



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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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

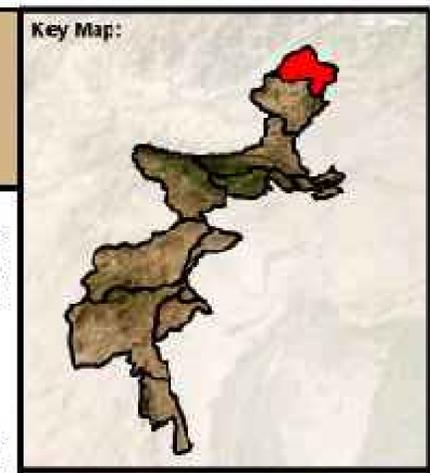
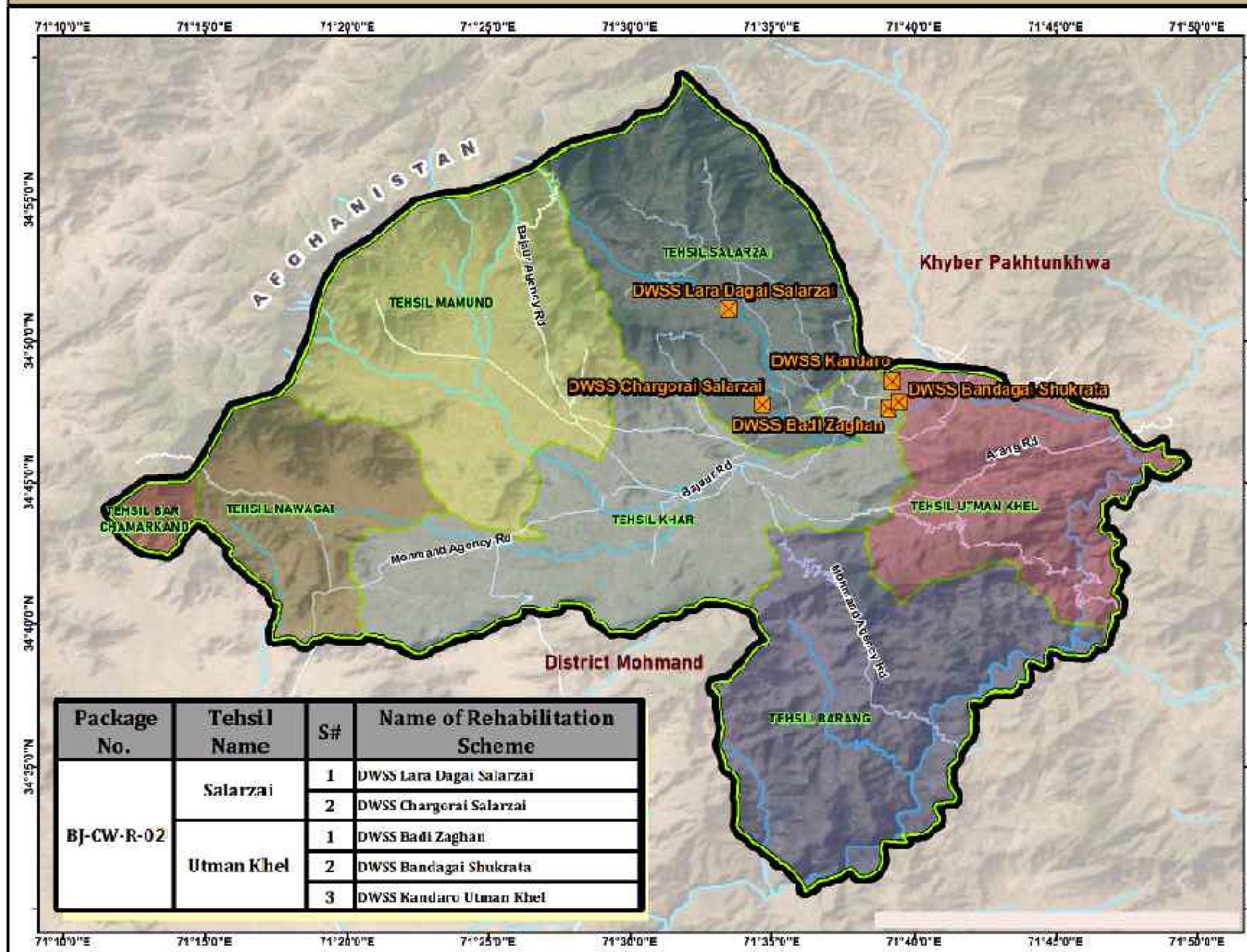
No.

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

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KHYBER PAKHTUNKHWA

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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:
LOCATION PLAN

