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- All levels are in meters unless otherwise stated.

REV.	DESCRIPTION	DATE

CLIENT

MUSLIM HANDS YEMEN

Khor Maksar, Abyan coast, Aden, Yemen +967 02 235571, muslimhands.org.uk

PROJECT

Drilling Two Boreholes and Installation of Transmission Pipeline in Marib City - Marib Gov - Yemen

Project. Code:

LOCATION

Marib City District - Marib Governorate, Yemen

TITLE

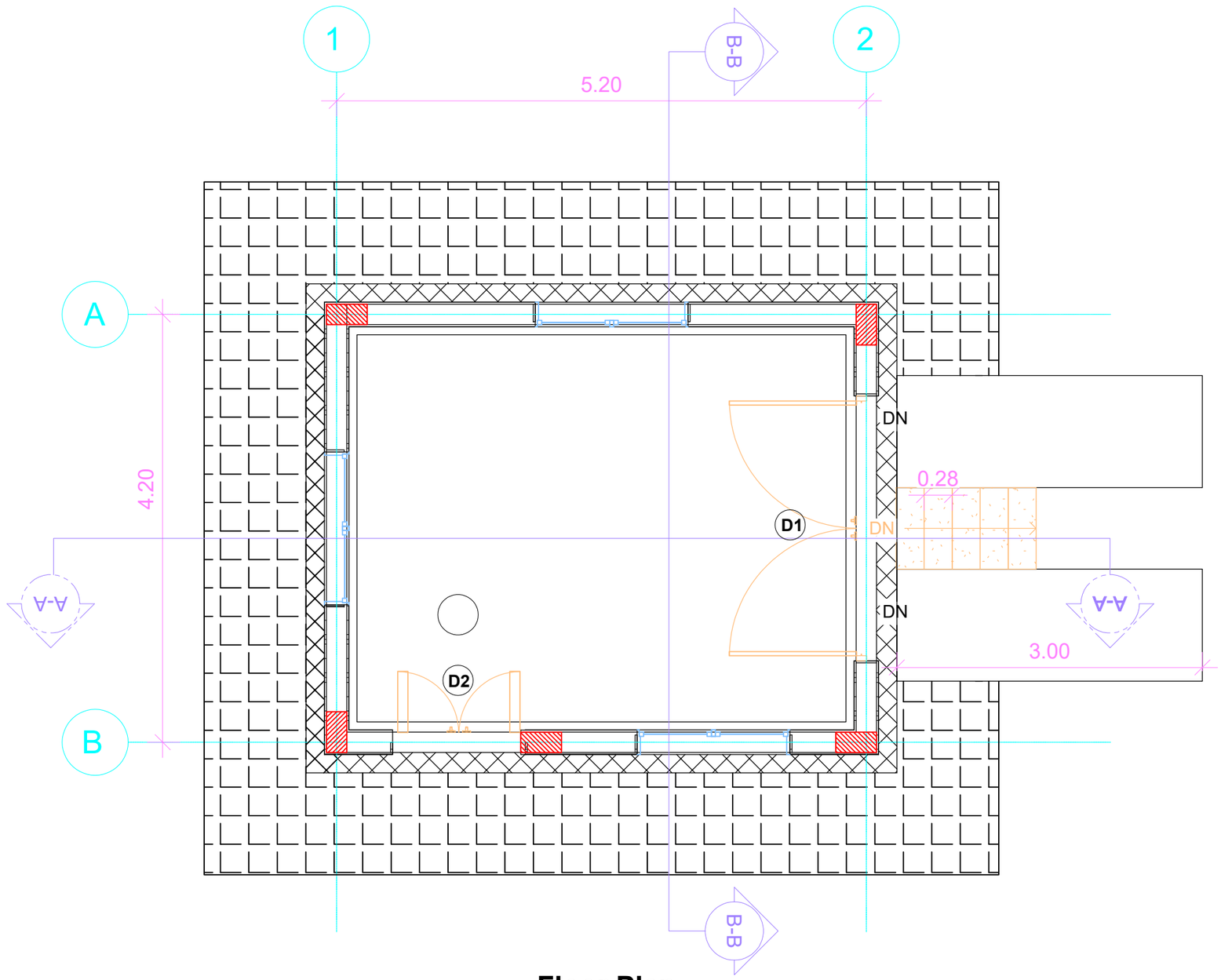
Borehole Room

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

00



Floor Plan

1
100

جـــدول الأبـــــواب

الرمز	الأبعـاد العرض	الأبعـاد الارتفاع	العدد	نوع البـاب	الأعتـاب الارتفاع	الأعتـاب المـادة	ملاحظـــات
D1	2.50	2.40		باب حديد	20	خرسانة مسلحة	
D2	1.20	3.50		باب حديد	20	خرسانة مسلحة	
D3	1.20	2.20		باب حديد			

