



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
SHINKAI ALIZAY KHAR, GHANI ADAI KHAR,
LOE JOWAR KHAR, & TRAKAI KHAR
DISTRICT BAJAUR**

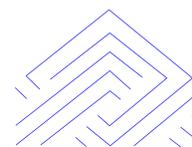
RFQ No. BJ-CW-R-03

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-04	LOCATION PLAN

WATER COMPONENT (REHABILITATION)

LAYOUT MAPS

NO.	DRAWING NO.	TITLE
1	KPR/REH/BJD-2021	LAYOUT MAP (DWSS SHINKAI ALIZAY KHAR)
2	KPR/REH/BJD-2022	LAYOUT MAP (DWSS GHANI ADAI KHAR)
3	KPR/REH/BJD-2023	LAYOUT MAP (DWSS LAR JOWAR KHAR)
4	KPR/REH/BJD-2024	LAYOUT MAP (DWSS TRAKAI KHAR)

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

CHAMBER ROOM DRAWINGS

1	KPR/REH/BJD-2103	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

15	KPR/REH/BJD-2107	PLAN & SECTION
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BOUNDARY WALL

15	KPR/REH/BJD-2108	PLAN, FRONT ELEVATION & 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

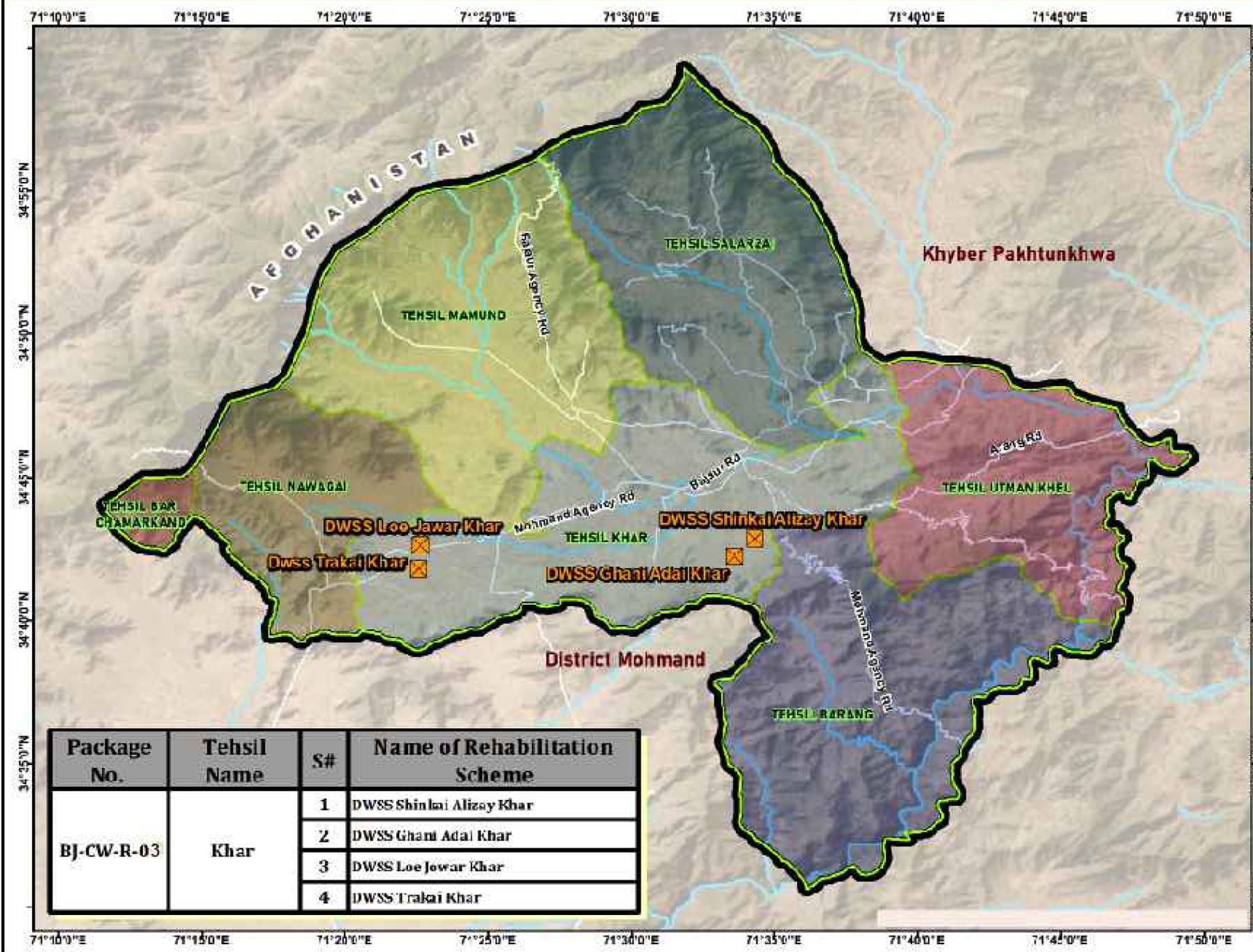
No.

Revision

By

Date

DWSS REHABILITATION GOVERNMENT SCHEMES CIVIL WORKS PACKAGE NO - BJ-CW-R-03, KHAR - DISTRICT BAJAUR



Package No.	Tehsil Name	S#	Name of Rehabilitation Scheme
BJ-CW-R-03	Khar	1	DWSS Shinlai Alizay Khar
		2	DWSS Ghani Adai Khar
		3	DWSS Loe Jawar Khar
		4	DWSS Trakai Khar



Legend :

- X BJ-CW-R-03 Schemes
- District Boundary
- Tehsil Boundary
- Road Network
- River / Water Ways

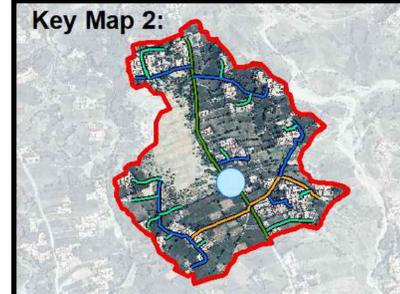
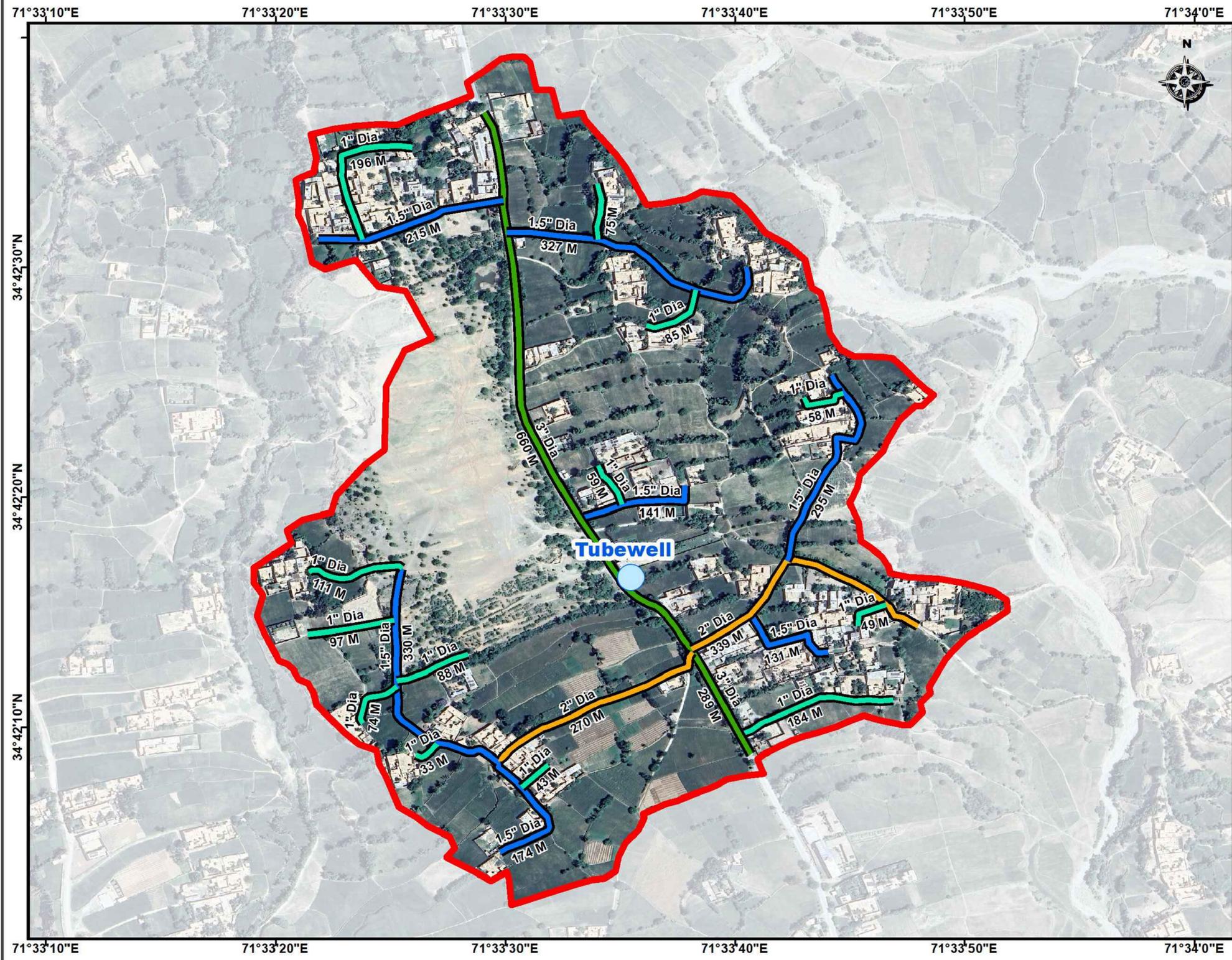


