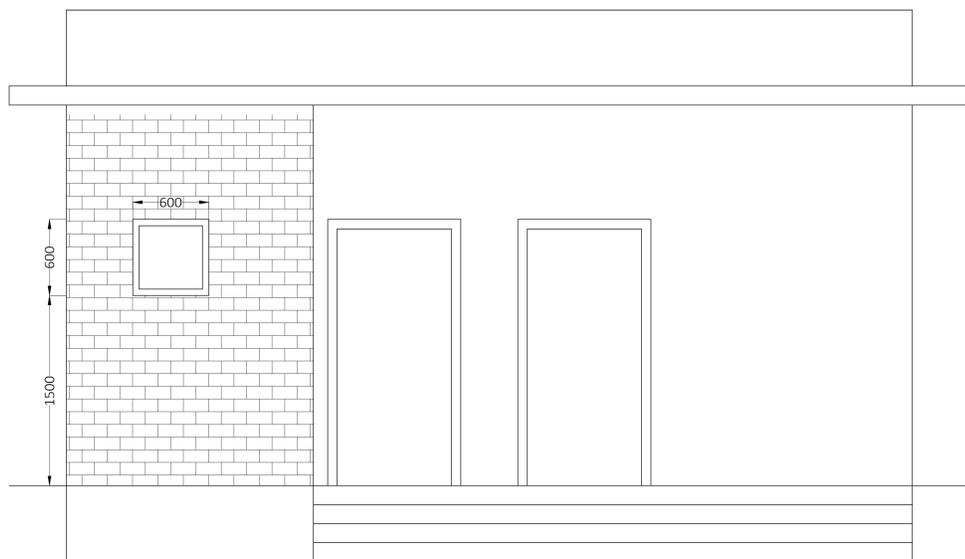


PLAN

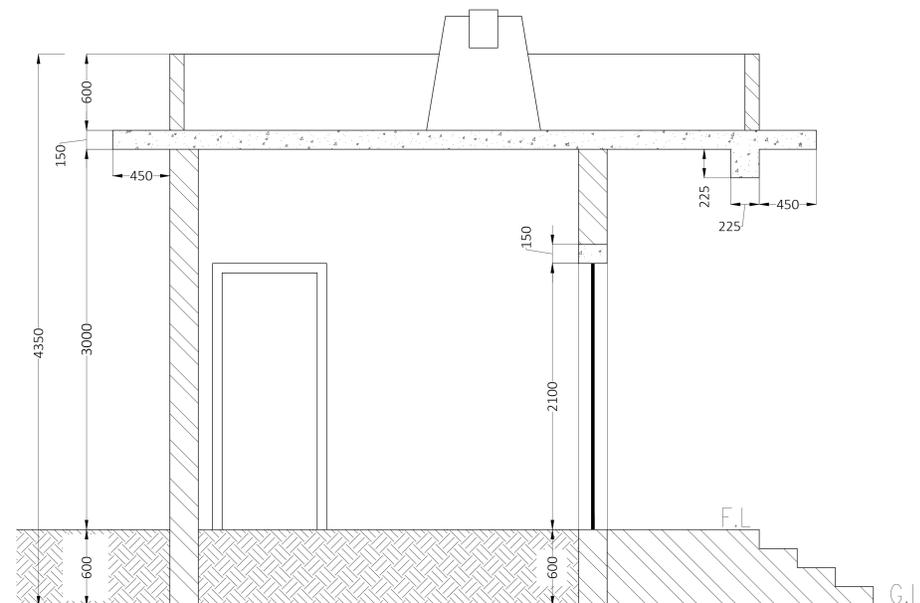


ELECTRICAL PLAN

LEGEND		
S.NO	DESCRIPTIONS	SYMBOLS
1	CEILING FAN 1400 SWEEP	
2	EXHAUST FAN	
3	WALL LIGHT Wast WaterPROOF	
4	CEILING LIGHT 1 x 23 W DONE LITE L.E.D	
5	5A, 3-PIN SOCKET OUTET	
6	15A, 3-PIN SWITCH SOCKET OUTET	
7	SWITCH BOARD	
8	DISTRIBUTION BOARD P.D.B - L.D.B	
9	OUT DOOR LIGHT	
10	TWO WAY SWITCH BOARD	
11	SECURITY CAMERA	