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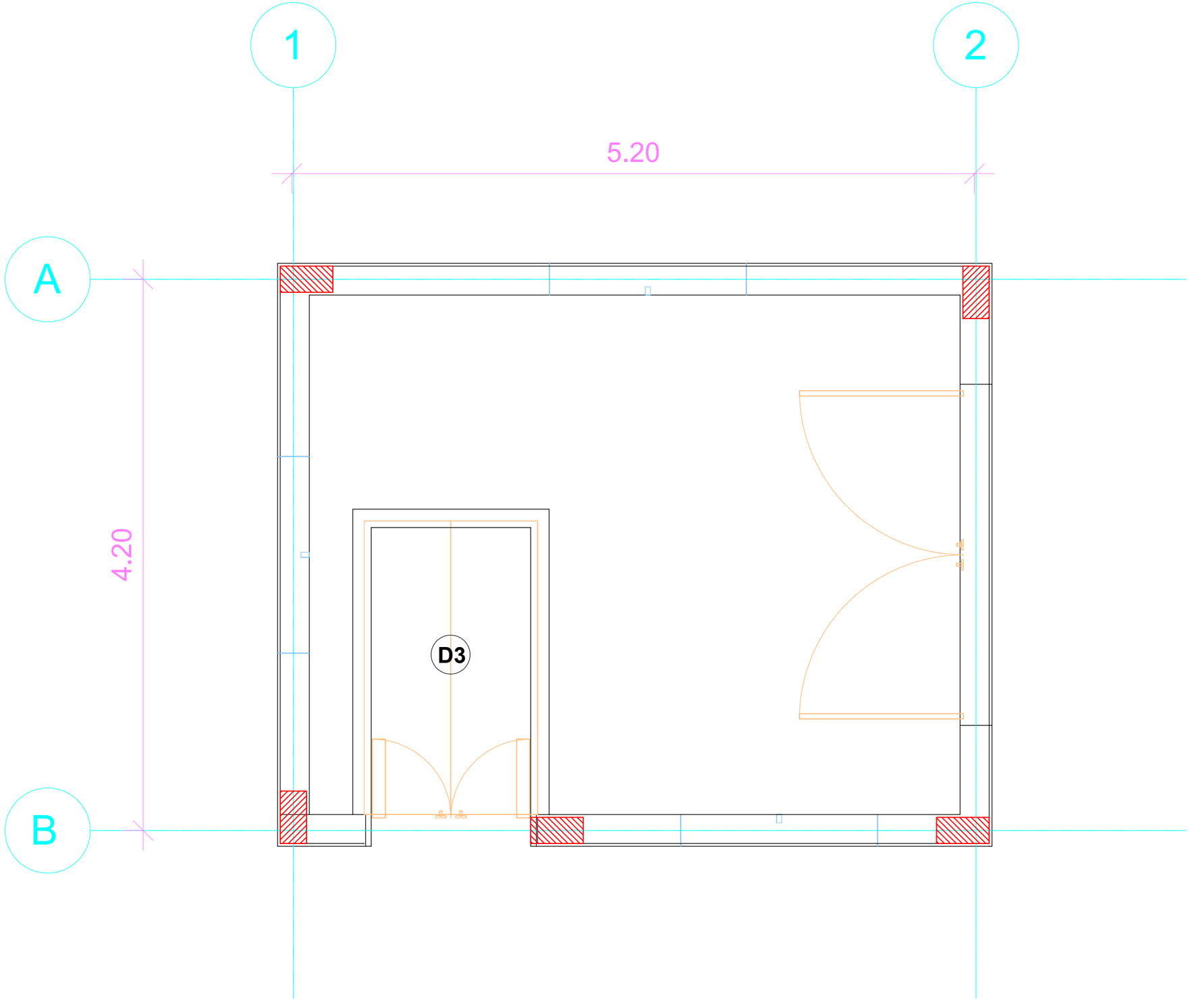
Borehole Room

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

00



Roof Plan

1
100

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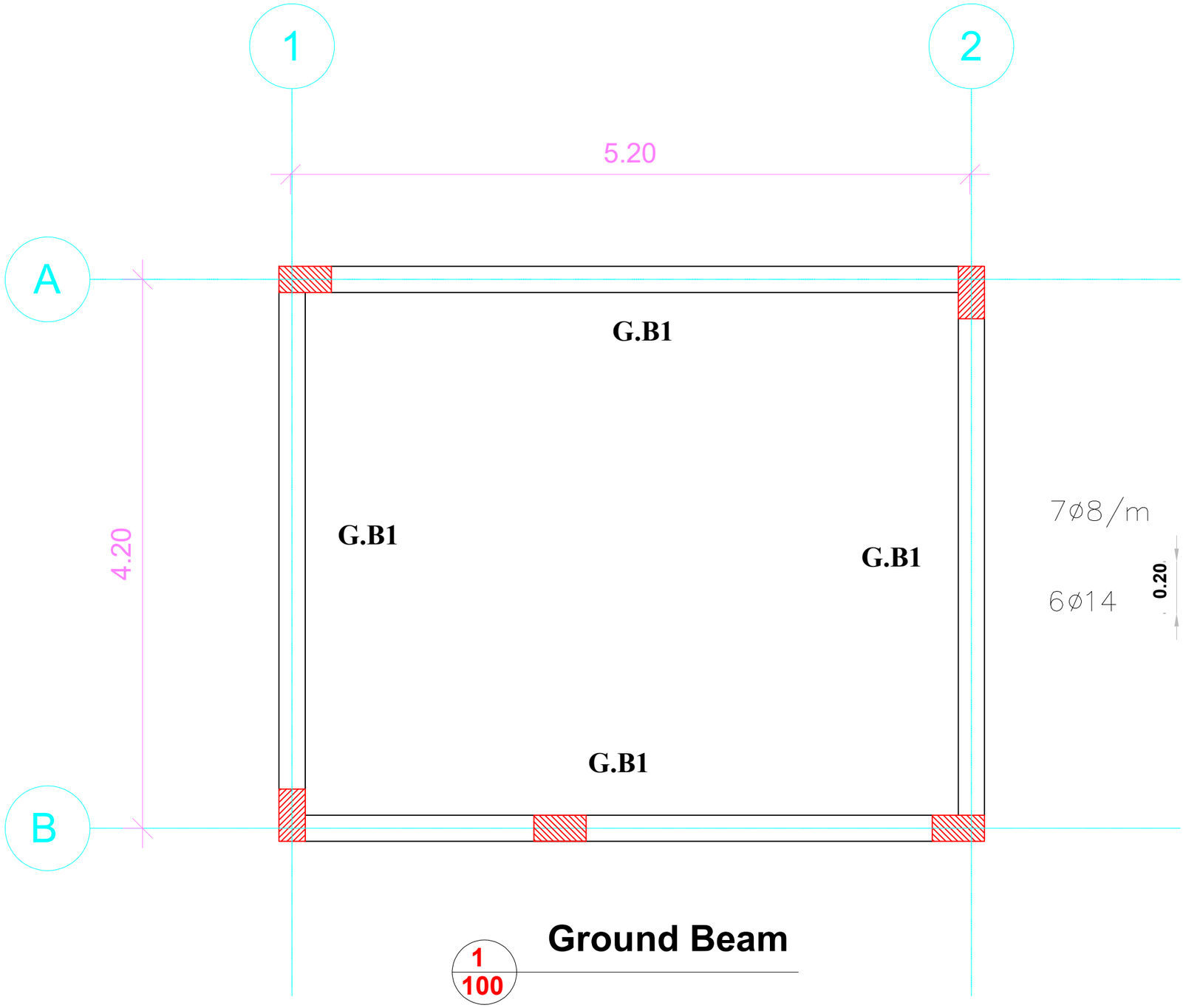
Borehole Room