Consultants :

<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;">LOCATION PLAN</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/BJ-CW-R-03</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	Revision	By	Date				
No.	Revision	By	Date											

Distribution Network Layout

DWSS Ghani Adai Khar Rehabilitation Scheme - District Bajaur



Legend :

- Tubewell
- Existing Pipeline**
- 3" Dia HDPE
- Replacement Pipeline**
- 1" Dia HDPE
- 1.5" Dia HDPE
- 2" Dia HDPE
- Ghani Adai Boundary

Scale :

Scale - 1Cm = 50M

0 50 100 200 M

Consultants :

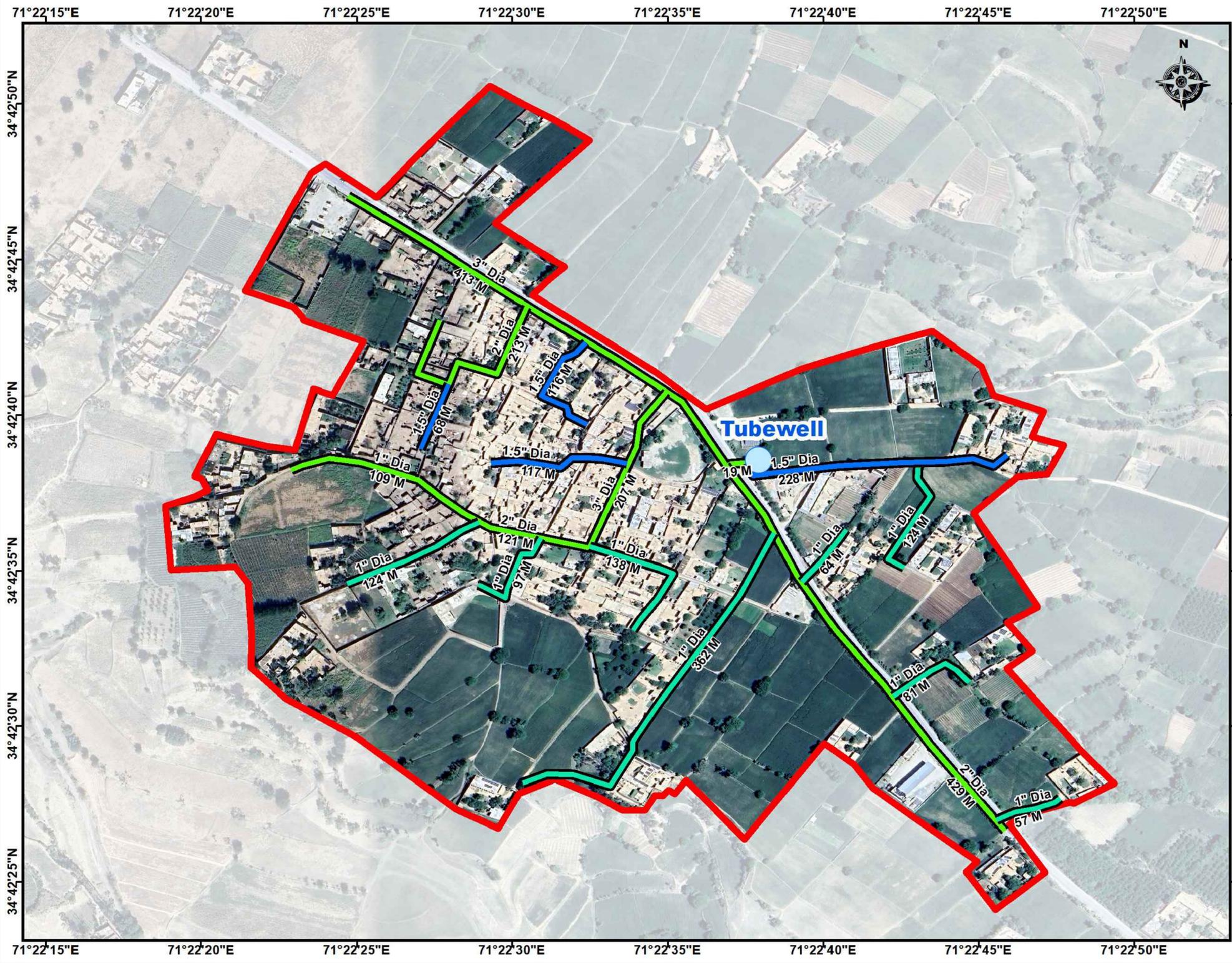
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Distribution Network Layout

DWSS Loe Jawar Khar Rehabilitation Scheme - District Bajaur



Legend :

- Tubewell
- Replacement Pipeline**
 - 1" Dia HDPE
 - 1.5" Dia HDPE
- Existing Pipeline**
 - 1", 2" 3" Dia GI
 - Loe Jawar Boundary

Scale :

Scale - 1Cm = 30M

Consultants :

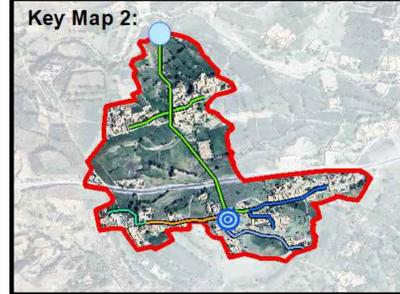
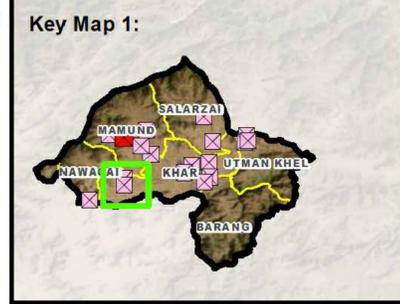
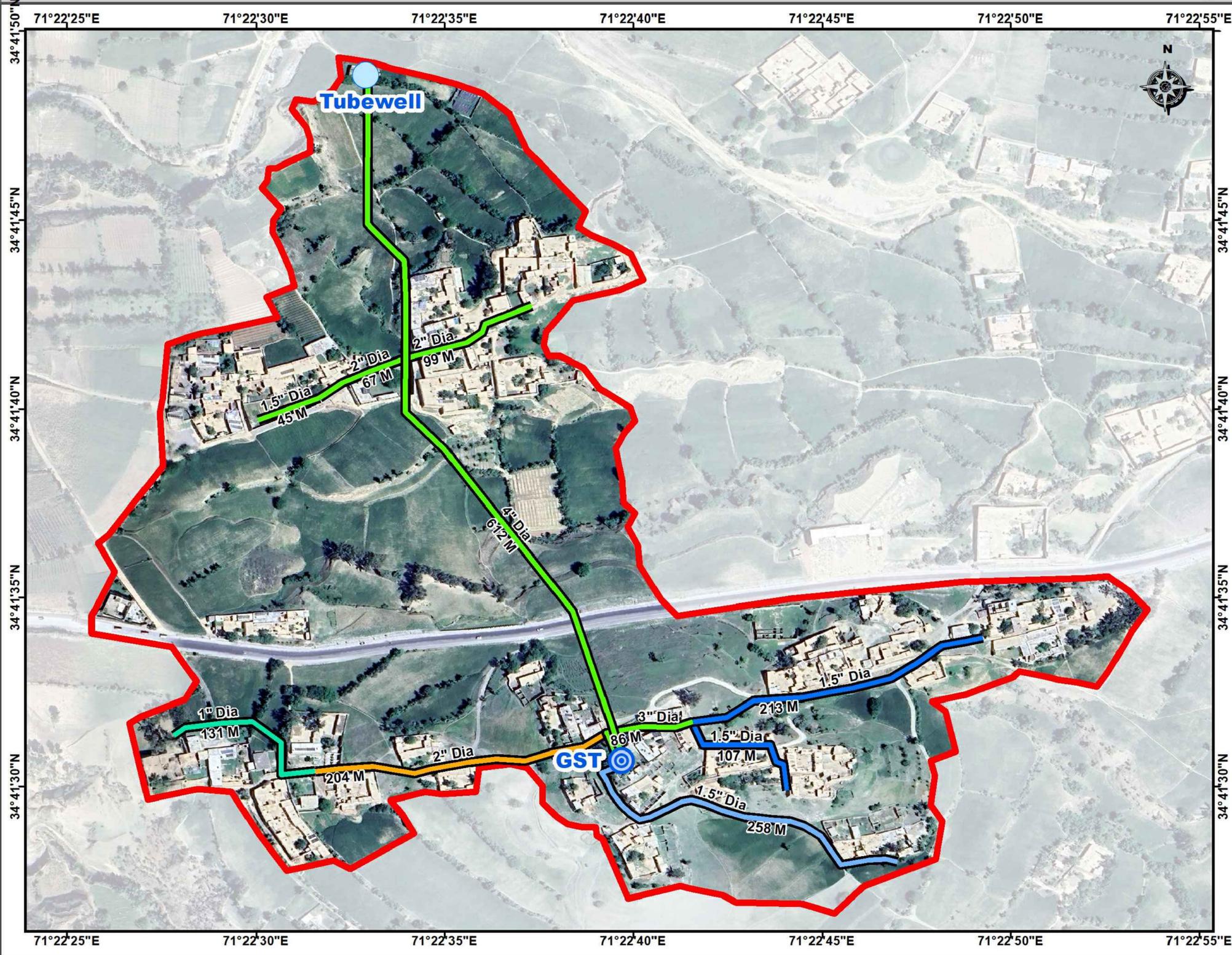
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No.	Revision	By	Date																			

