

Jayyous Municipality

**Rehabilitation and Operate of Dround Water Well in
Jayyouse Village**

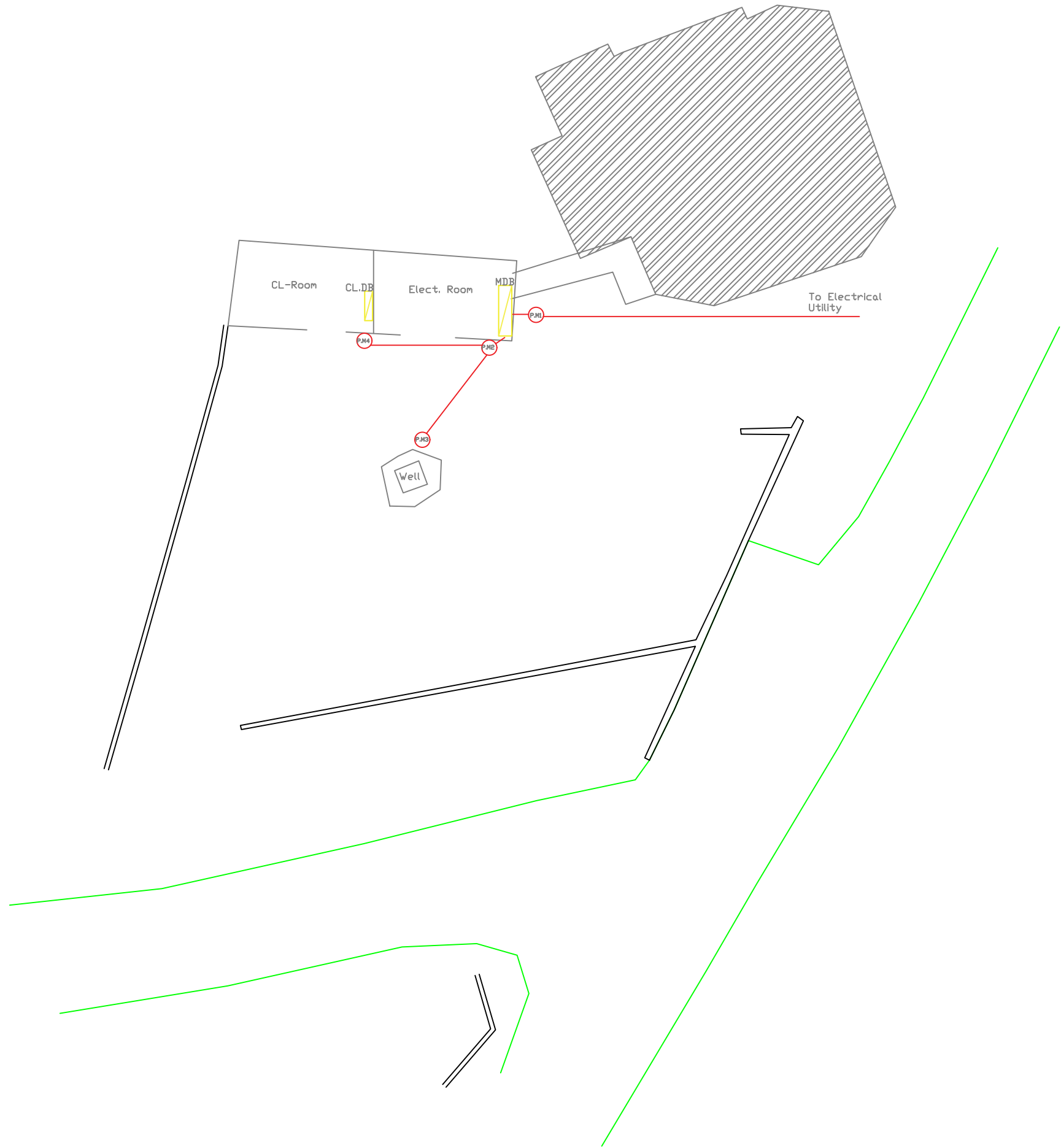
Qalqilya - Jayyous

DESIGN DRAWINGS

ENGINEERS

Consultants and Project Managers

July. 2021



NOTES:-

REVISIONS

| No. | DESCRIPTION | DATE |
|-----|-------------|------|
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CLIENT:

PROJECT NAME:

Rehabilitation and Operate of
Dround Water Well in Jayyouse
Village

SHEET TITLE :