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

00



Ground Beam

1
100

C1

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جدول تسليح الميدة

نموذج	قطـــاع			تسليح علوي		ملاحـظات
		مستقيم	مكسح			
G.B1	40×20	2∅ 16	2∅ 16	2∅ 14	7ø8/m	

REV.	DESCRIPTION	DATE

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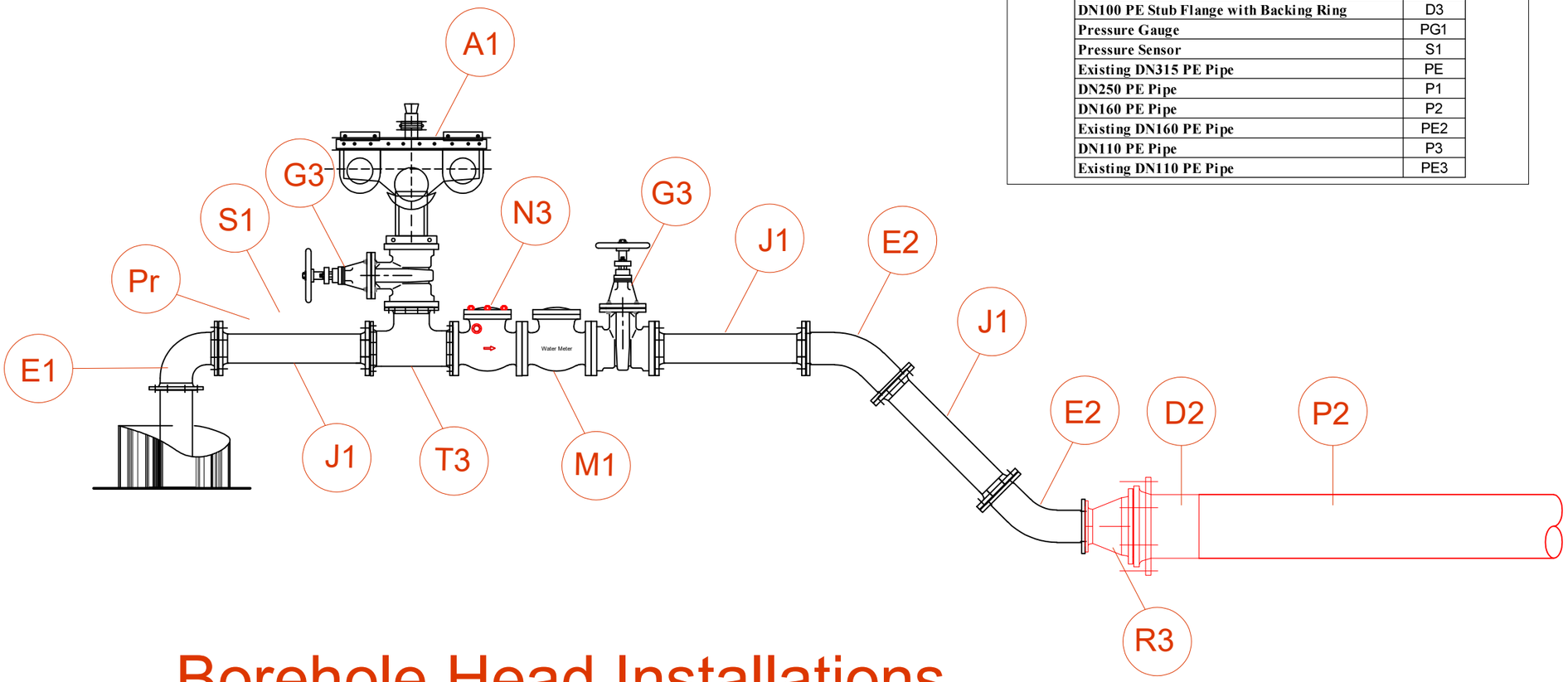
TITLE

Borehole Room

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No 00



Borehole Head Installations

VALVE, FITTING & INSTRUMENT SCHEDULE	
DESCRIPTION	ITEM NO.
DN250 DI Flanged Gate Valve	G1
DN150 DI Flanged Gate Valve	G2
DN100 DI Flanged Gate Valve	G3
DN 250 DI Flanged Non-Return Valve	N1
DN 150 DI Flanged Non-Return Valve	N2
DN 100 DI Flanged Non-Return Valve	N3
DN 100 DI Flanged Air Valve	A1
DN 100 DI Flanged Flow Meter	M1
DN 250*150*250 DI All Flanged Tee	T1
DN 100 DI All Flanged Tee	T3
DN 250 DI All-Flanged Tee with 45° Branch	Y1
DN 150 DI All-Flanged Tee with 45° Branch	Y2
DN300 × DN250 DI Flanged Reduce	R
DN250 × DN150 DI Flanged Reduce	R1
DN150 × DN100 DI Flanged Reducer	R2
DN 100 GI Flanged 90° Bend	E1
DN 100 GI Flanged 45° Bend	E2
DN 100 GI All-Flanged Pipe	J1
DN250 PE Stub Flange with Backing Ring	D1
DN150 PE Stub Flange with Backing Ring	D2
DN100 PE Stub Flange with Backing Ring	D3
Pressure Gauge	PG1
Pressure Sensor	S1
Existing DN315 PE Pipe	PE
DN250 PE Pipe	P1
DN160 PE Pipe	P2
Existing DN160 PE Pipe	PE2
DN110 PE Pipe	P3
Existing DN110 PE Pipe	PE3