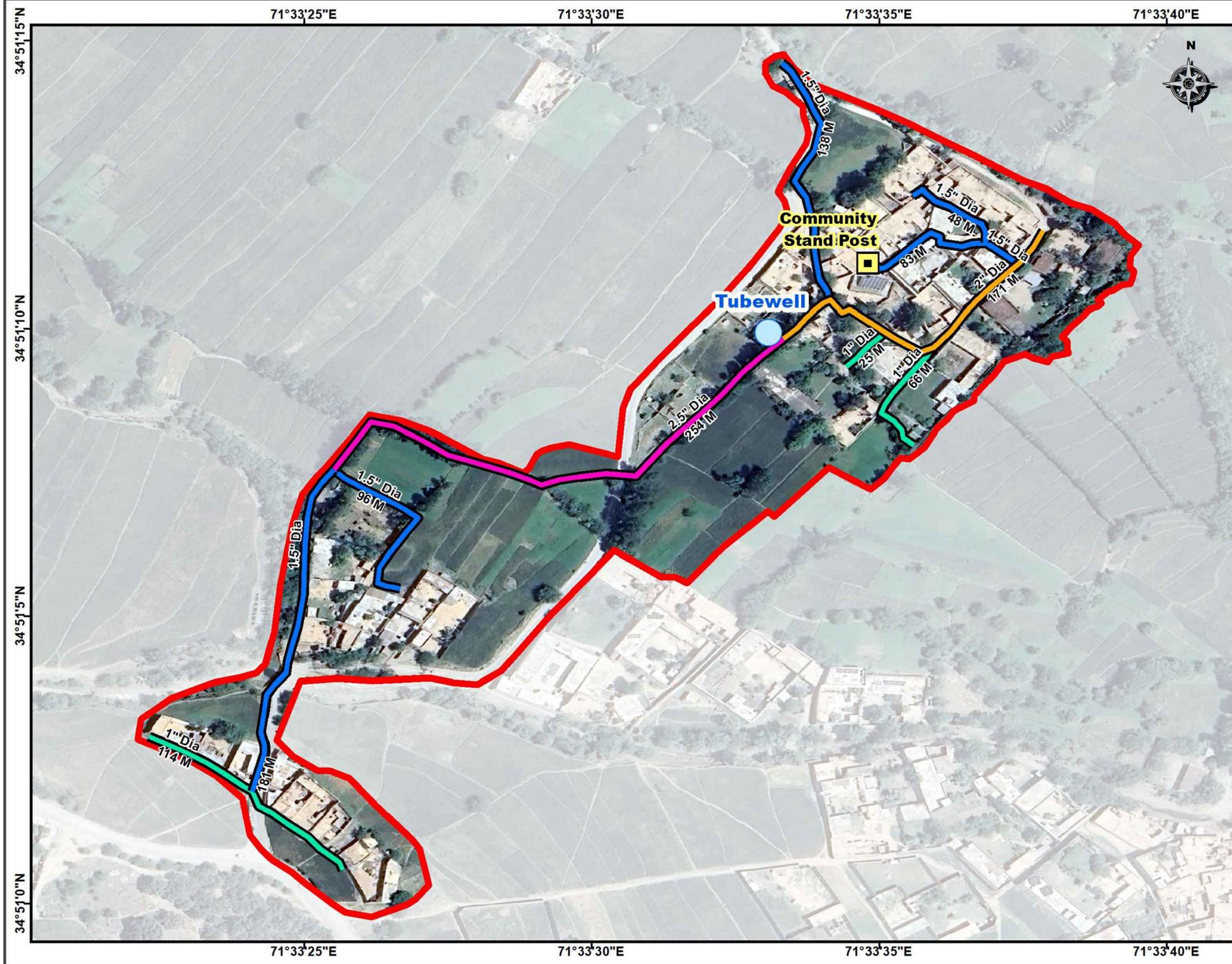
Designed By : Dr. ASFAHAN ALI
Drawn By : NAEEM BAKHSH
Checked By : RABEEA REHMAN
Approved By : RABEEA REHMAN

Date : FEB 2026
Scale : N.T.S.
Drawing No : KPR/REH/BJ-CW-R-02

No.	Revision	By	Date

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;">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 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>						
		No.	Revision	By	Date						

Distribution Network Layout DWSS Chargorai Salarzai Rehabilitation Scheme - District Bajaur



Key Map 1:



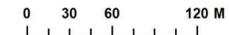
Key Map 2:



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 :