Distribution Network Layout

DWSS Trakai Khar Rehabilitation Scheme - District Bajaur



Legend :

- Tubewell
- ◎ Ground Surface Tank (GST)

Replacement Pipeline

- 1" Dia HDPE
- 1.5" Dia HDPE
- 1.5" Dia GI
- 2" Dia HDPE

Existing Pipeline

- 1.5", 2", 3" 4" Dia GI
- Trakai Khar Boundary

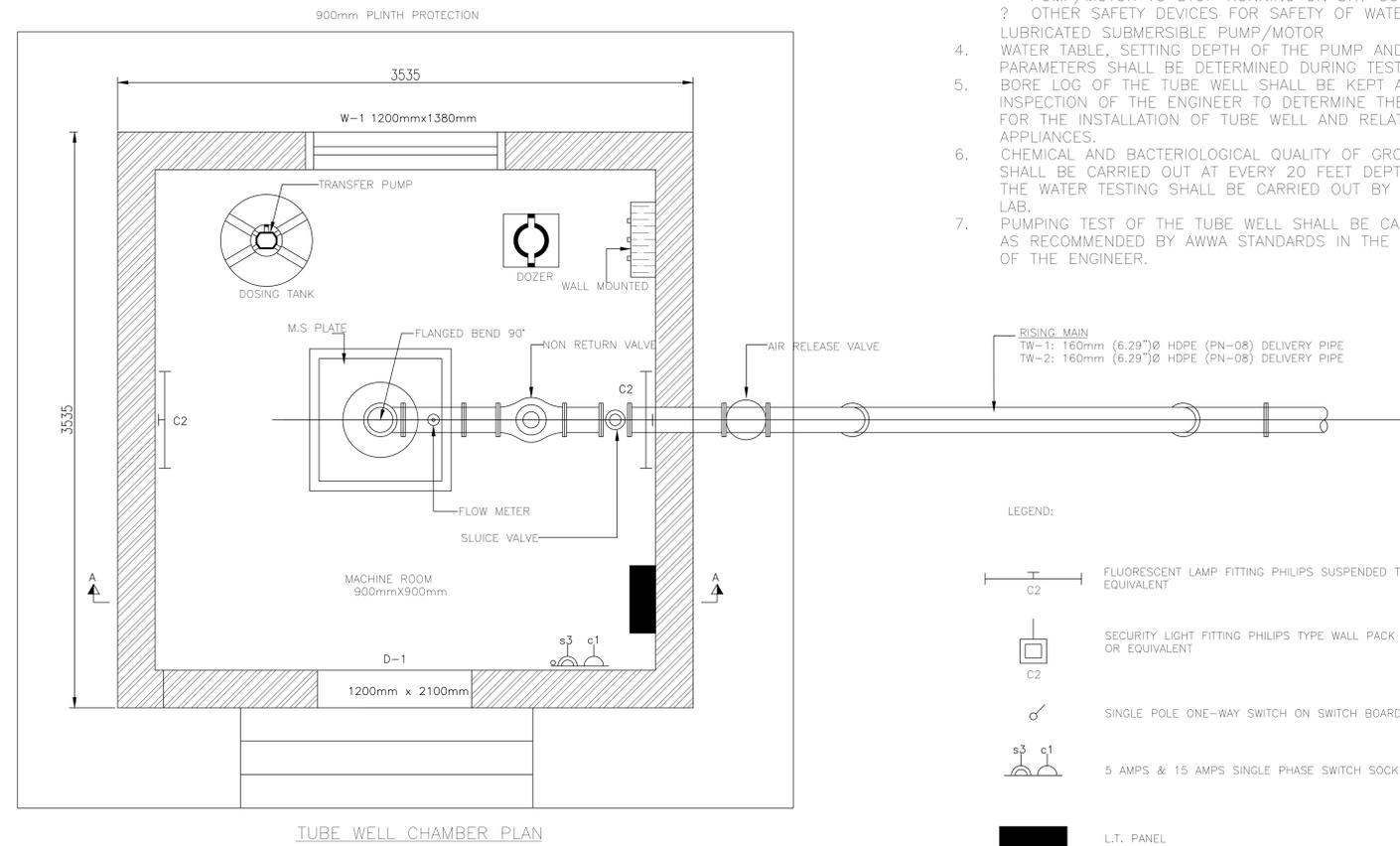
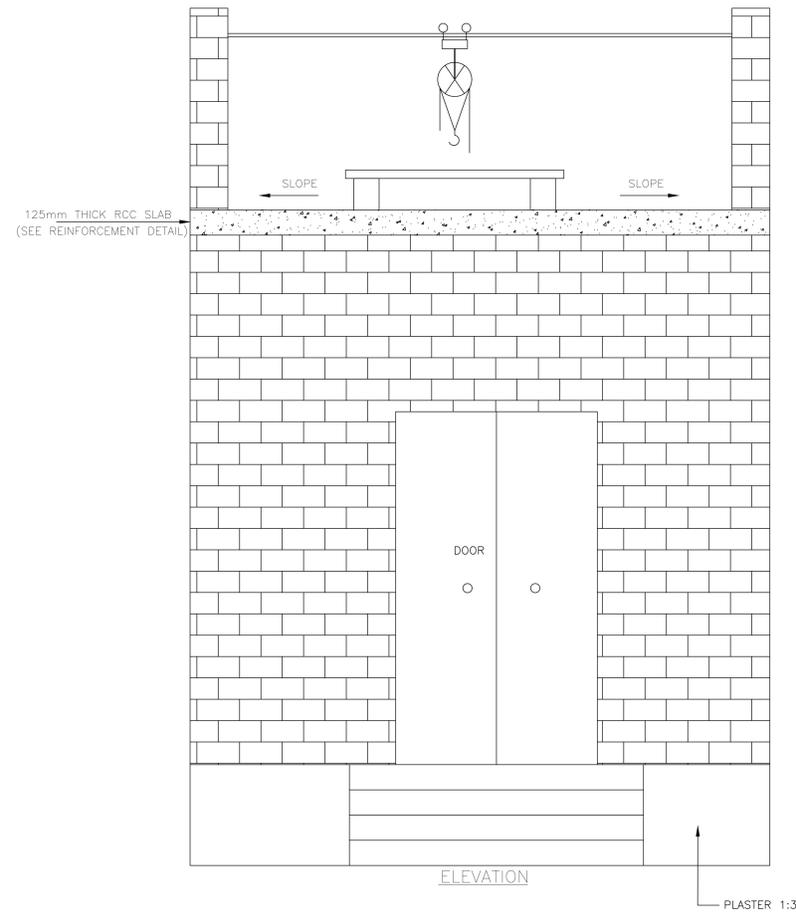
Scale :

Scale - 1Cm = 30M

Consultants :

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				Drawn By : NAEEM BAKHSH	Scale : N.T.S																				
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CHAMBER ROOM



NOTES:

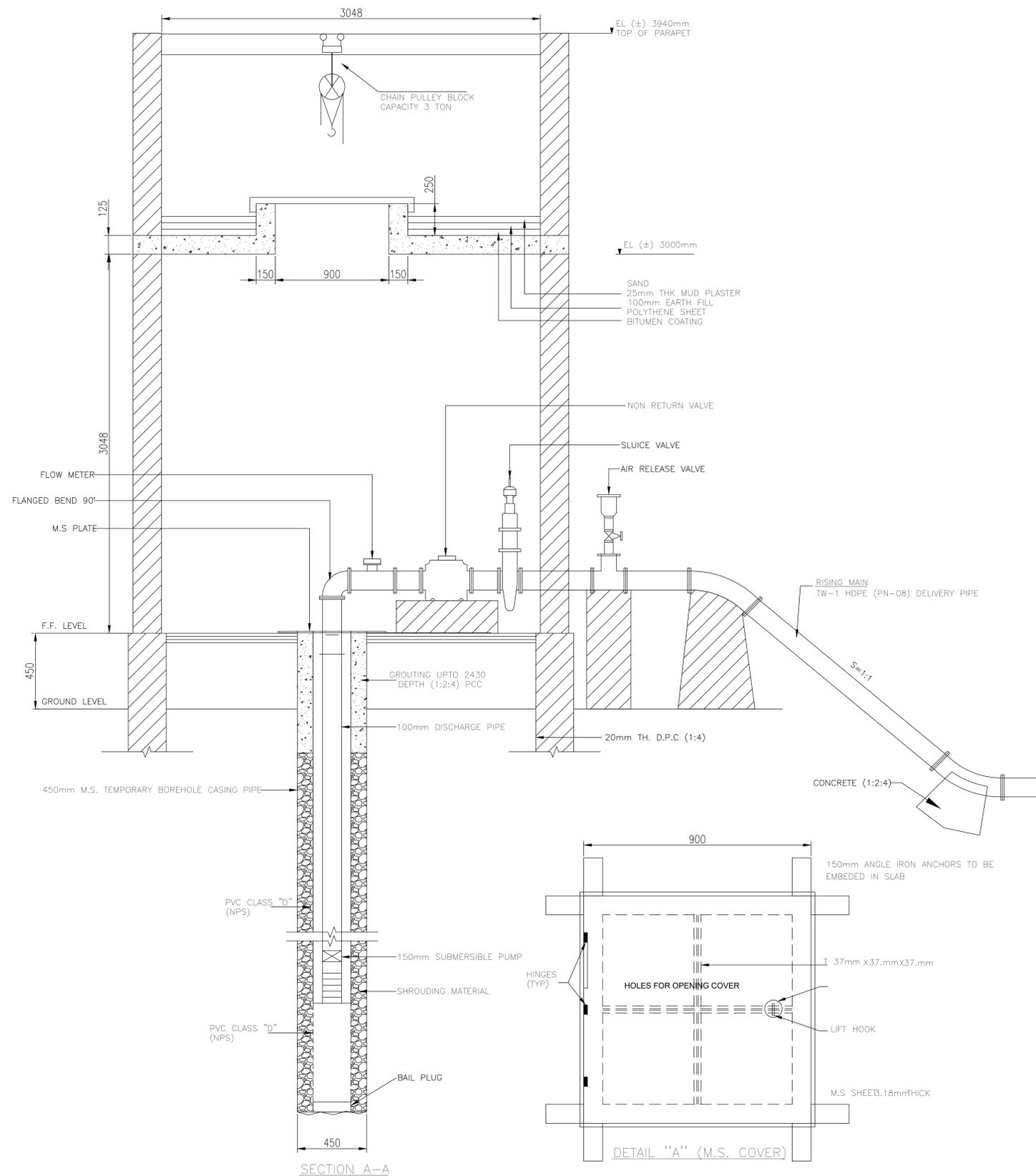
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
2. ALL TUBE WELL EQUIPMENT SHALL BE APPROVED BY THE ENGINEER PRIOR TO PROCUREMENT AND COMMENCEMENT OF WORKS.
3. WATER LUBRICATED SUBMERSIBLE PUMP/MOTOR SHALL BE EQUIPPED WITH THE FOLLOWING SAFETY DEVICES.
 - ? ANTI SINGLE PHASE DEVICE
 - ? NO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

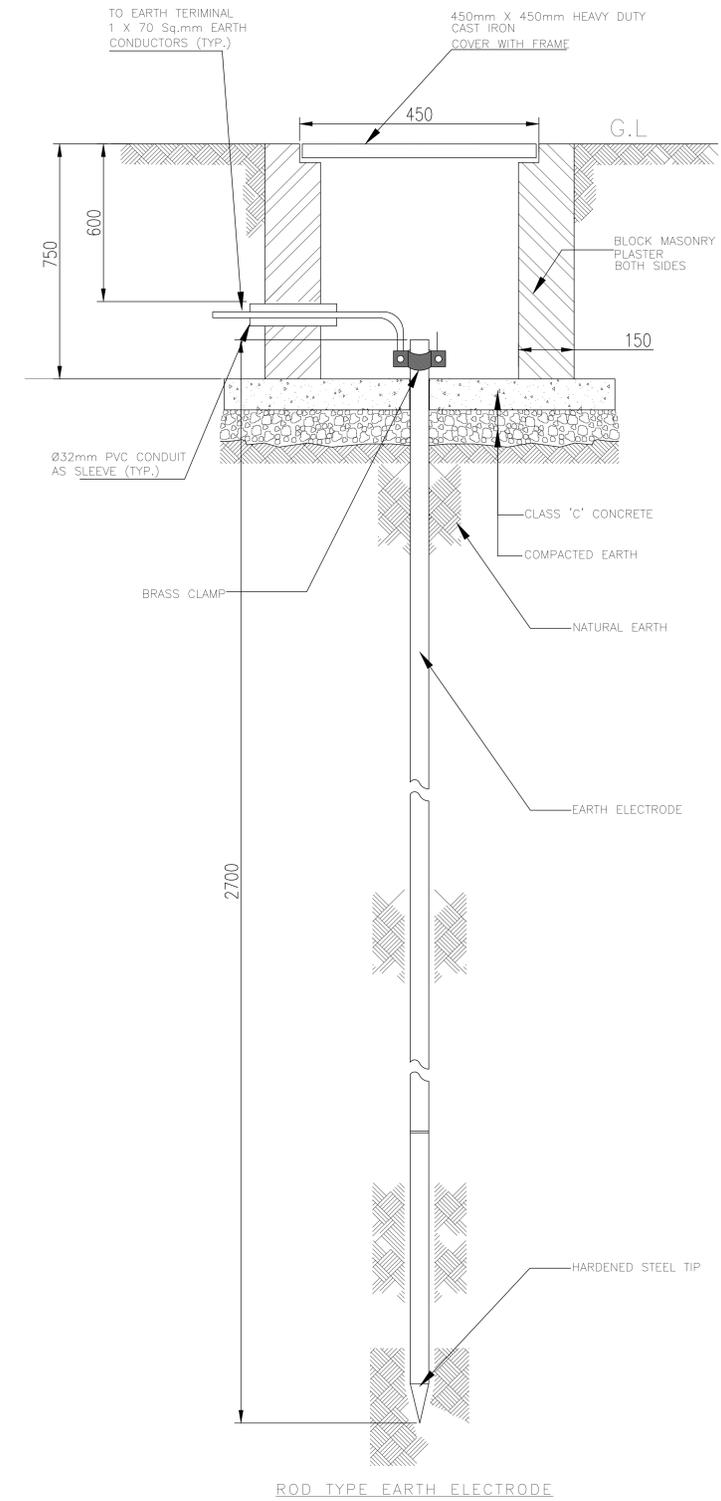
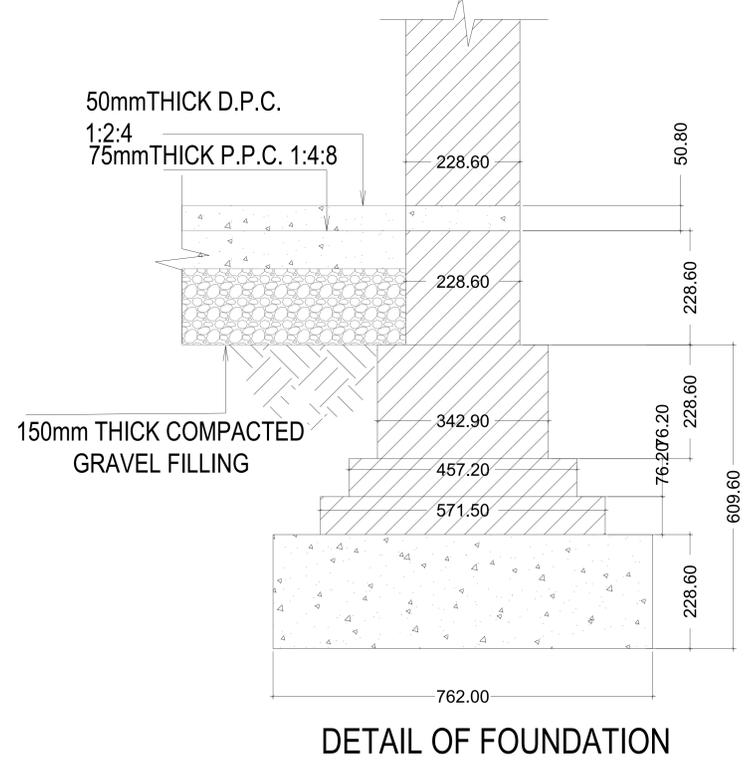
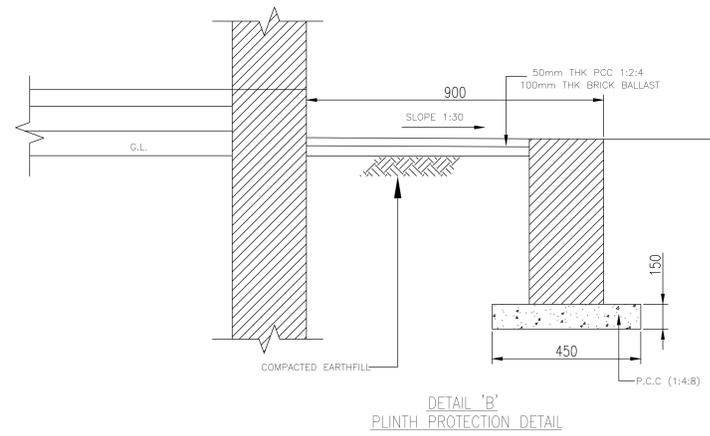
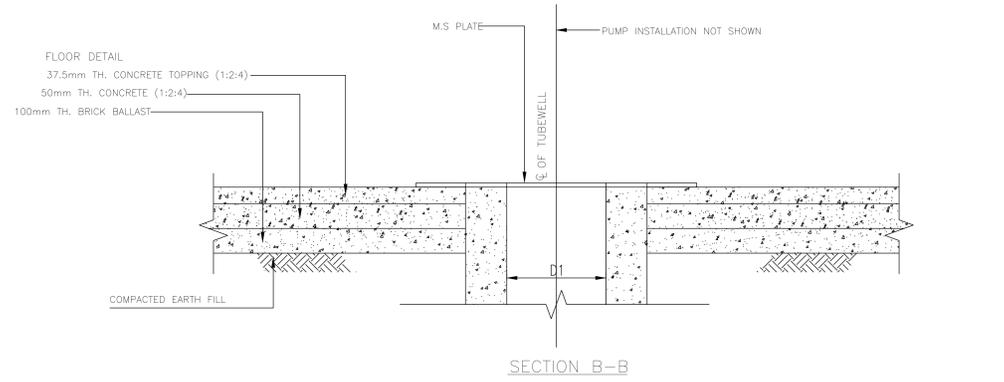
LEGEND:

-  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:

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
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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.





CLIENT :

**PUBLIC HEALTH ENGINEERING
 DEPARTMENT KHYBER
 PAKHTUNKHWA**

CONSULTANT:

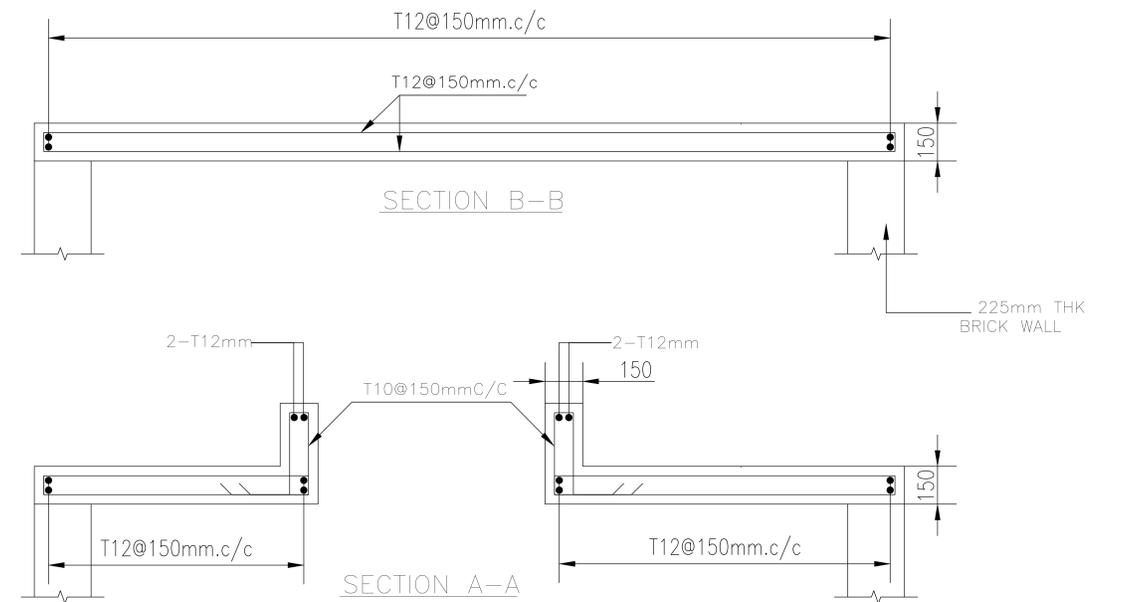
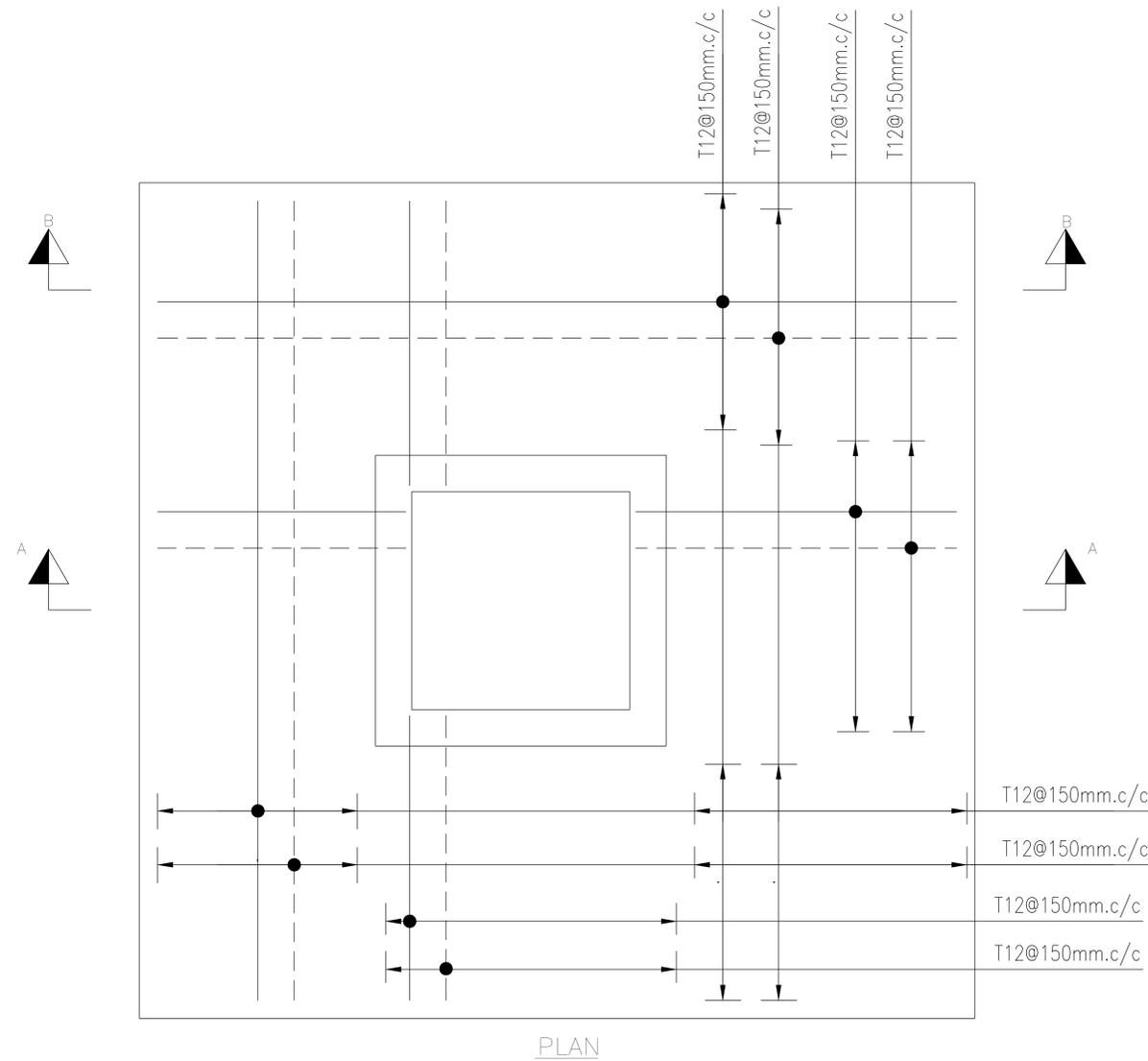
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 PROJECT IN NEWLY MERGED DISTRICTS OF
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DRAWING TITLE :
 EXISTING REHAB SCHEMES
 DISTRICT BAJAUR
 CHAMBER ROOM DETAILS