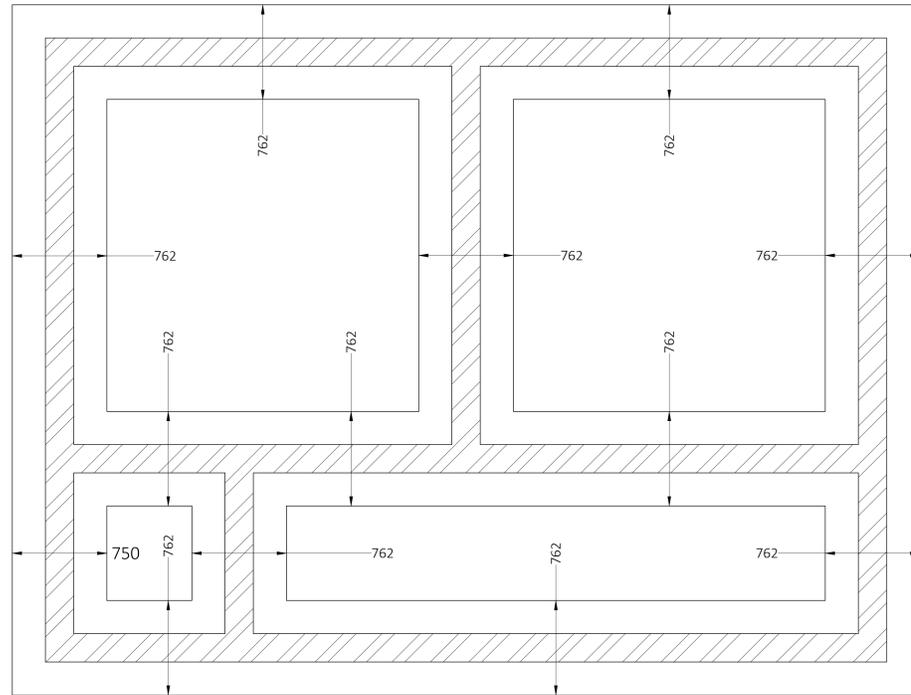


FRONT ELEVATION



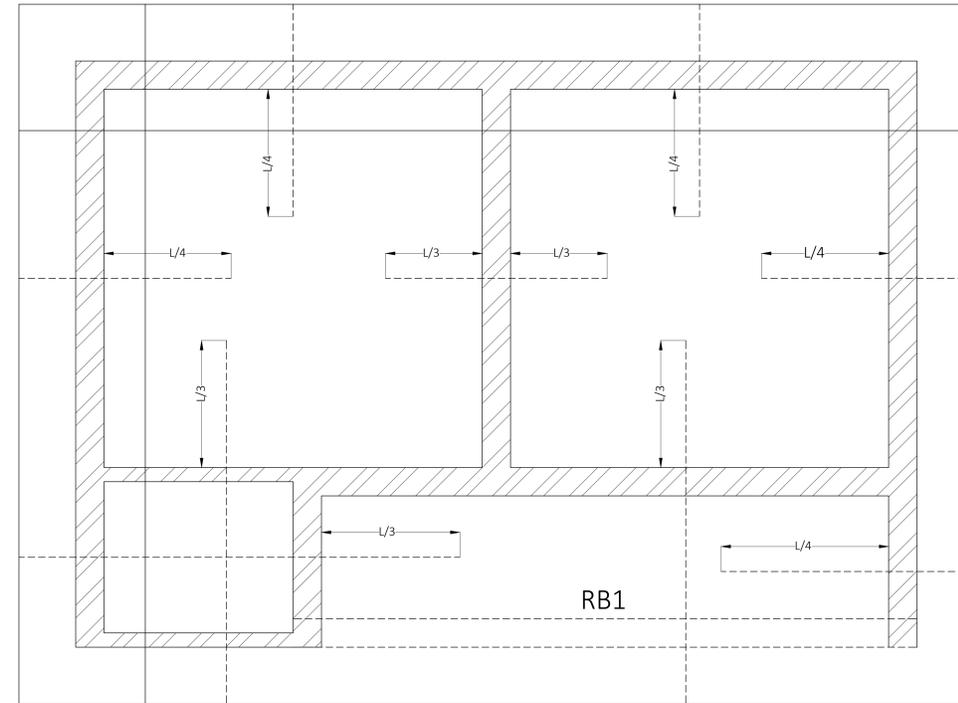
SECTION AT A-A

SCHEDULE OF OPENING			
S.NO	TYPE	SIZE	SILL LEVEL
1	D	1050 x 2100	0-0
2	D1	900 x 2100	0-0
3	D2	750 x 2100	0-0
4	W	1050 x 1200	900
5	V	600 x 600	1500