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ENGINEERING DEPARTMENT
KHYBER PAKHTUNKHWA

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PROJECT IN NEWLY MERGED DISTRICTS
OF KHYBER PAKHTUNKHWA

DRAWING TITLE :
WATER COMP.
LAYOUT MAP
DWSS CHARGORAI
SALARZAI

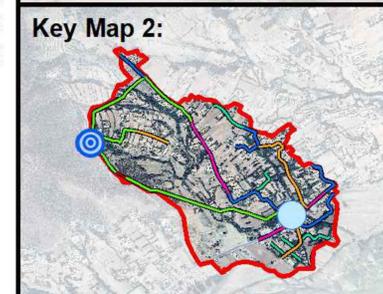
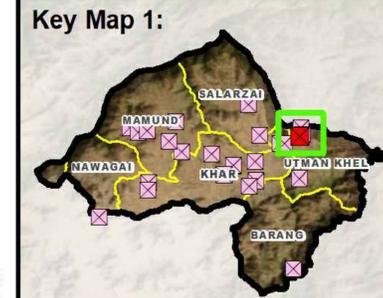
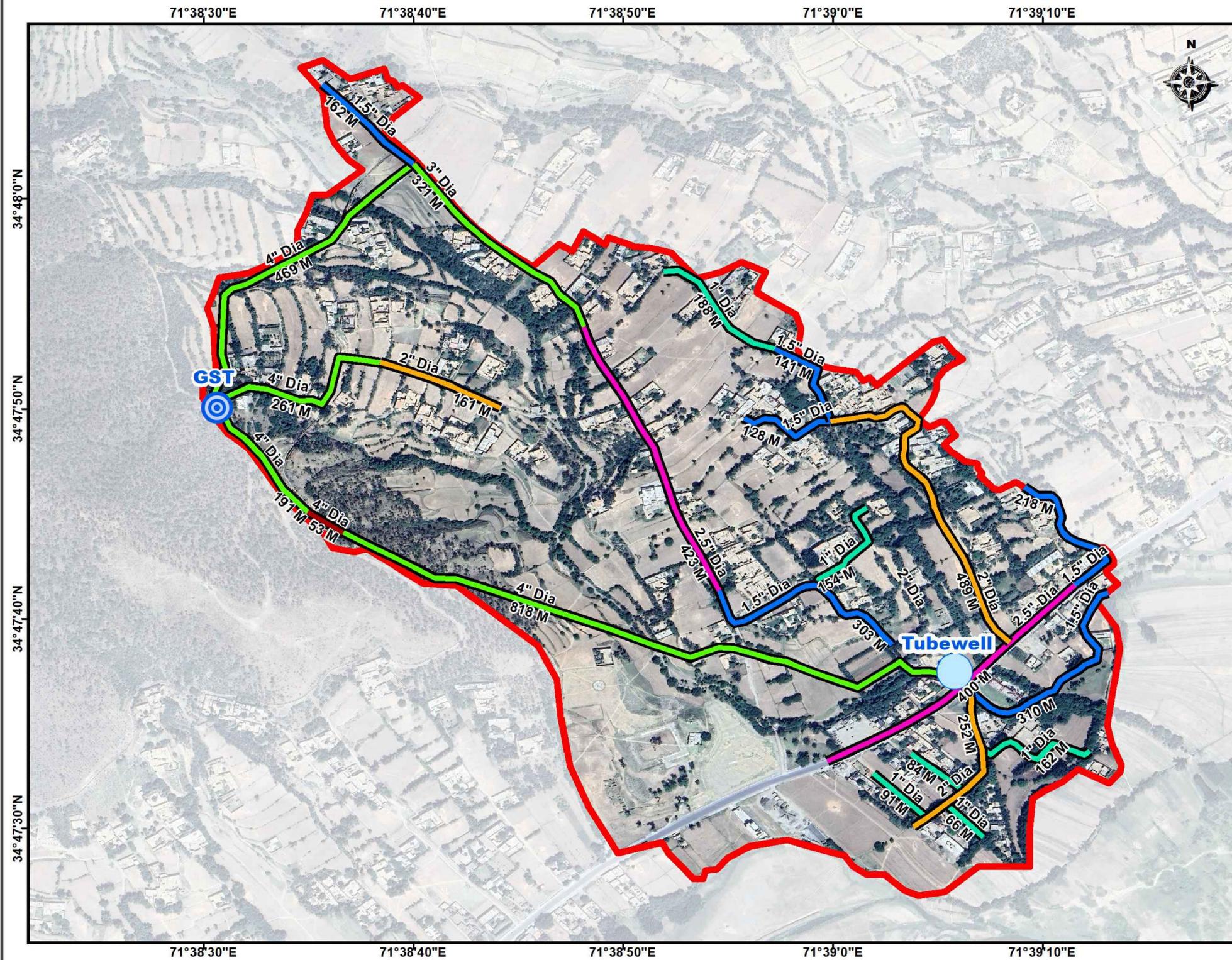
Designed By : Dr. ASFAHAN ALI
Drawn By : NAEEM BAKHSH
Checked By : RABEEA REHMAN
Approved By : RABEEA REHMAN