Power Cables

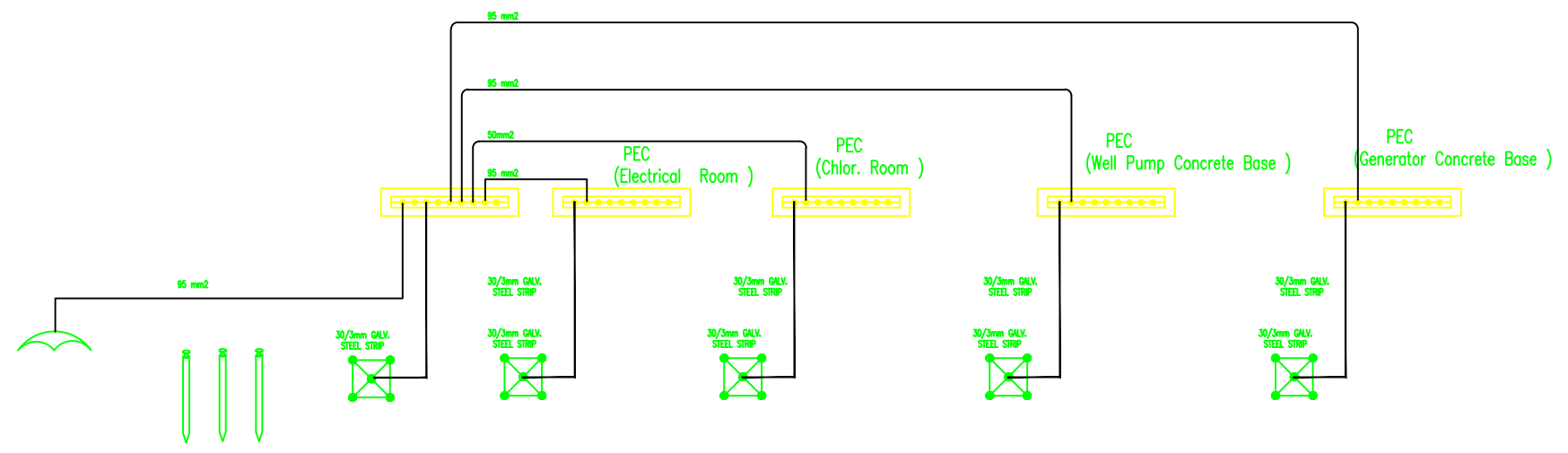
LOCATION:

Office:

ENGINEERS

Consultants and Project Managers

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|----------|-------|----------|----------|
| DESIGNED | A . Q | SCALE | 1 / 50 |
| CHECKED | M . H | DATE | 6 / 2021 |
| APPROVED | M . H | DRG. No. | E01 |
| DRAWN | A . Q | | |



NOTES:-

REVISIONS

| No. | DESCRIPTION | DATE |
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CLIENT:

PROJECT NAME:

Rehabilitation and Operate of
Dround Water Well in Jayyouse
Village

SHEET TITLE :