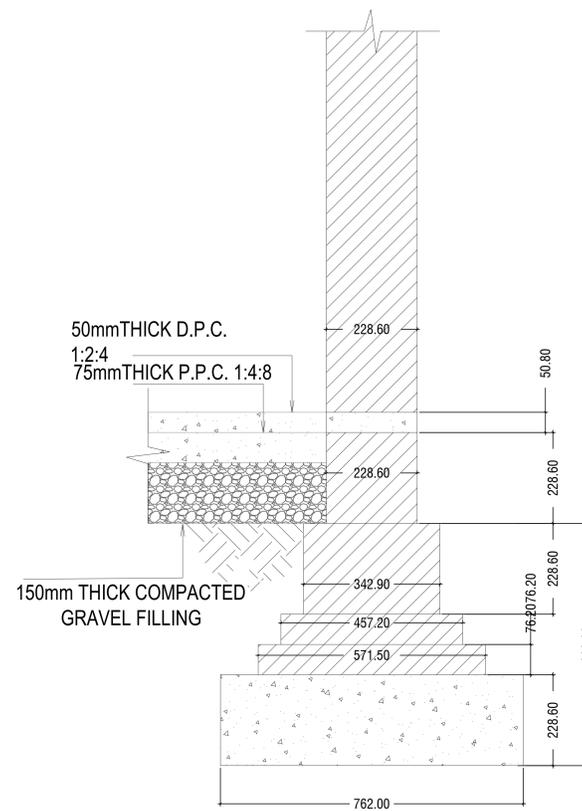


FOOTING PLAN

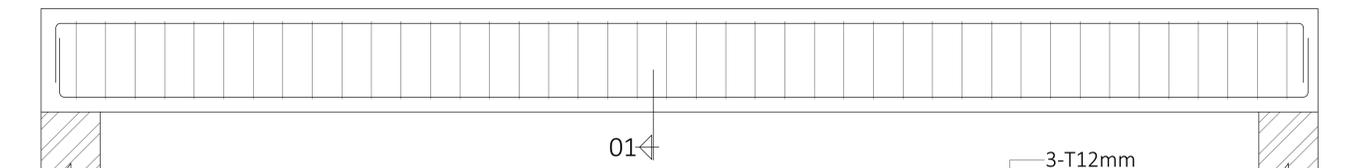
ALL SLABS ARE 150mm THICK & ALL BARS ARE T12mm@225mm C/C



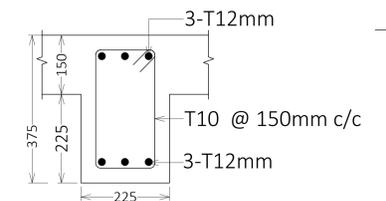
ROOF BEAM & SLAB PLAN



DETAIL OF FOUNDATION



LONG SECTION OF ROOF BEAMS RB1



RB1 SECTION_01

CLIENT :