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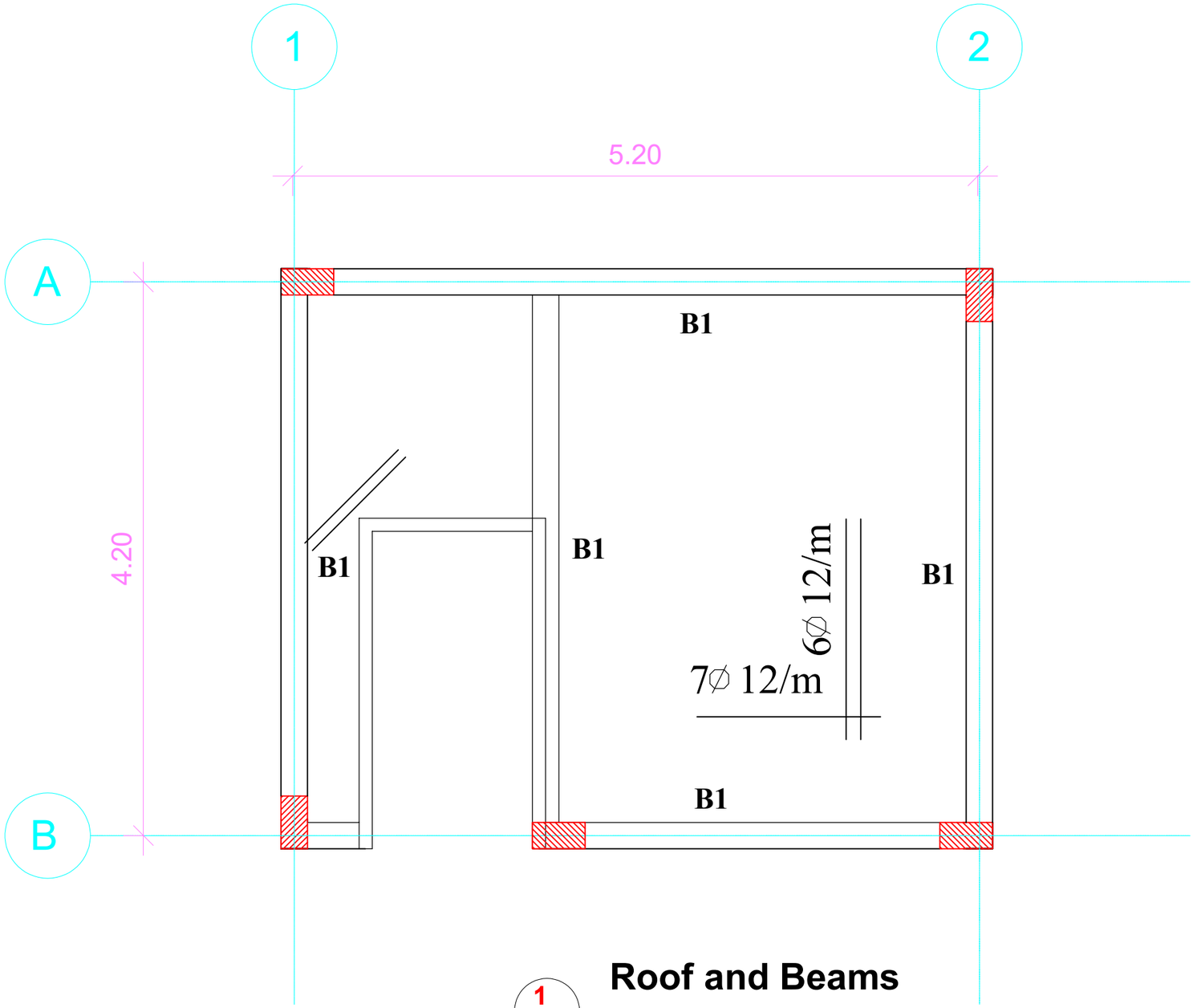
Borehole Room

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

00



Roof and Beams

1
100

جدول تسليح الجسور

نموذج	قطـاع	تسليح			ملاحـظات
		مستقيم	مكسح	علوي	
B1	50×20	2∅ 16	2∅ 16	2∅ 14	7ø8/m

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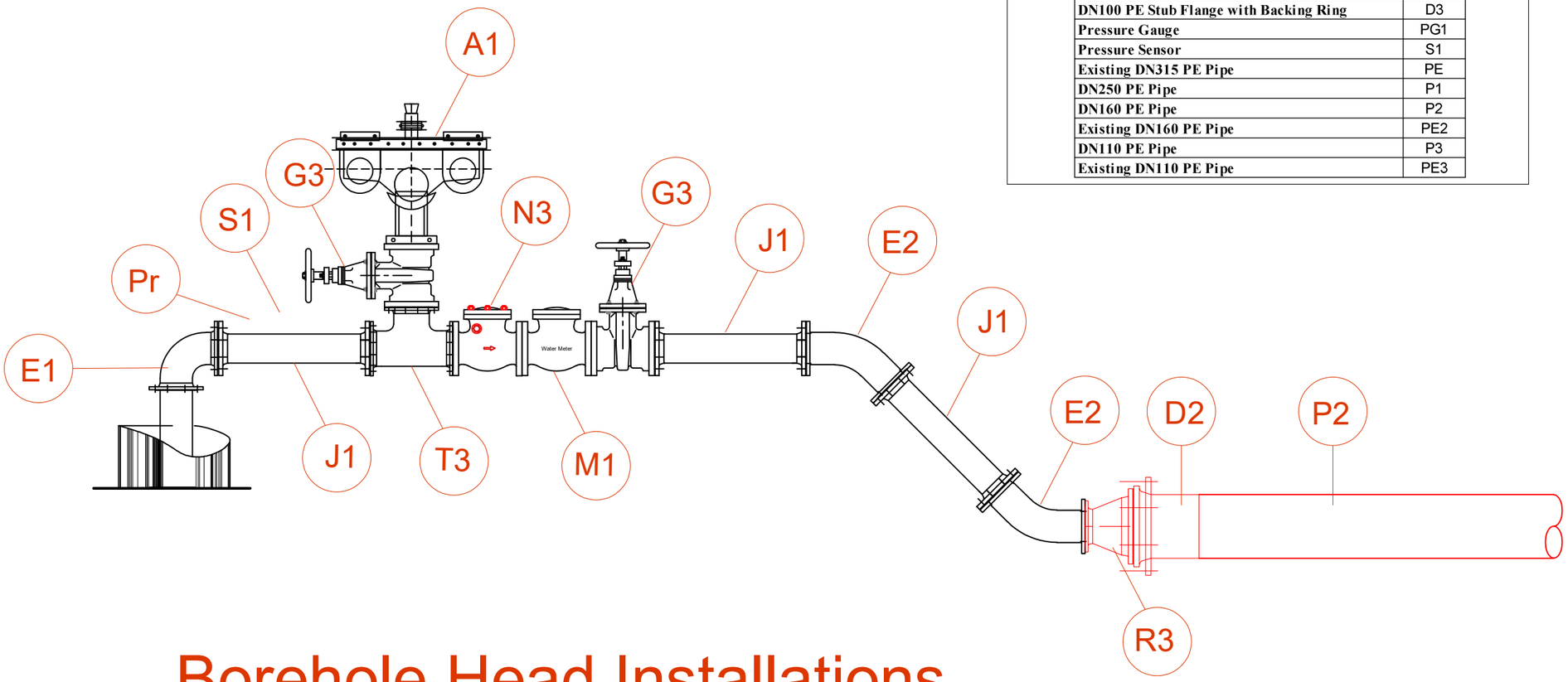
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Borehole Head Installations