Designed By :	Date :	No.	Revision	By	Date
Dr. ASFAHAN ALI	FEB 2026				
Drawn By :	Scale :				
NAEEM BAKHSH	N.T.S				
Checked By :	Drawing No :				
RABEEA REHMAN					
Approved By :	KPR/REH/BJD/-2105				
RABEEA REHMAN					



CLIENT :

 PUBLIC HEALTH ENGINEERING
 DEPARTMENT KHYBER
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CONSULTANT:

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International **JV**

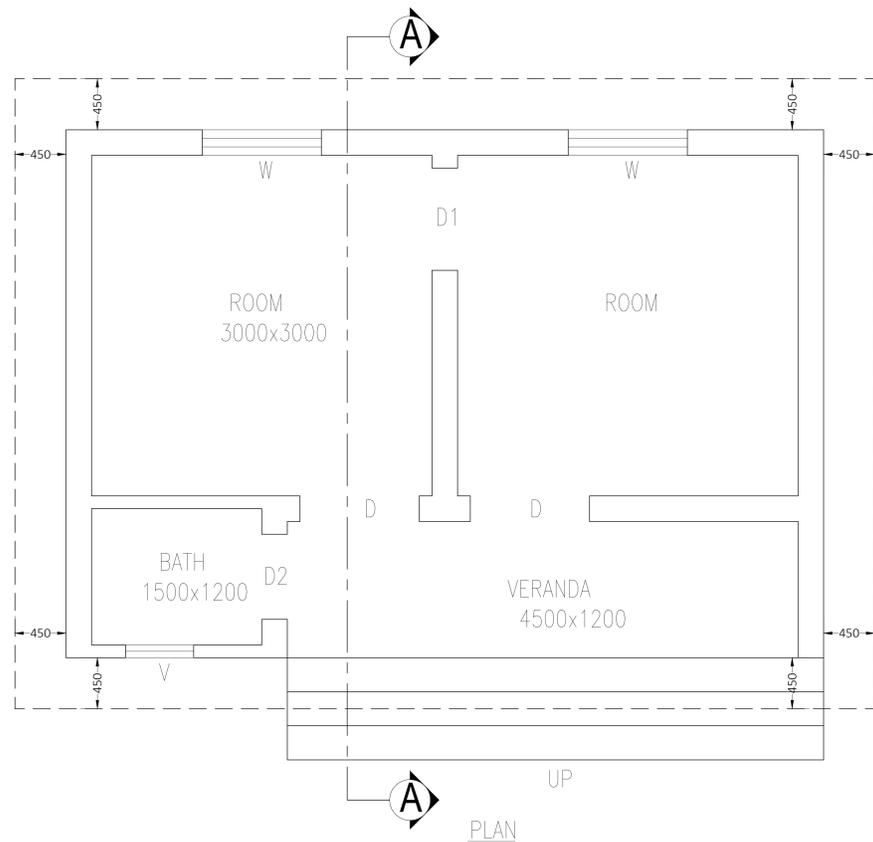
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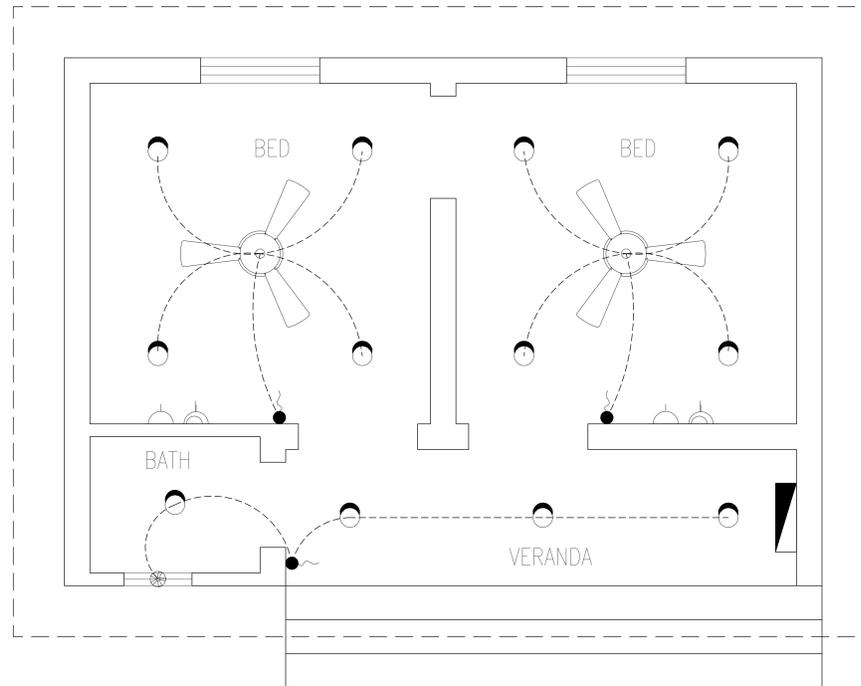
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CHOWKIDAR HUT