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 KHYBER PAKHTUNKHWA**

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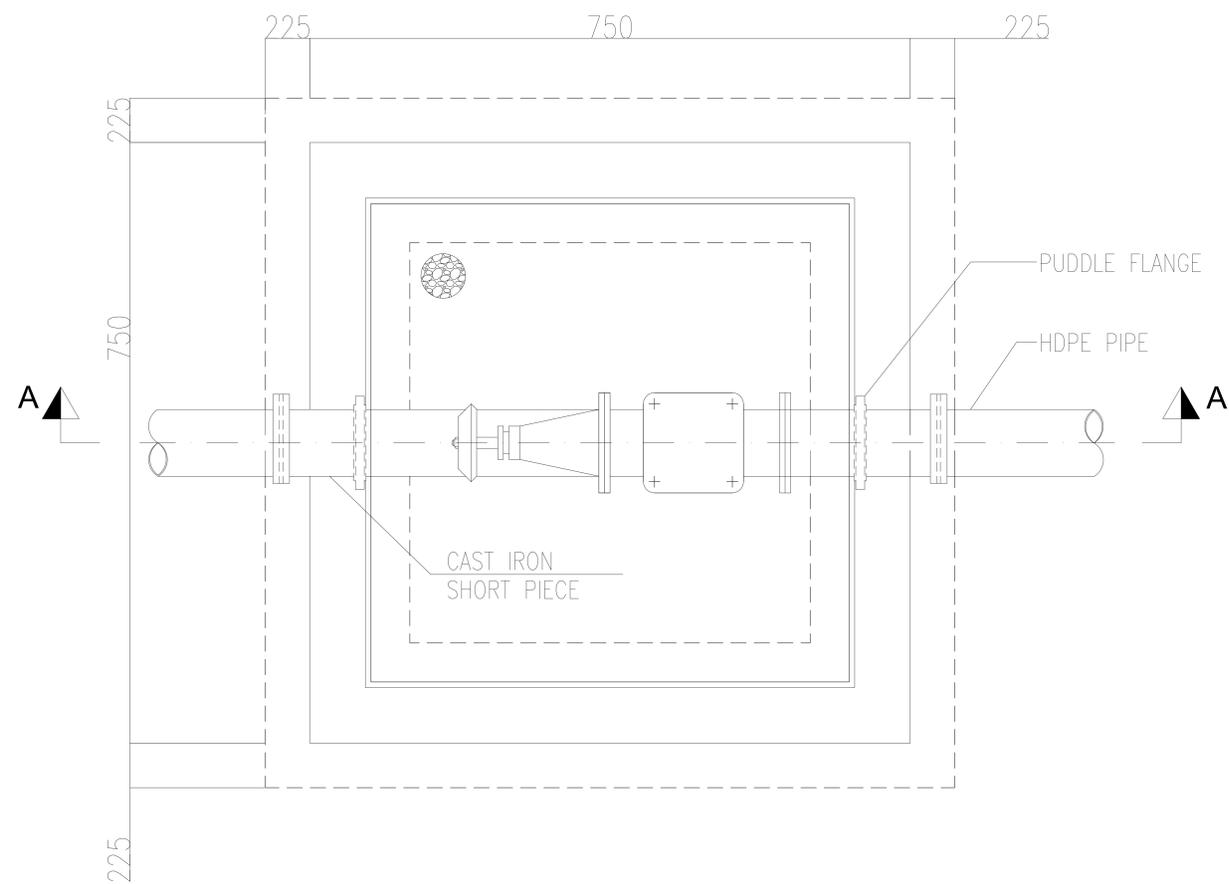
DRAWING TITLE :
 EXISTING REHAB SCHEMES
 DISTRICT BAJAUR
 CHOWKIDAR HUT
 DETAILS