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DN 250*150*250 DI All Flanged Tee	T1
DN 100 DI All Flanged Tee	T3
DN 250 DI All-Flanged Tee with 45° Branch	Y1
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DN300 × DN250 DI Flanged Reduce	R
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Pressure Gauge	PG1
Pressure Sensor	S1
Existing DN315 PE Pipe	PE
DN250 PE Pipe	P1
DN160 PE Pipe	P2
Existing DN160 PE Pipe	PE2
DN110 PE Pipe	P3
Existing DN110 PE Pipe	PE3

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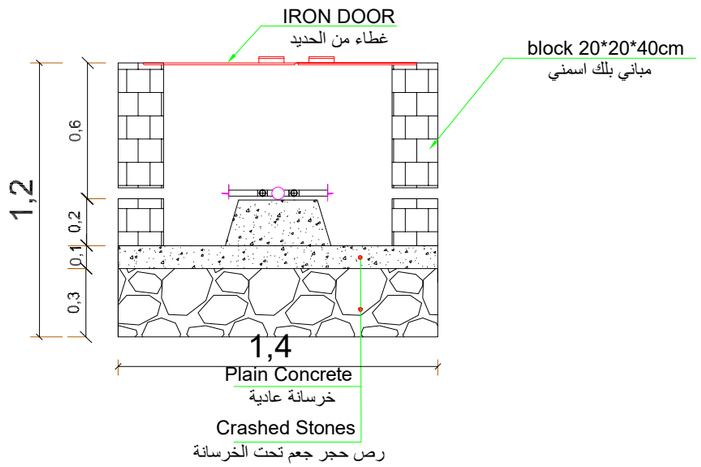
Borehole Room

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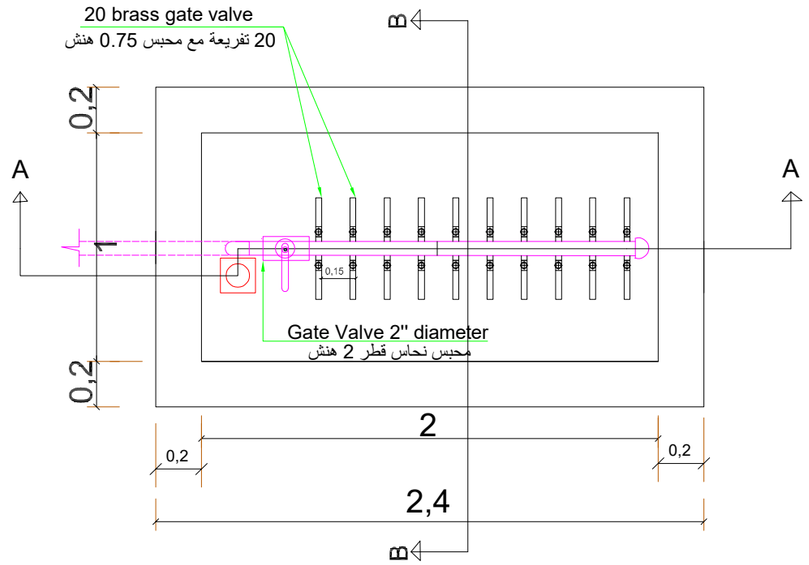
DRAWING NO.

Rev. No

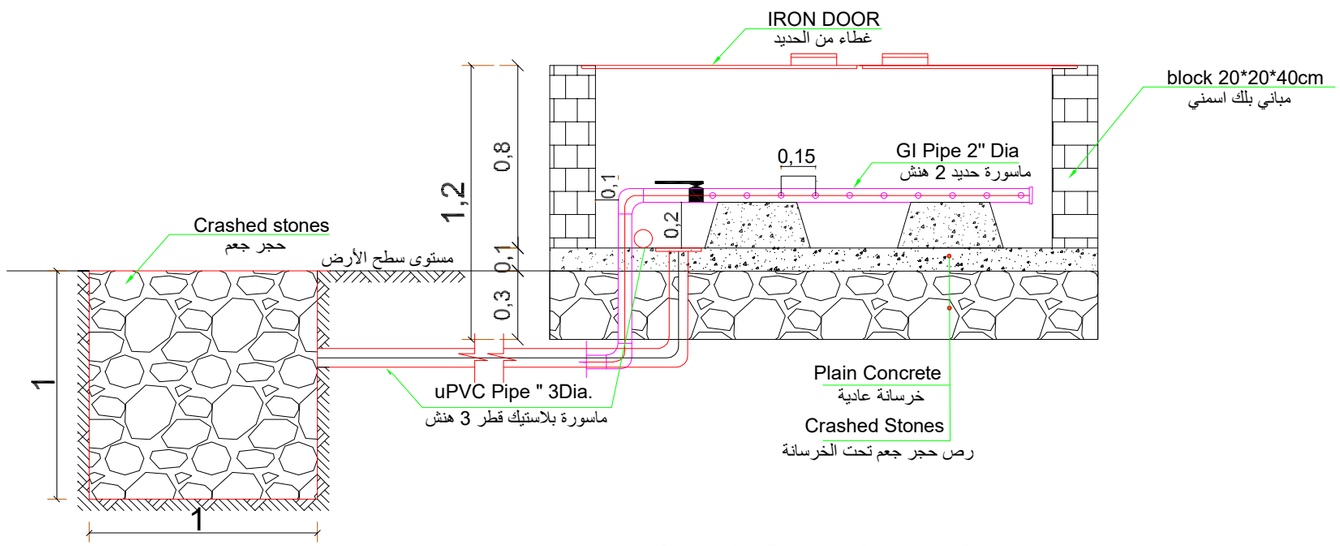
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Section B-B For Water Distribution Point