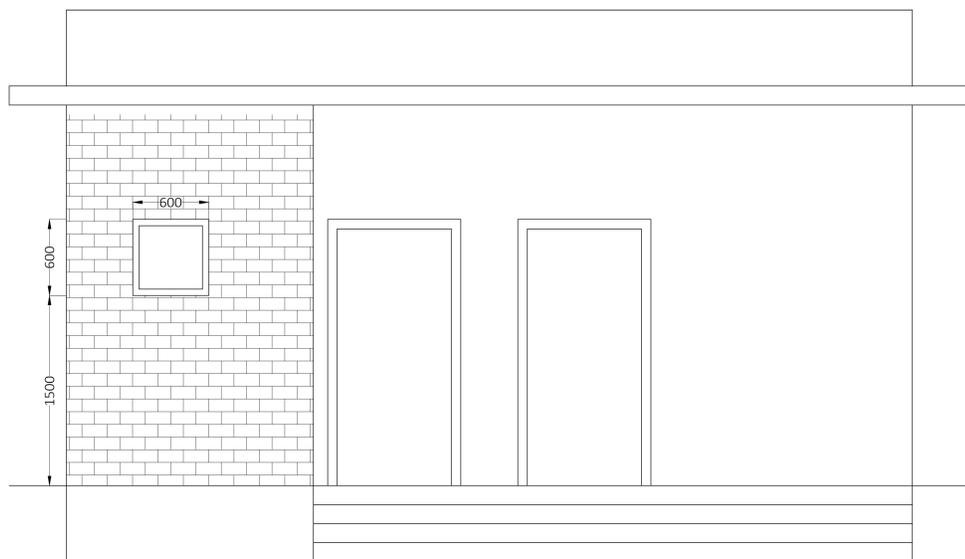


PLAN

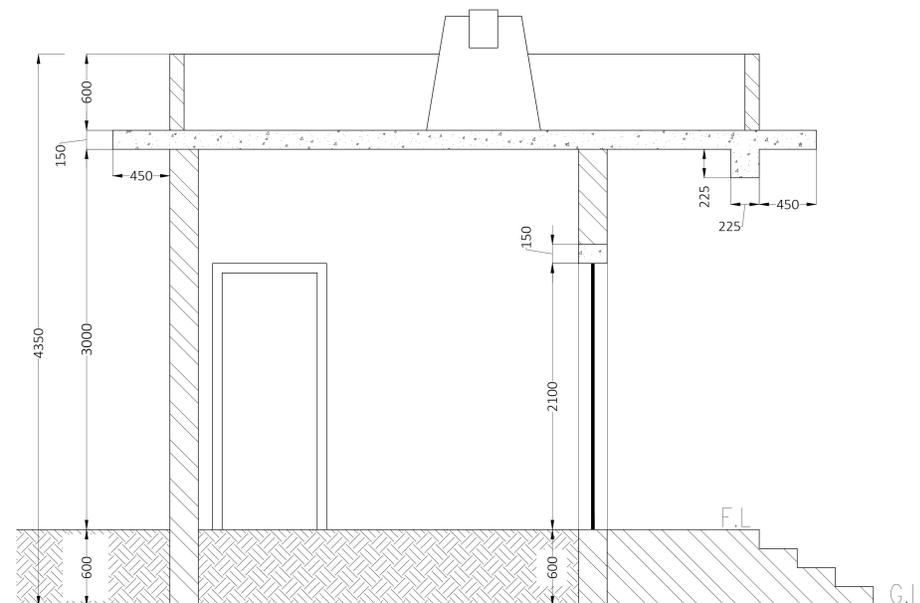


ELECTRICAL PLAN

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	

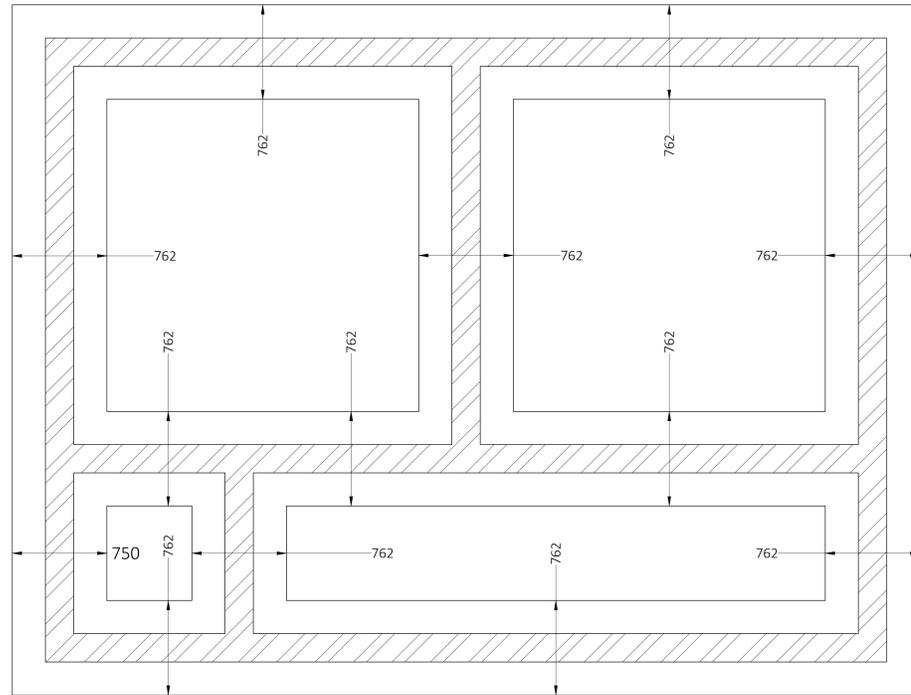


FRONT ELEVATION



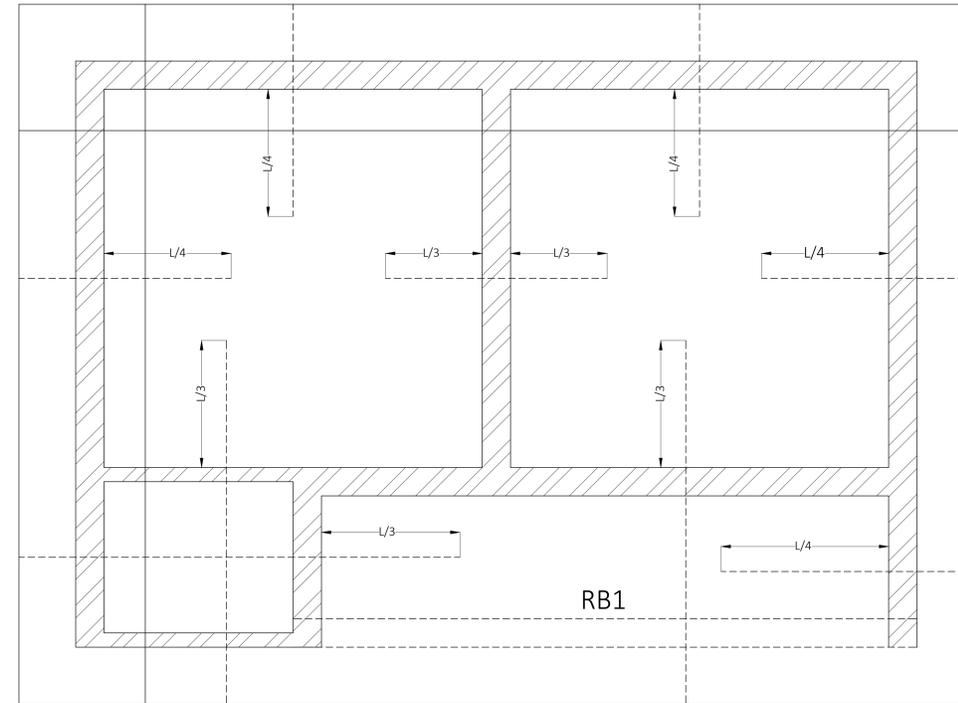
SECTION AT A-A

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

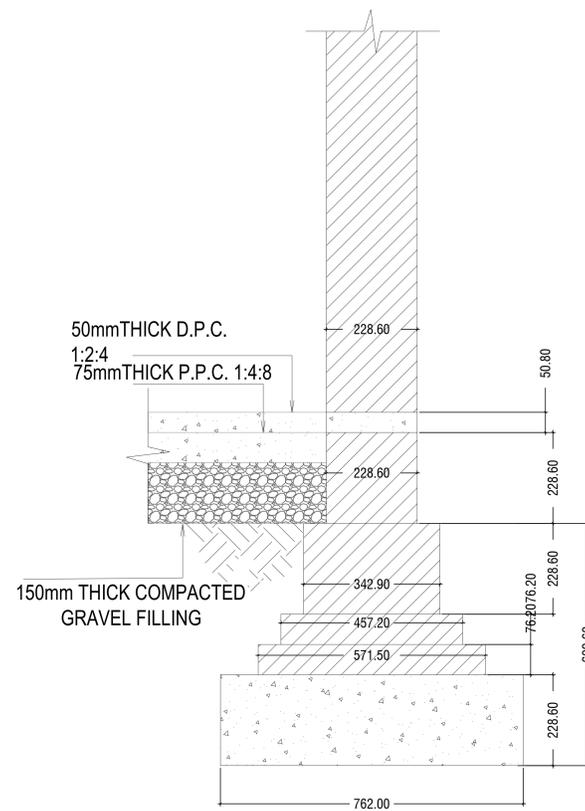


FOOTING PLAN

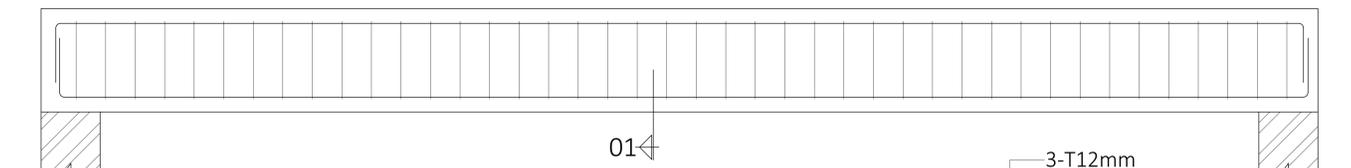
ALL SLABS ARE 150mm THICK & ALL BARS ARE T12mm@225mm C/C



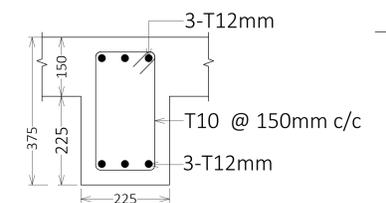
ROOF BEAM & SLAB PLAN



DETAIL OF FOUNDATION



LONG SECTION OF ROOF BEAMS RB1



RB1 SECTION_01

CLIENT :

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 KHYBER PAKHTUNKHWA**

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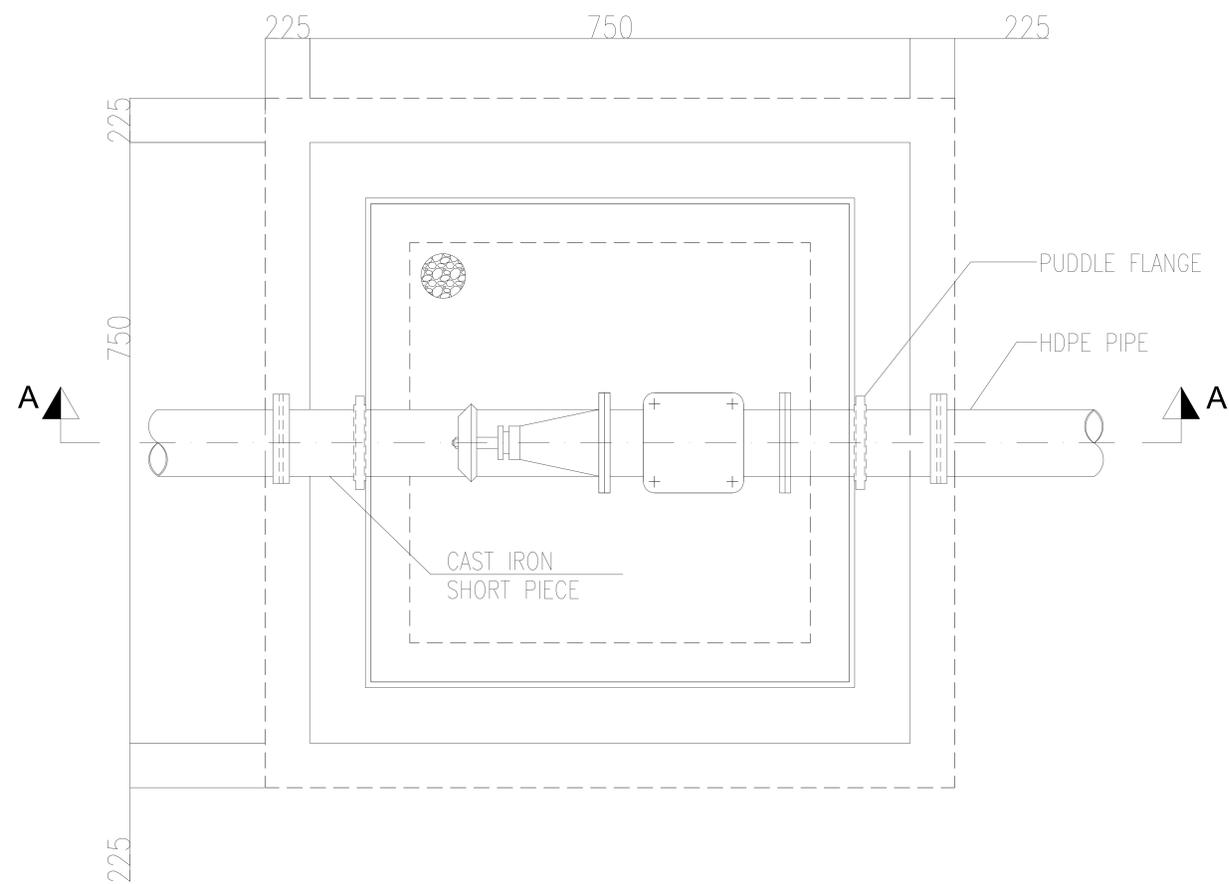
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 CHOWKIDAR HUT
 DETAILS