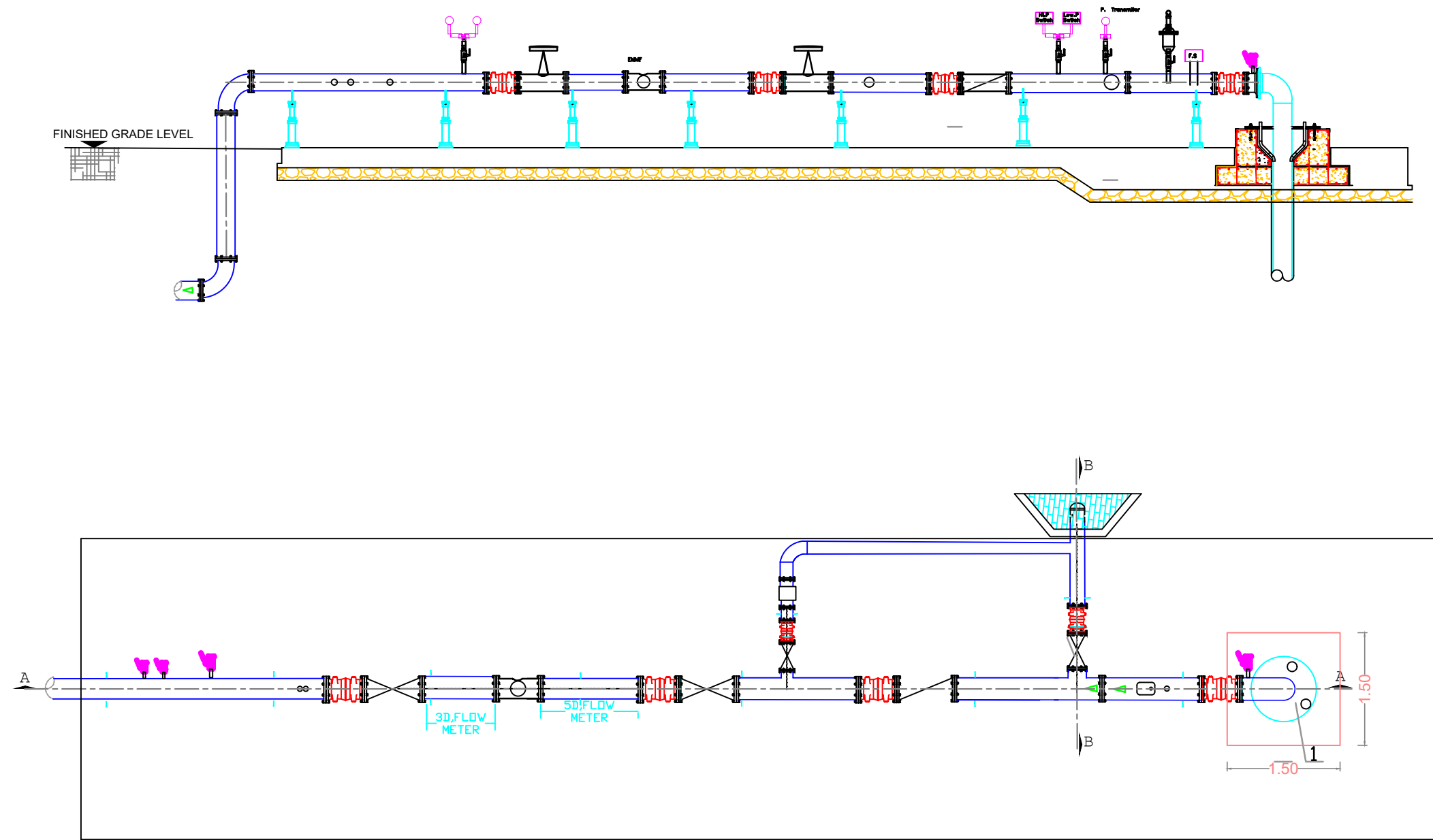
Earthing System

LOCATION:

Office:

ENGINEERS
Consultants and Project Managers

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|----------|-------|----------|--------|
| DESIGNED | A . Q | SCALE | 1/50 |
| CHECKED | M . H | DATE | 6/2021 |
| APPROVED | M . H | DRG. No. | E03 |
| DRAWN | A . Q | | |



PLAN

NOTES:-

REVISIONS

| No. | DESCRIPTION | DATE |
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CLIENT:

PROJECT NAME:

Rehabilitation and Operate of
Dround Water Well in Jayyouse
Village

SHEET TITLE :

WELL PUMP CONNECTION DETAILS

LOCATION:

Office:

ENGINEERS

Consultants and Project Managers

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|----------|------|----------|--------|
| DESIGNED | A. Q | SCALE | 1/50 |
| CHECKED | M. H | DATE | 6/2021 |
| APPROVED | M. H | DRG. No. | E02 |
| DRAWN | A. Q | | |



-DOSING PUMP SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO CONTAINER.

-STANDBY CONTAINERS SHALL BE COMPLETE WITH ALL
AUTOMATIC CHANGEOVER EQUIPMENT

-DOSING PUMP STANDARD LIQUID ENDS PROMINENT TYPE
OR EQUAL OF Q=2.2L/hr AND P= 16BAR

CONSTRUCTION OF PUMP ALL THE FOLLOWING
PUMP HEAD: ACRYLIC
SUCTION/PRESSURE CONNECTOR: PVC
O-RINGS: VITON
BALLS: CERAMIC

-INJECTOR/PROMINENT TYPE OR EQUAL NO.2

—MOVABLE ELECTRICAL PUMP SHALL BE PROMINENT
TYPE OR EQUAL OF 6000 LITRE/HOUR CAPACITY

| REVISIONS | | |
|-----------|-------------|------|
| No. | DESCRIPTION | DATE |
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CLIENT:

PROJECT NAME:

Rehabilitation and Operate of Dround Water Well in Jayyouse Village

SHEET TITLE :