Water distribution point Plane



Section A-A For Water Distribution Point

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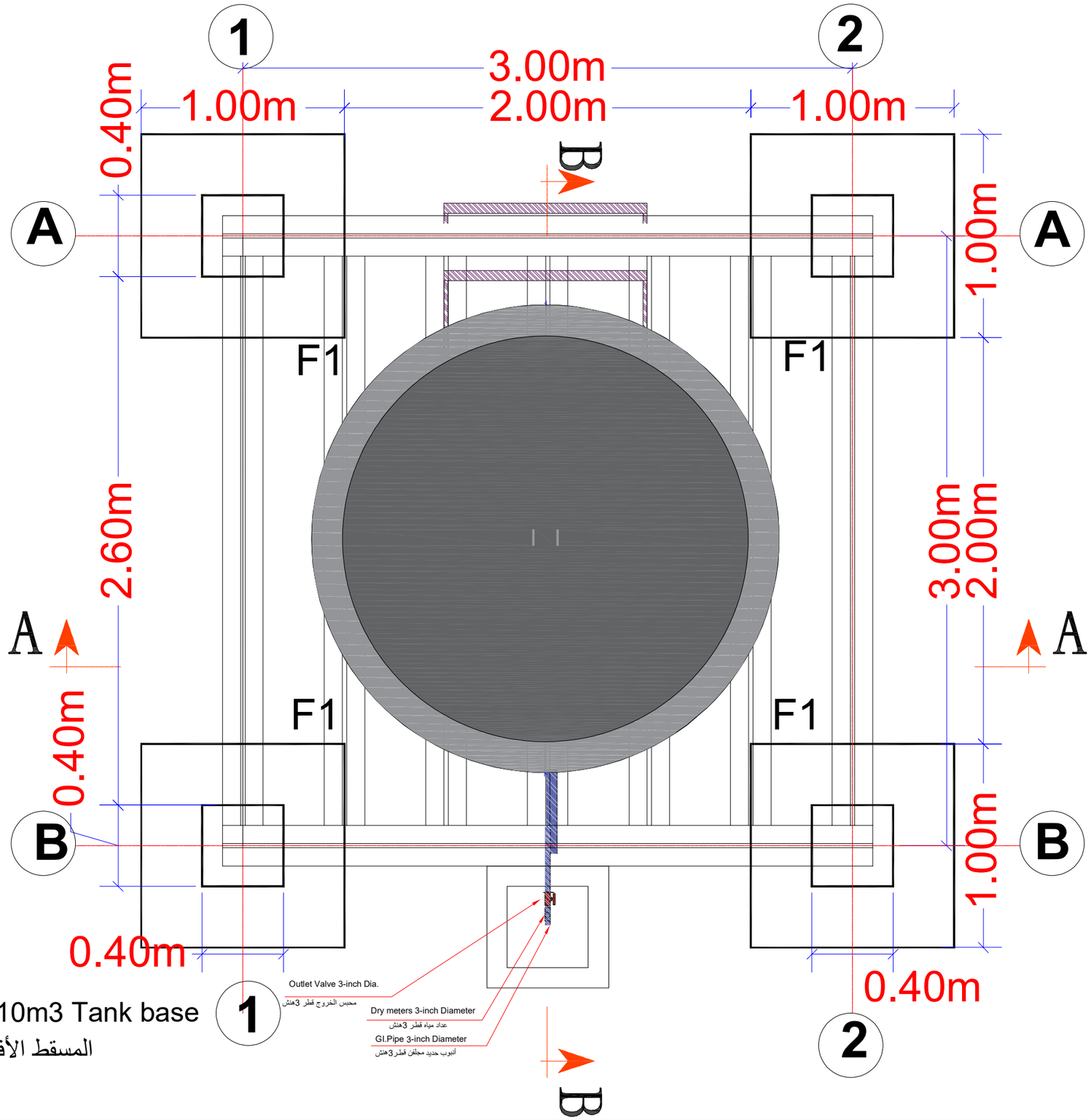
Water Distribution Point

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

00



Plan Section for 10m3 Tank base

المسقط الأفقي لقاعدة الخزان10م3

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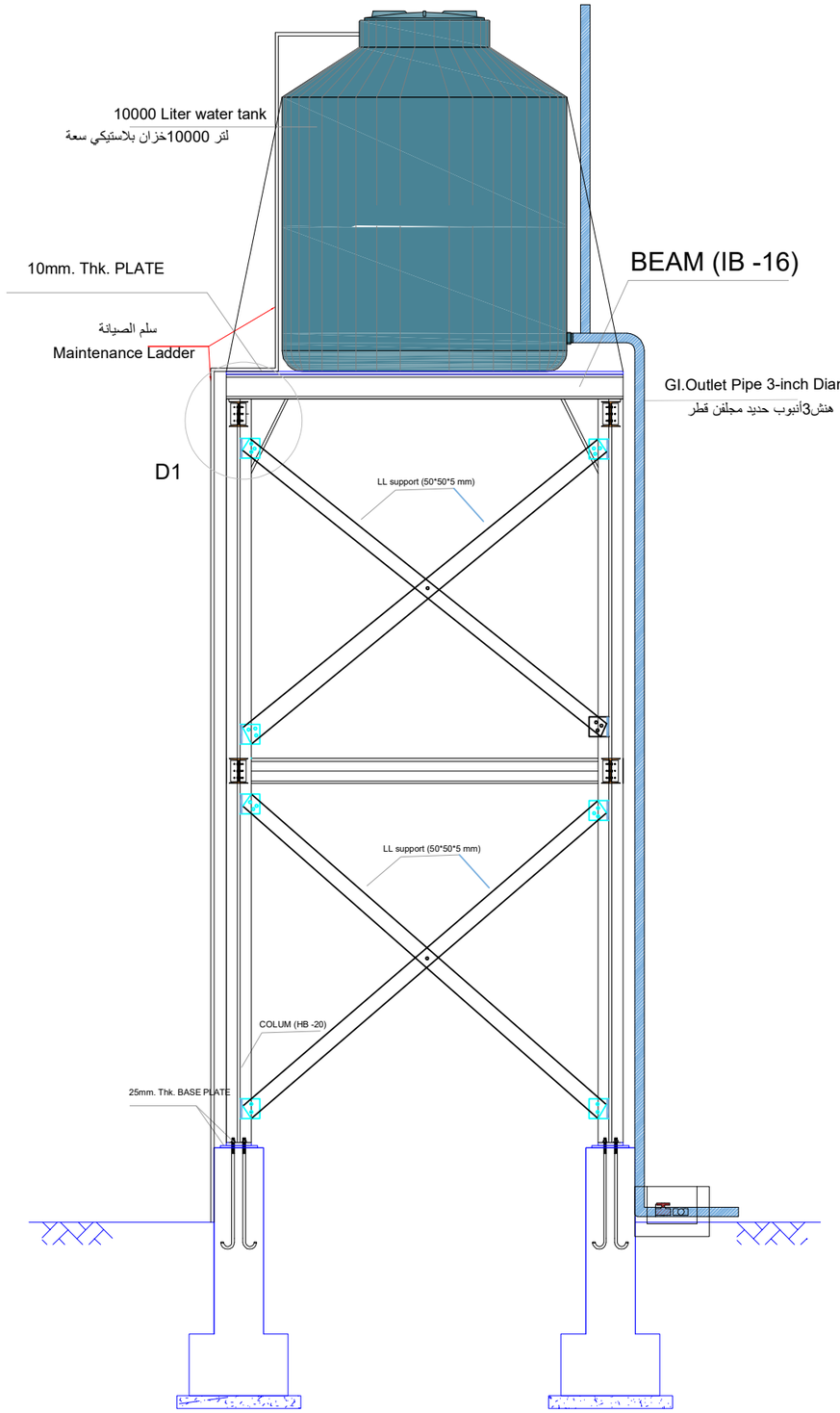
Marib City District - Marib Governorate, Yemen