Date : FEB 2026
Scale : N.T.S
Drawing No :
KPR/REH/BJD/-2022

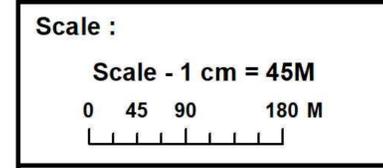
No.	Revision	By	Date

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

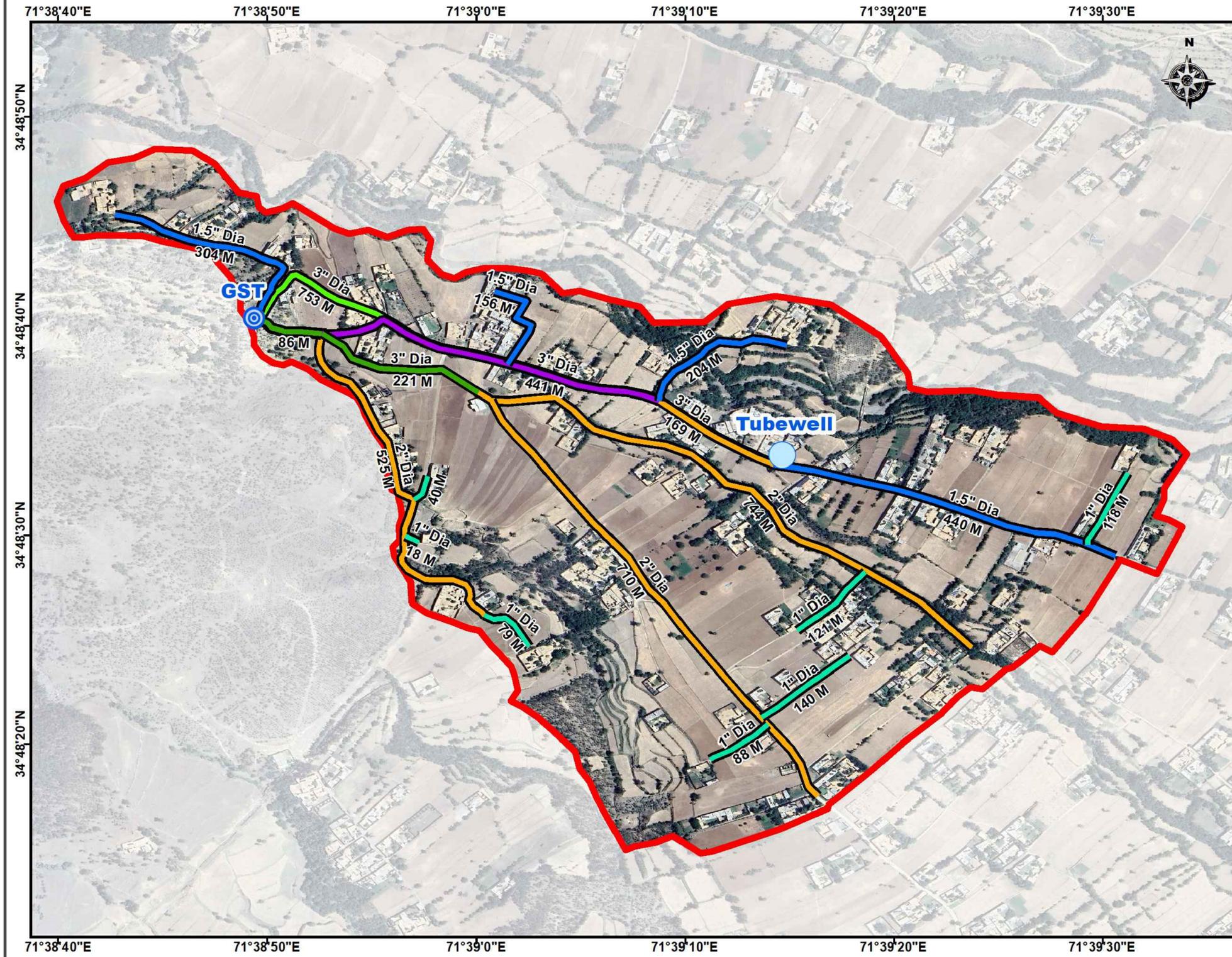


Consultants :

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No.	Revision	By	Date																			

Distribution Network Layout

DWSS Kandaro Utman Khel Rehabilitation Scheme - District Bajaur



Legend :

- Tubewell
- Ground Surface Tank (GST)