single line diagram

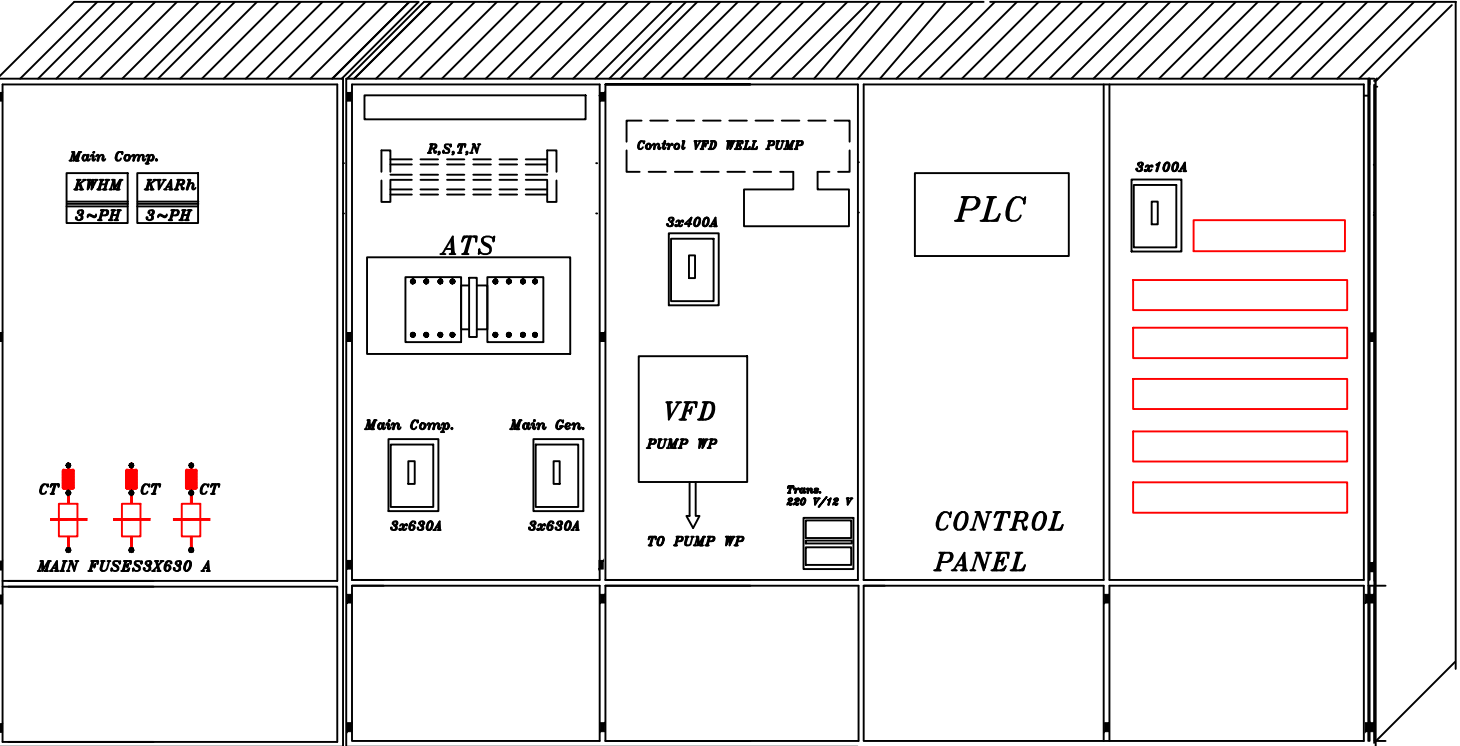
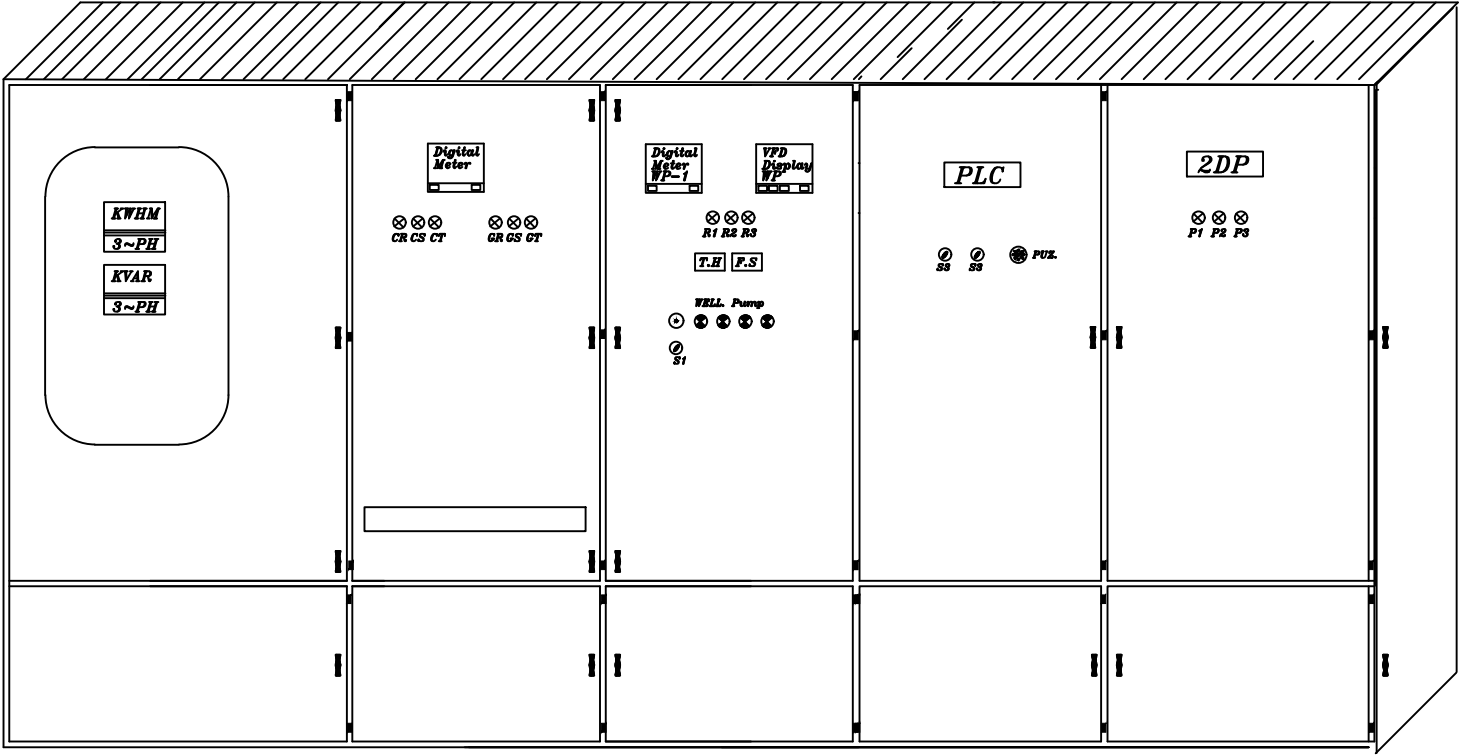
LOCATION:

Office:

ENGINEERS

Consultants and Project Managers

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| DESIGNED | A. Q | SCALE | NTS |
| CHECKED | M. H | DATE | 6/2021 |
| APPROVED | M. H | DRG. No. | E04 |
| DRAWN | A. Q | | |



- NOTES:-**
- DOSING PUMP SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO CONTAINER.
 - STANDBY CONTAINERS SHALL BE COMPLETE WITH ALL AUTOMATIC CHANGEOVER EQUIPMENT
 - DOSING PUMP STANDARD LIQUID ENDS PROMINENT TYPE OR EQUAL OF Q=2.2L/hr AND P= 16BAR
- CONSTRUCTION OF PUMP ALL THE FOLLOWING