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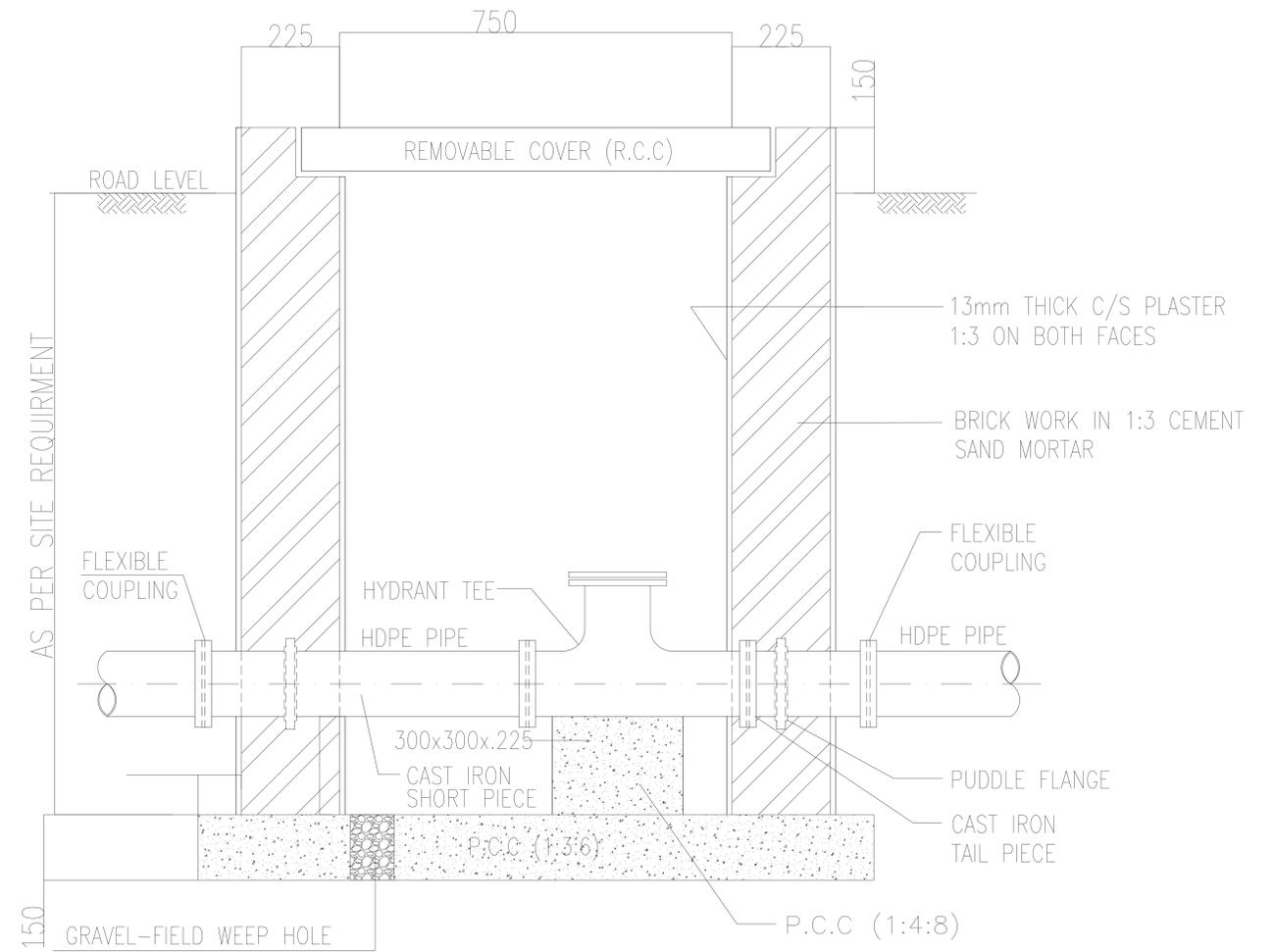
Date : FEB 2026
 Scale : N.T.S
 Drawing No :
 KPR/REH/BJD/-2102

No.	Revision	By	Date

VALVE CHAMBER



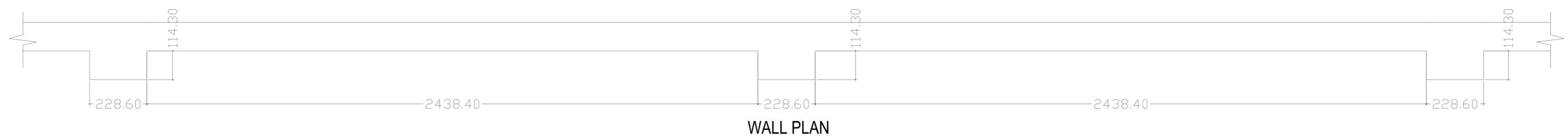
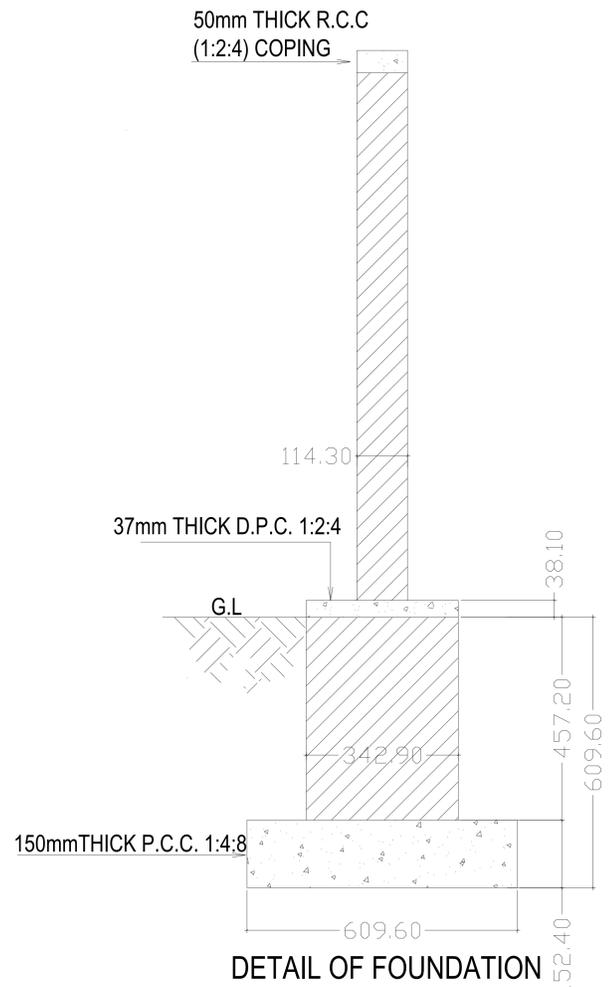
SECTIONAL PLAN OF AIR VALVE CHAMBER



SECTION A-A

CLIENT :  PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA	CONSULTANT:  Techno-Consult <i>International</i>	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				

BOUNDARY WALL



 <p>CLIENT : PUBLIC HEALTH ENGINEERING DEPARTMENT KHYBER PAKHTUNKHWA</p>	 <p>CONSULTANT: Techno-Consult International JV</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 BOUNDARY WALL PLAN ,FRONT ELEVATION & SECTION AT A-A</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/-2108				