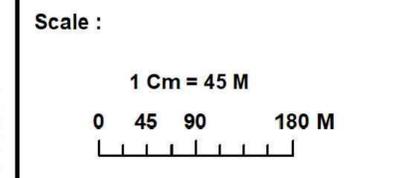
Replacement Pipeline

- 1.5" Dia HDPE
- 2" Dia HDPE
- 3" Dia HDPE

Existing Pipeline

- 3" Dia GI
- 3" Dia HDPE

Kandaro Boundary



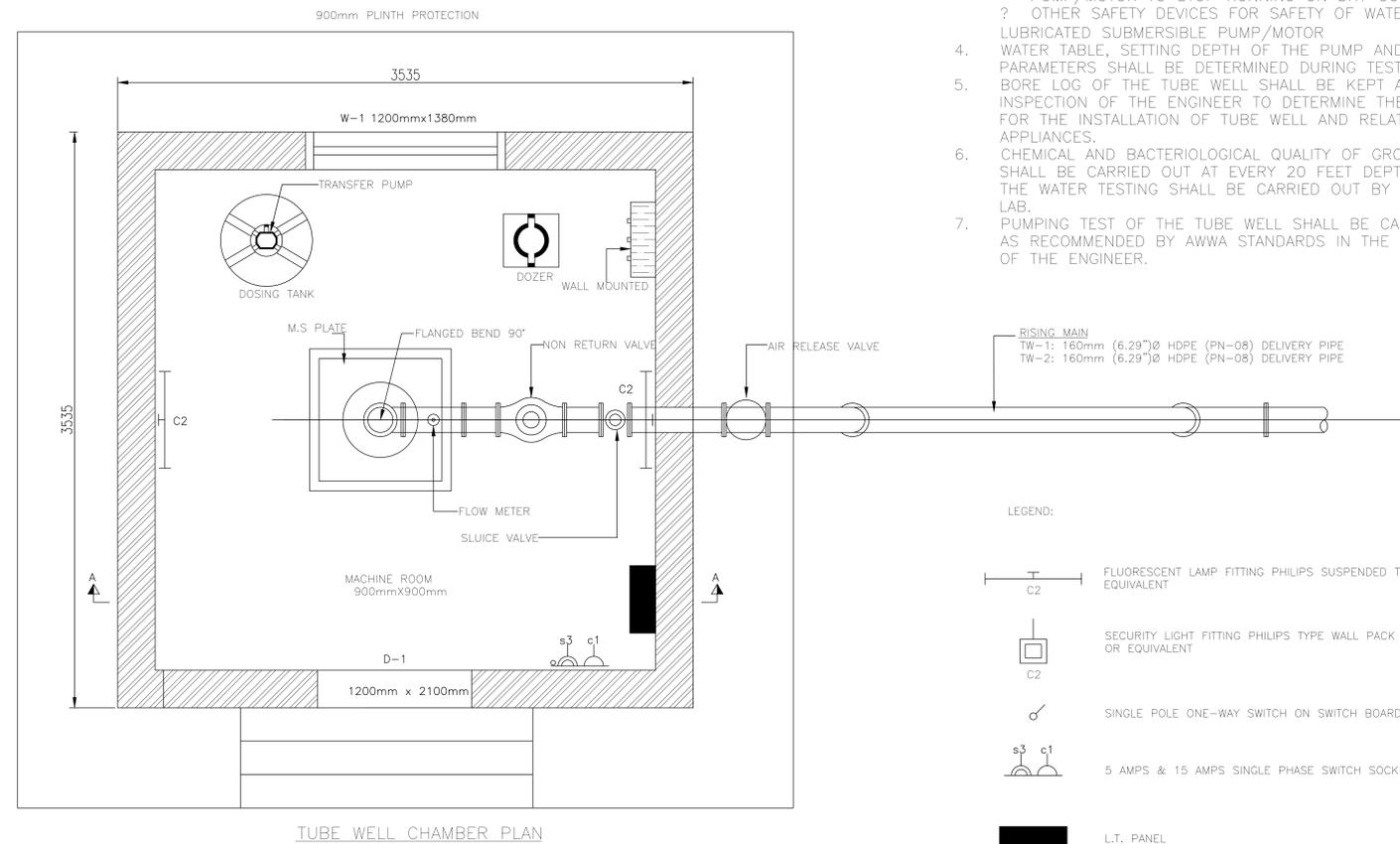
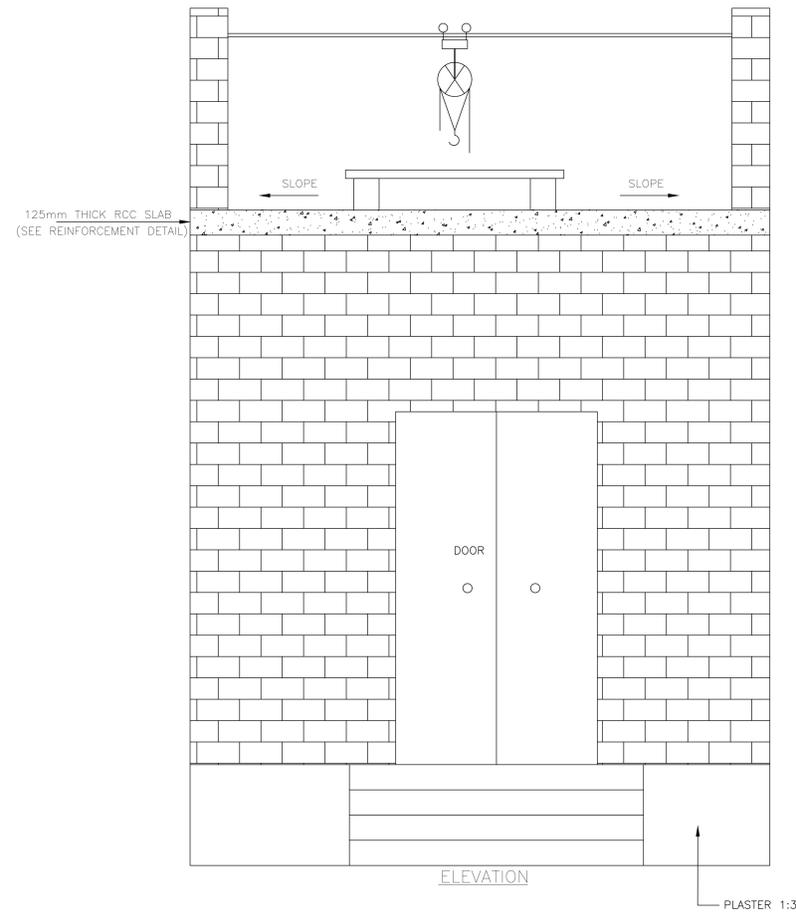
Consultants :

Techno-Consult International

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CHAMBER ROOM



NOTES:

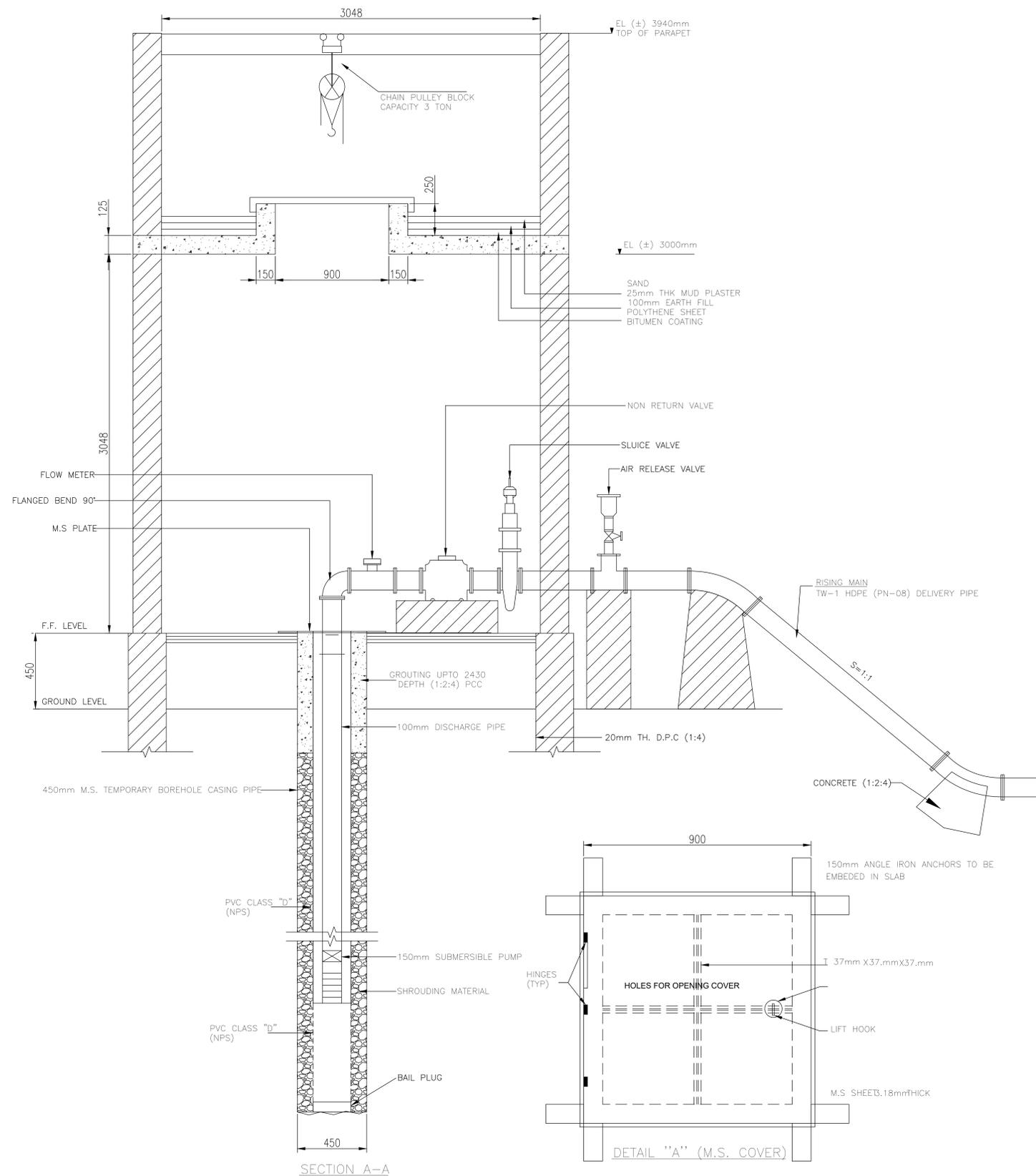
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
2. ALL TUBE WELL EQUIPMENT SHALL BE APPROVED BY THE ENGINEER PRIOR TO PROCUREMENT AND COMMENCEMENT OF WORKS.
3. WATER LUBRICATED SUBMERSIBLE PUMP/MOTOR SHALL BE EQUIPPED WITH THE FOLLOWING SAFETY DEVICES.
? ANTI SINGLE PHASE DEVICE
? NO VOLT 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