PUMP HEAD: ACRYLIC

SUCTION/PRESSURE CONNECTOR: PVC

O-RINGS: VITON

BALLS: CERAMIC
- INJECTOR/PROMINENT TYPE OR EQUAL NO.2
 - MOVABLE ELECTRICAL PUMP SHALL BE PROMINENT TYPE OR EQUAL OF 6000 LITRE/HOUR CAPACITY

| REVISIONS | | |
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| No. | DESCRIPTION | DATE |
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CLIENT:

PROJECT NAME:

Rehabilitation and Operate of
Dround Water Well in Jayyouse
Village

SHEET TITLE :

Min Distribution Board

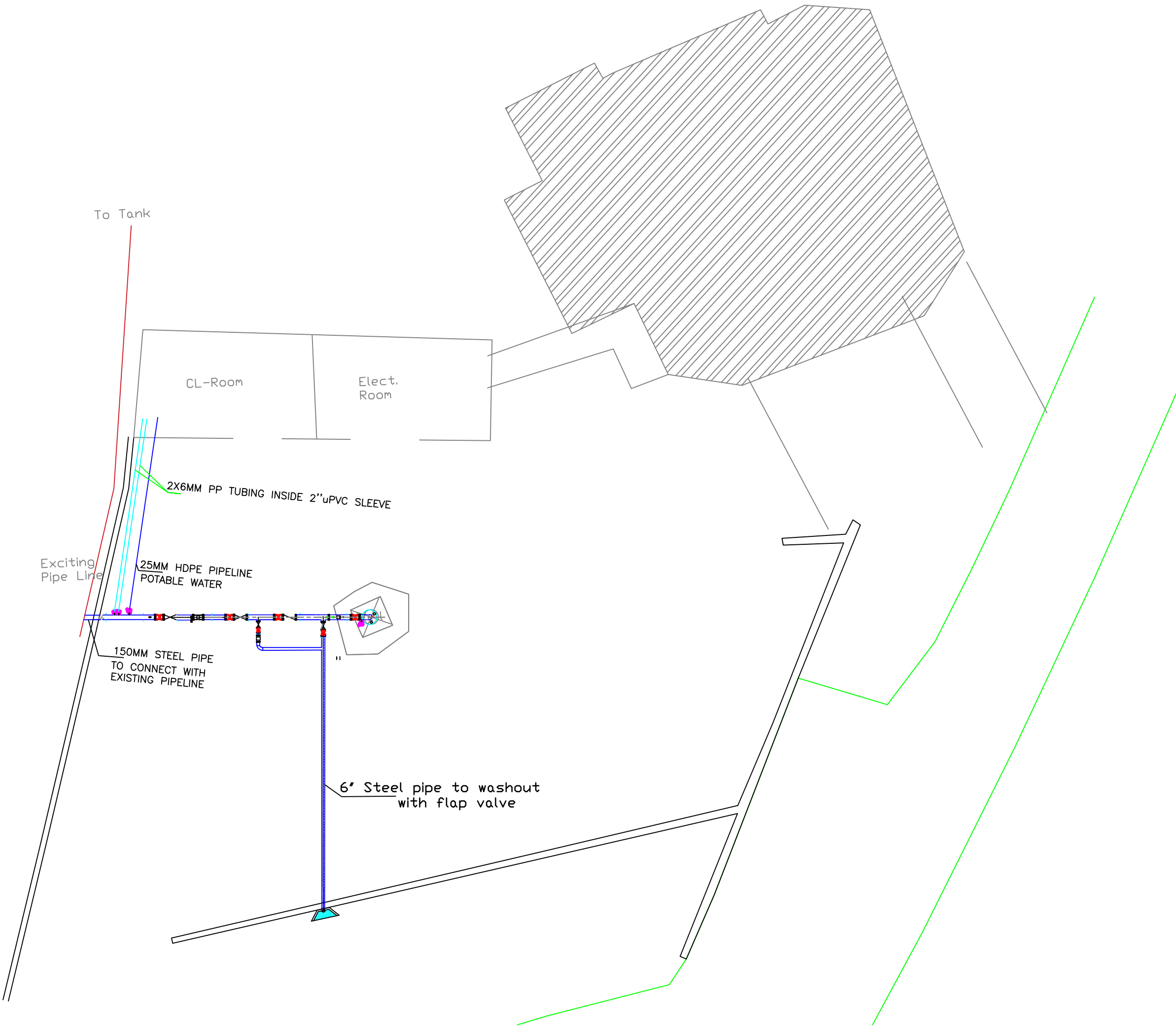
LOCATION:

Office:

ENGINEERS

Consultants and Project Managers

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|----------|-------|----------|--------|
| DESIGNED | A . Q | SCALE | NTS |
| CHECKED | M . H | DATE | 6/2021 |
| APPROVED | M . H | DRG. No. | E05 |
| DRAWN | A . Q | | |



NOTES:-

| REVISIONS | | | |
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| No. | DESCRIPTION | DATE | |
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CLIENT:

Jayyous Municipality

PROJECT NAME:

Rehabilitation and Operate of Ground Water Well in Jayyous Village

SHEET TITLE :

Mechanical Site Plan

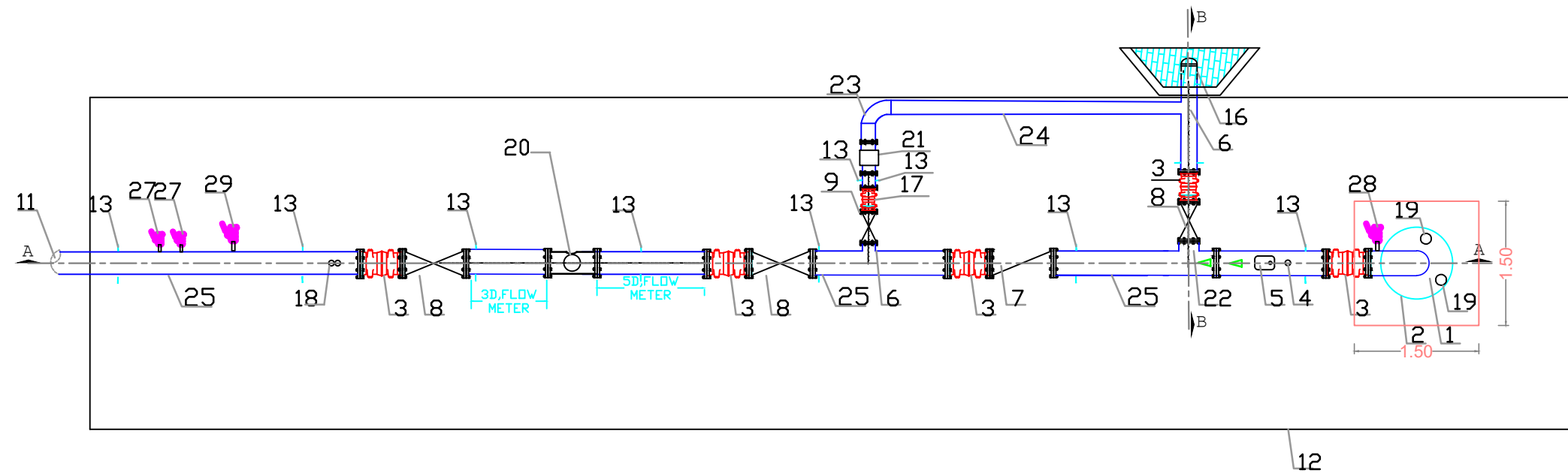
LOCATION:

Office:

ENGINEERS

Consultants and Project Managers

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|----------|-------|----------|----------|
| DESIGNED | A . Q | SCALE | 1 / 100 |
| CHECKED | M . H | DATE | 6 / 2021 |
| APPROVED | M . H | DRG. No. | MO1 |
| DRAWN | A . Q | | |



PLAN

| FITTINGS AND PARTS | |
|--------------------|--|
| NO. | DESCRIPTION |
| 1 | Submersible well Pump Q=125m ³ /hr, TDH=270 m MOTOR CAP.250HP |
| 2 | Deep Well with casing |
| 3 | 6" Dismantling Joint |
| 4 | Flow switch |
| 5 | 2" Flange Air release valve with 2" flange gate valve |
| 6 | 6"/4" TEE Flanges |
| 7 | 6" Check Valve |
| 8 | 6" Gate Valve |
| 9 | 4" Gate Valve |
| 10 | 4" Steel pipe to (washout) |

| FITTINGS AND PARTS | |
|--------------------|---|
| NO. | DESCRIPTION |
| 11 | 6" Steel pipe to connect with existing pipeline |
| 12 | 12mx4m concrete Pad |
| 13 | Adjustable Pipe Jack Support Refer to Detail DRW NO. M-04 |
| 14 | Sole plate with 6" elbow |
| 15 | 6" Steel elbow |
| 16 | 6" Steel pipe to washout with flap valve |
| 17 | 4" Dismantling Joint |
| 18 | 4" Pressure Gauge & Pressure switch with ball valve |
| 19 | 2x 1.5" HDPE PIPE FOR Level switch inside well & one spare |
| 20 | 6" Magnetic Flow meter |
| 21 | 4" Pressure Relief valve |

| FITTINGS AND PARTS | |
|--------------------|---|
| NO. | DESCRIPTION |
| 22 | 6" Flange Tee |
| 23 | 4" Elbow |
| 24 | 4" Steel Pipe |
| 25 | 6" Steel Pipe |
| 26 | 6" 45 Elbow |
| 27 | 1/2" Coupling FOR welding with 1/2" Stop Valve for chlorine injection |
| 28 | 1/2" Coupling FOR welding with 1/2" Stop Valve for well water test |
| 29 | 1" Coupling FOR welding with 1" inside chlorination room |

NOTES:-

REVISIONS

| No. | DESCRIPTION | DATE |
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CLIENT:

Jayyous Municipality

PROJECT NAME:

Rehabilitation and Operate of Ground
Water Well in Jayyous Village

SHEET TITLE:

WELL PUMP CONNECTION PLAN

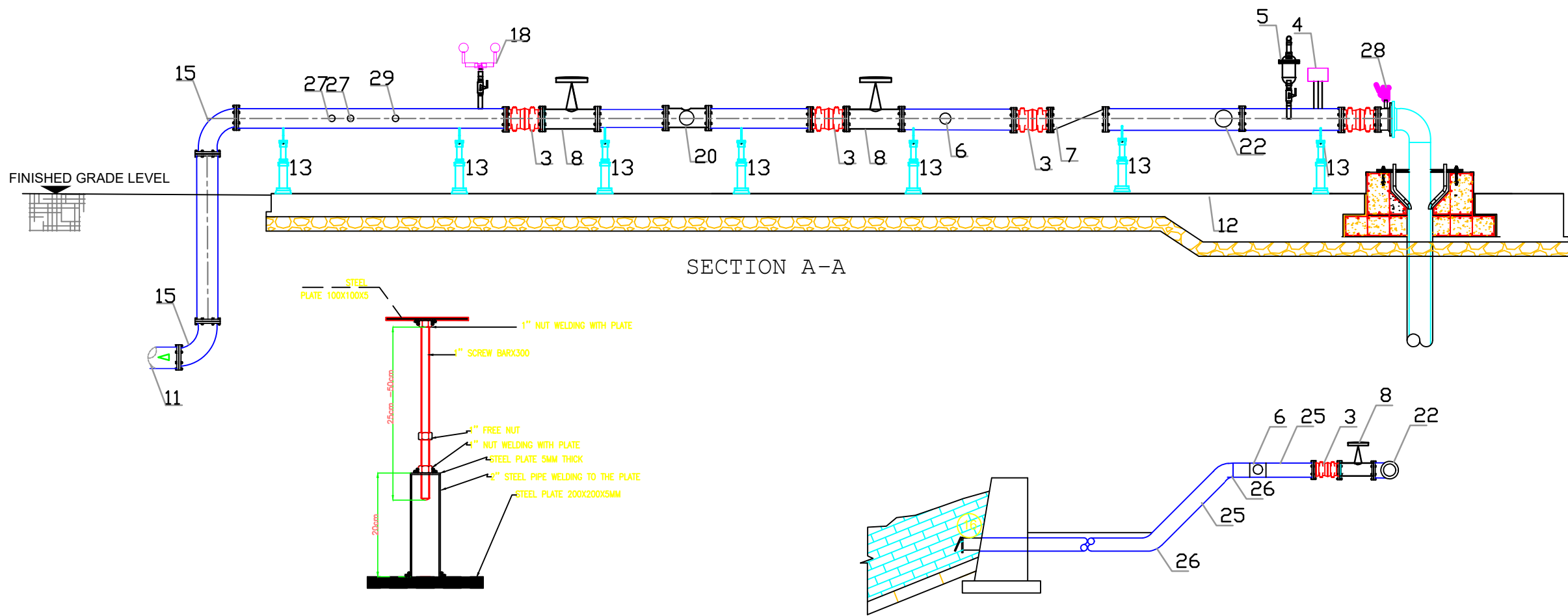
LOCATION:

Office:

ENGINEERS

Consultants and Project Managers

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|----------|------|----------|--------|
| DESIGNED | A. Q | SCALE | 1/50 |
| CHECKED | M. H | DATE | 6/2021 |
| APPROVED | M. H | DRG. No. | M02 |
| DRAWN | A. Q | | |



ADJUSTABLE PIPE JACK SUPPORT DETAIL
NOT TO SCALE

SECTION B-B

| FITTINGS AND PARTS | |
|--------------------|--|
| NO. | DESCRIPTION |
| 1 | Submersible well Pump Q=125m ³ /hr, TDH=270 m MOTOR CAP.250HP |
| 2 | Deep Well with casing |
| 3 | 6" Dismantling Joint |
| 4 | Flow switch |
| 5 | 2" Flange Air release valve with 2" flange gate valve |
| 6 | 6"/4" TEE Flanges |
| 7 | 6" Check Valve |
| 8 | 6" Gate Valve |
| 9 | 4" Gate Valve |
| 10 | 4" Steel pipe to (washout) |

| FITTINGS AND PARTS | |
|--------------------|---|
| NO. | DESCRIPTION |
| 11 | 6" Steel pipe to connect with existing pipeline |
| 12 | 3mx2m concrete Pad |
| 13 | Adjustable Pipe Jack Support Refer to Detail DRW NO. M-04 |
| 14 | Sole plate with 6" elbow |
| 15 | 6" Steel elbow |
| 16 | 6" Steel pipe to washout with flap valve |
| 17 | 4" Dismantling Joint |
| 18 | 4" Pressure Gauge & Pressure switch with ball valve |
| 19 | 2x 1.5" HDPE PIPE FOR Level switch inside well & one spare |
| 20 | 6" Magnetic Flow meter |
| 21 | 4" Pressure Relief valve |

| FITTINGS AND PARTS | |
|--------------------|---|
| NO. | DESCRIPTION |
| 22 | 6" Flange Tee |
| 23 | 4" Elbow |
| 24 | 4" Steel Pipe |
| 25 | 6" Steel Pipe |
| 26 | 6" 45 Elbow |
| 27 | 1/2" Coupling FOR welding with 1/2" Stop Valve (for chlorine injection) |
| 28 | 1/2" Coupling FOR welding with 1/2" Stop Valve (for well water test) |
| 29 | 1" Coupling FOR welding with 1" inside chlorination room |