TITLE

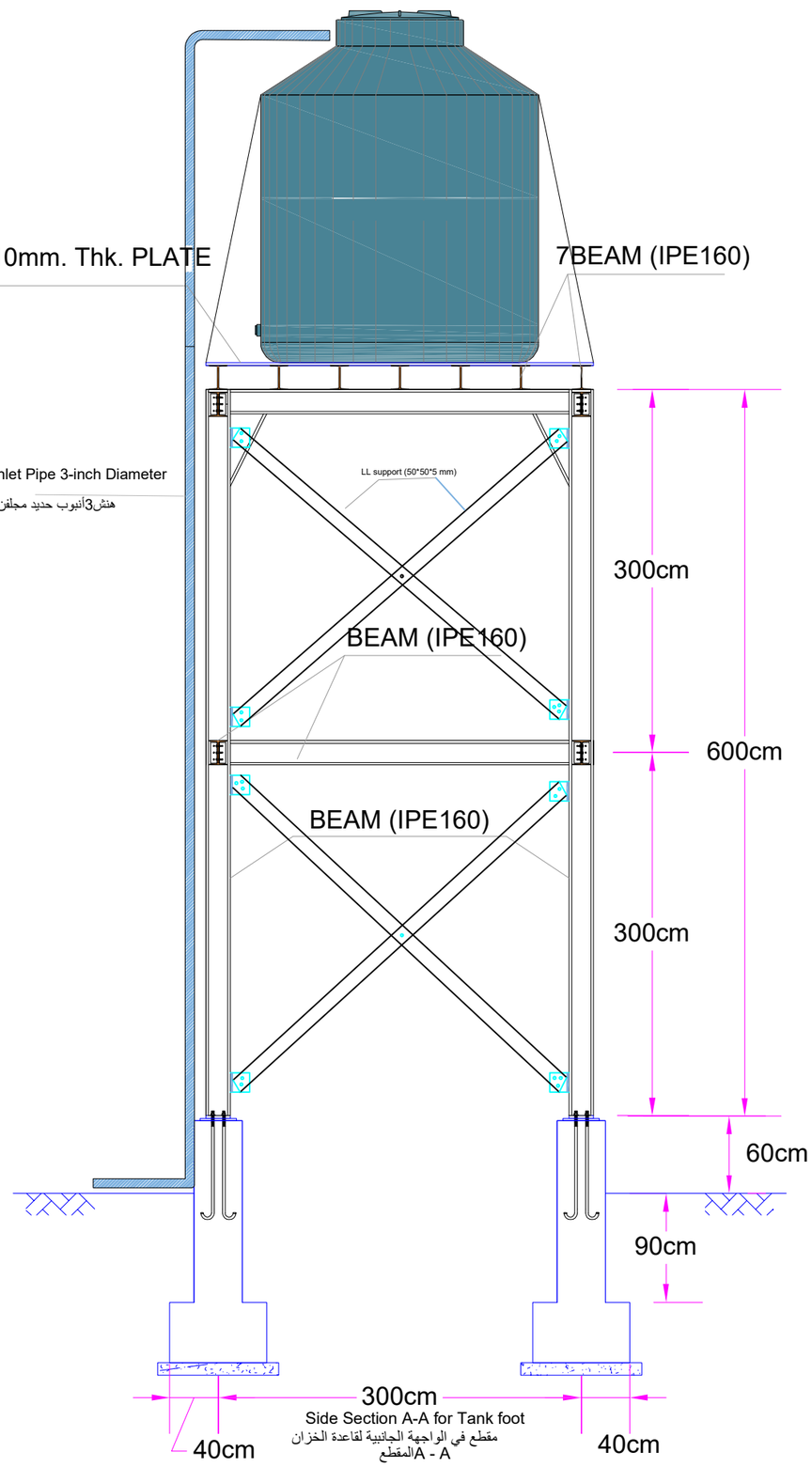
Water Tank 10m3

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO. | Rev. No 00



Side Section B-B for Tank foot
مقطع في الواجهة الجانبية لقاعدة الخزان
المقطعB - B



Side Section A-A for Tank foot
مقطع في الواجهة الجانبية لقاعدة الخزان
المقطعA - A