NOTES:

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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.
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CONSULTANT:



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PROJECT IN NEWLY MERGED DISTRICTS OF
KHYBER PAKHTUNKHWA

DRAWING TITLE :

EXISTING REHAB SCHEMES
DISTRICT BAJAUR
CHAMBER ROOM DETAILS

Designed By : Dr. ASFAHAN ALI

Drawn By : NAEEM BAKHSH

Checked By : RABEEA REHMAN

Approved By : RABEEA REHMAN

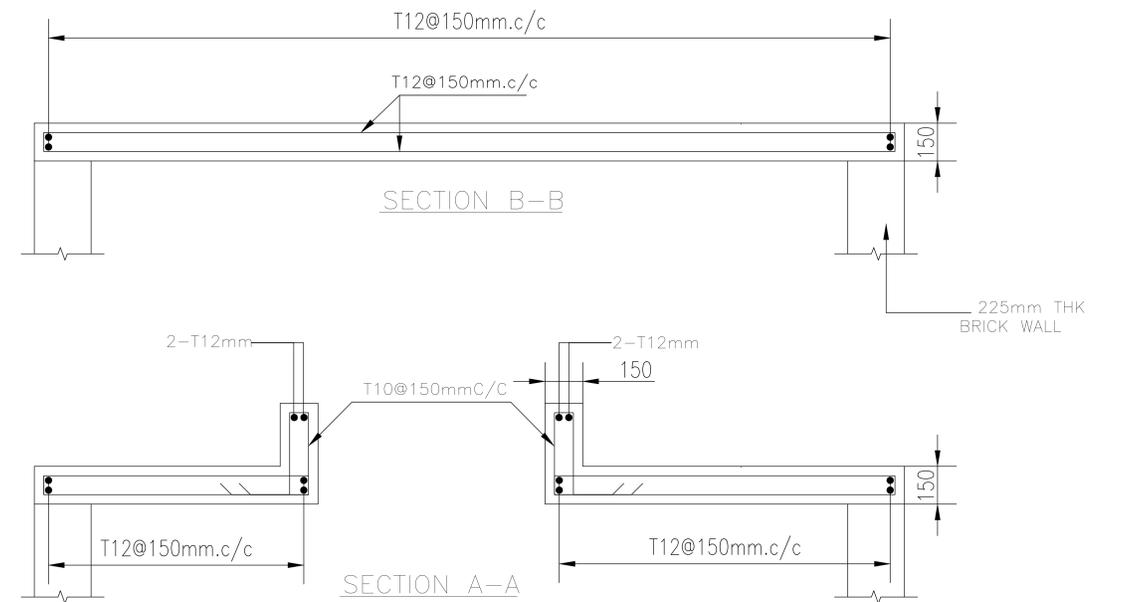
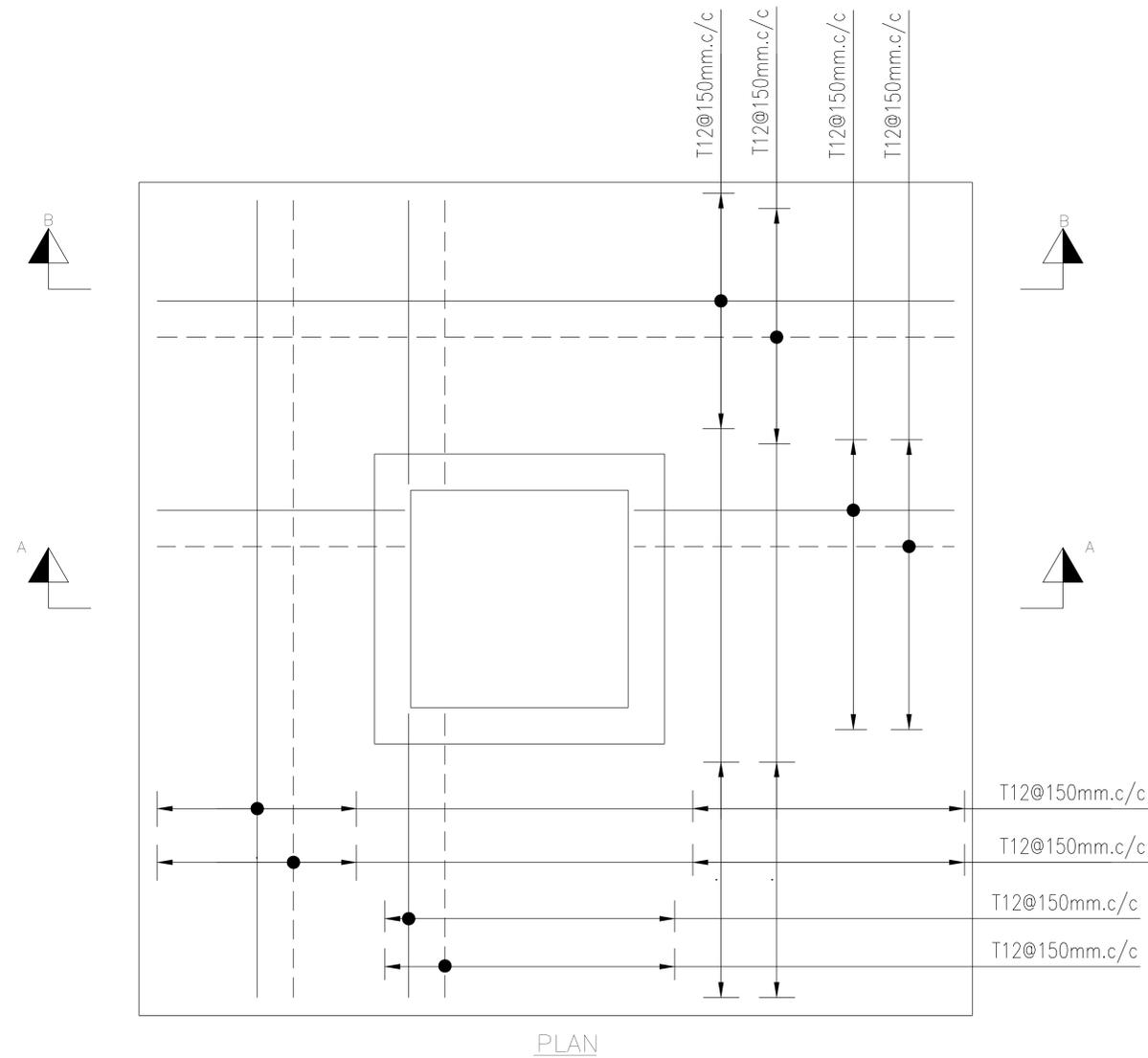
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KPR/REH/BJD/-2104

No.	Revision	By	Date



CLIENT :

 PUBLIC HEALTH ENGINEERING
 DEPARTMENT KHYBER
 PAKHTUNKHWA

CONSULTANT:

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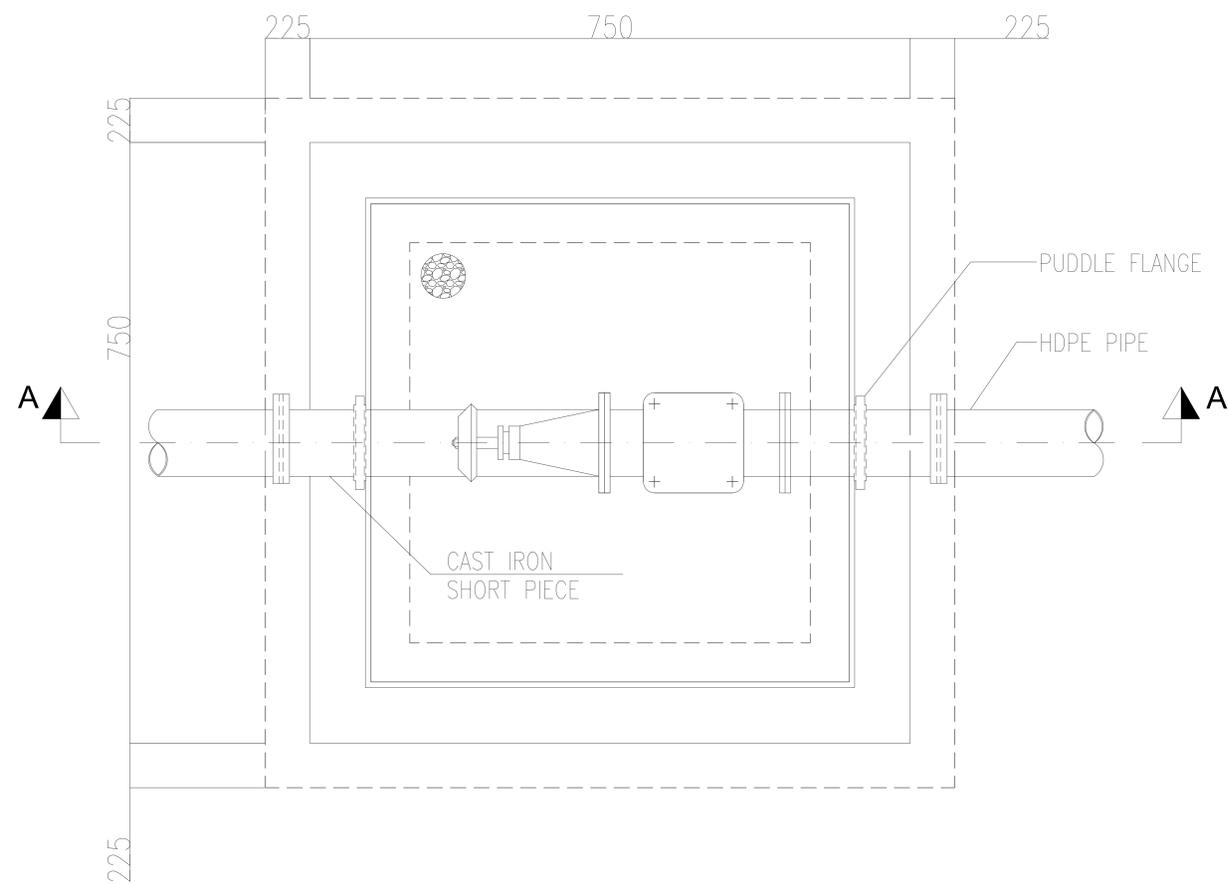
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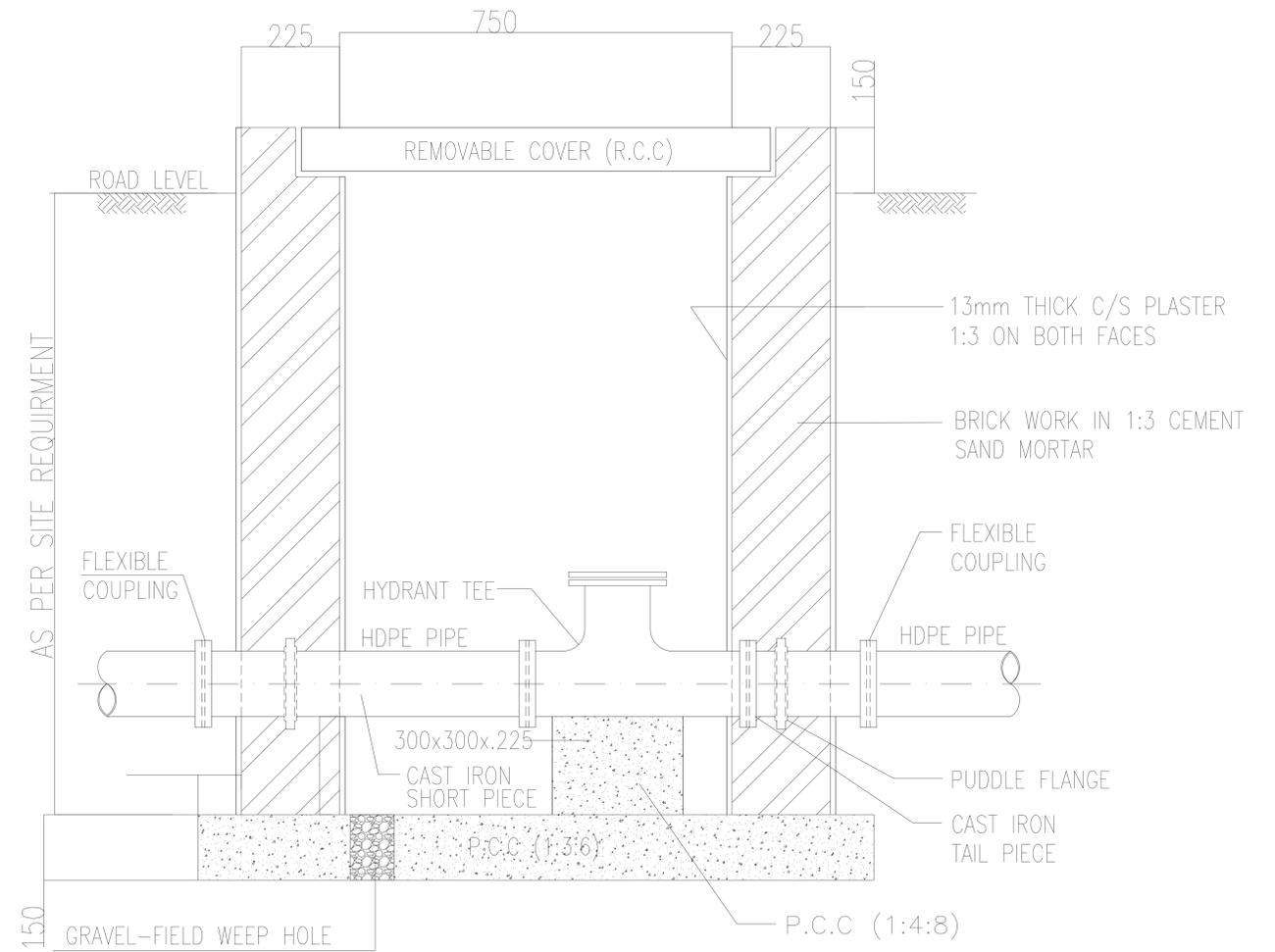
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 DISTRICT BAJAUR
 CHAMBER ROOM
 REINFORCEMENT DETAILS

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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 :

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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 :
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