NOTES:-

REVISIONS

| No. | DESCRIPTION | DATE |
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CLIENT:

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PROJECT NAME:

Rehabilitation and Operate of Ground
Water Well in Jayyous Village

SHEET TITLE :

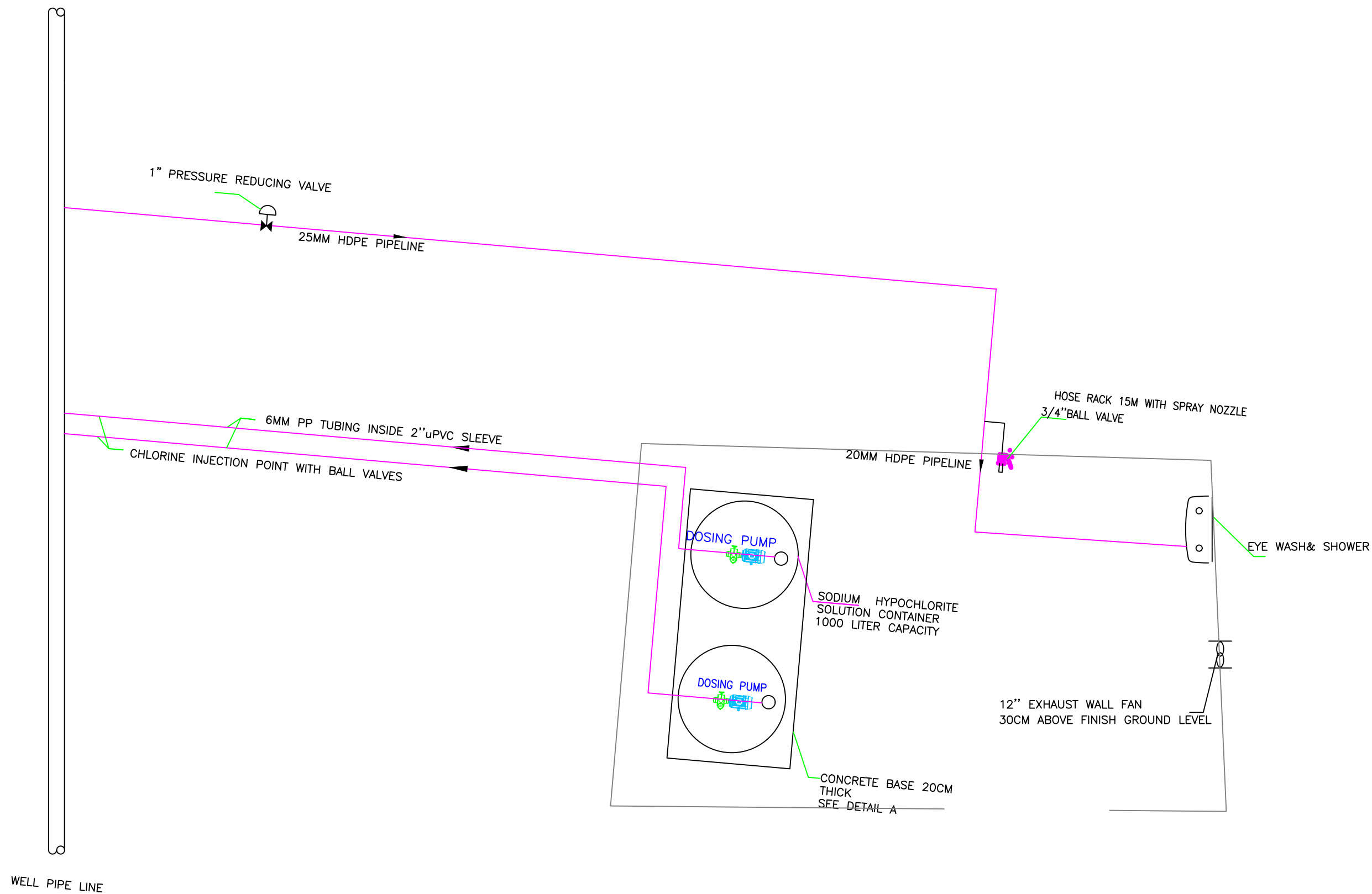
WELL PUMP CONNECTION DETAILS

LOCATION:

Office:

ENGINEERS
Consultants and Project Managers

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|----------|------|----------|--------|
| DESIGNED | A. Q | SCALE | 1/50 |
| CHECKED | M. H | DATE | 6/2021 |
| APPROVED | M. H | DRG. No. | M03 |
| DRAWN | A. Q | | |



NOTES:-

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REVISIONS

| No. | DESCRIPTION | DATE |
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CLIENT:

Jayyous Municipality

PROJECT NAME:

Rehabilitation and Operate of Ground Water Well in Jayyous Village

SHEET TITLE :

CHLORINATION ROOM
HYPO-CHLORINATION SYSTEM

LOCATION:

Office:

ENGINEERS

Consultants and Project Managers

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|----------|------|----------|--------|
| DESIGNED | A. Q | SCALE | NTS |
| CHECKED | M. H | DATE | 6/2021 |
| APPROVED | M. H | DRG. No. | MO4 |
| DRAWN | A. Q | | |