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

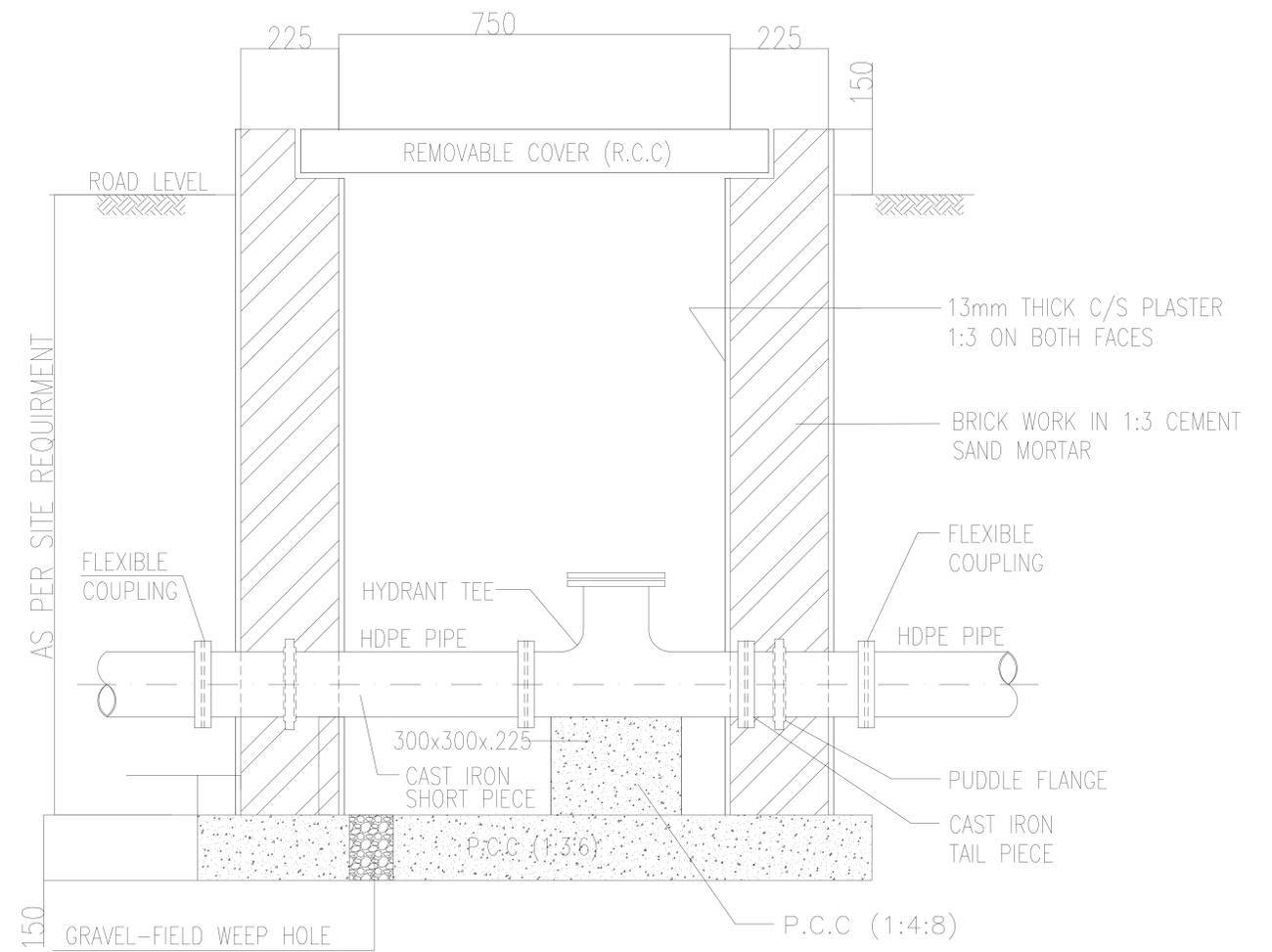
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 Scale : N.T.S
 Drawing No :
 KPR/REH/BJD/-2102

No.	Revision	By	Date

VALVE CHAMBER



SECTIONAL PLAN OF AIR VALVE CHAMBER



SECTION A-A

CLIENT :  PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA	CONSULTANT:  Techno-Consult International JV  Ultimate Engineering Consultants New Era of Development	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 : EXISTING REHAB SCHEMES DISTRICT BAJAUR VALVE CHAMBER PLAN & SECTION	Designed By : Dr. ASFAHAN ALI	Date : FEB 2026	No.	Revision	By	Date
				Drawn By : NAEEM BAKHSH	Scale : N.T.S				
				Approved By : RABEEA REHMAN	KPR/REH/BJD/-2107				