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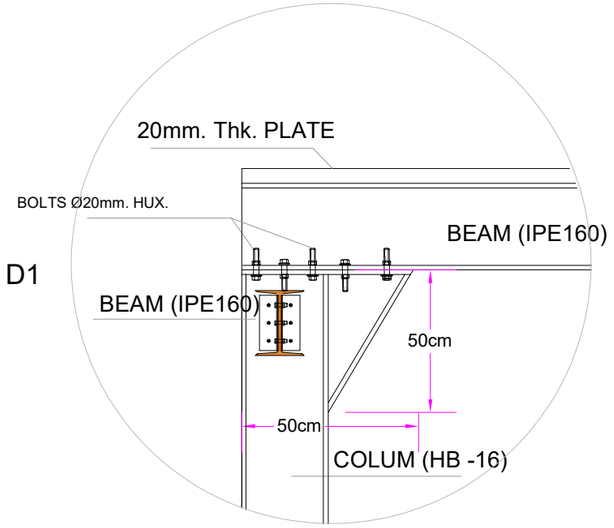
Water Tank 10m3

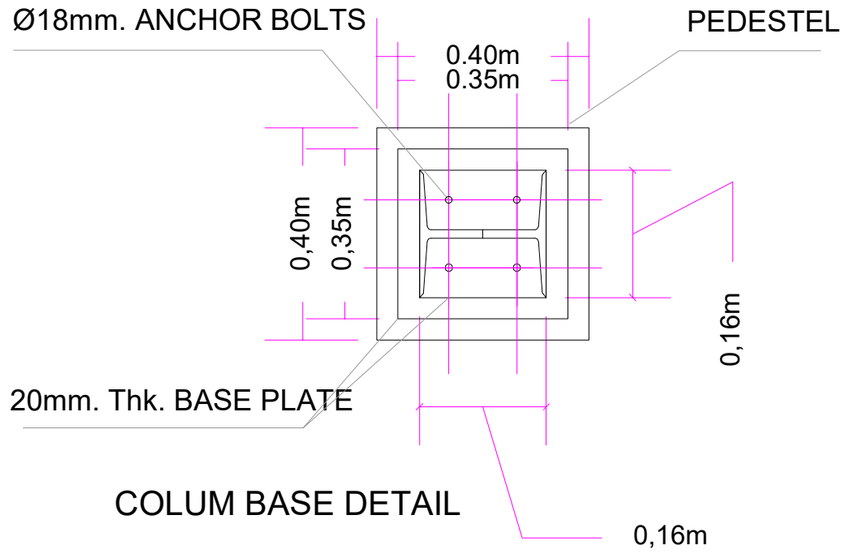
Design	CHECKED	APPROVED	SCALE	Date
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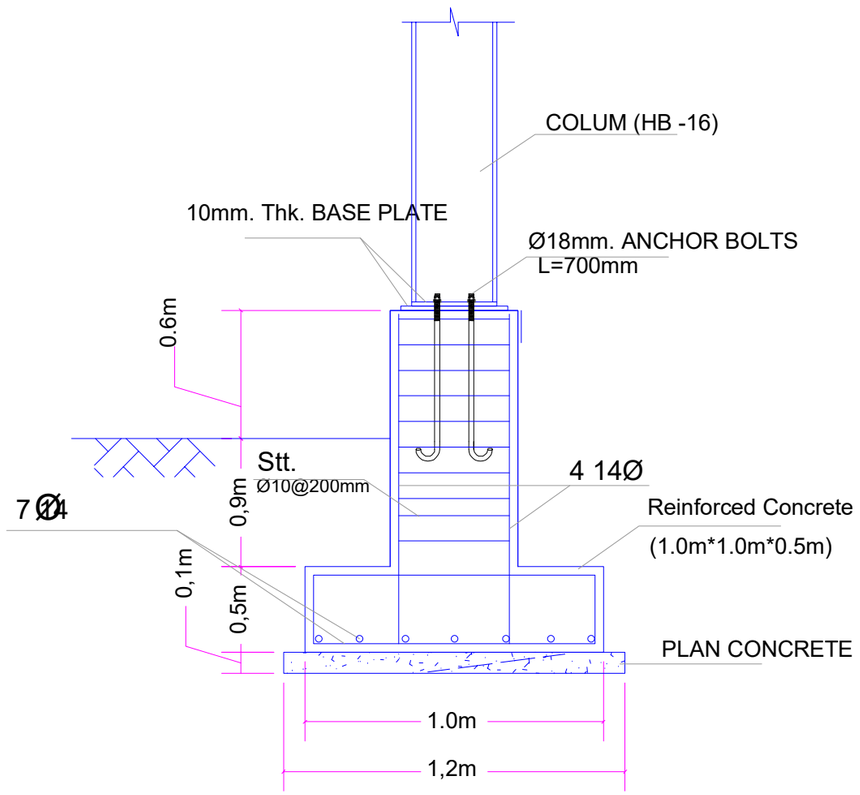
Rev. No

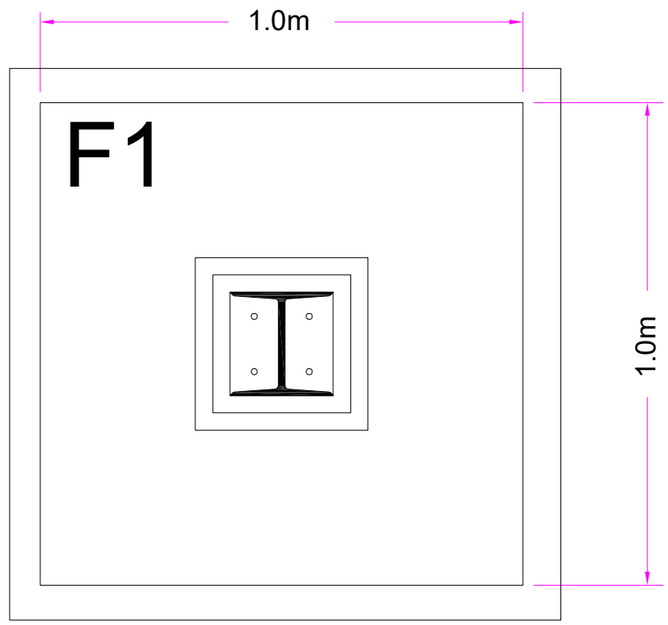
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COLUM BASE DETAIL





FOUNDATION DETIAL

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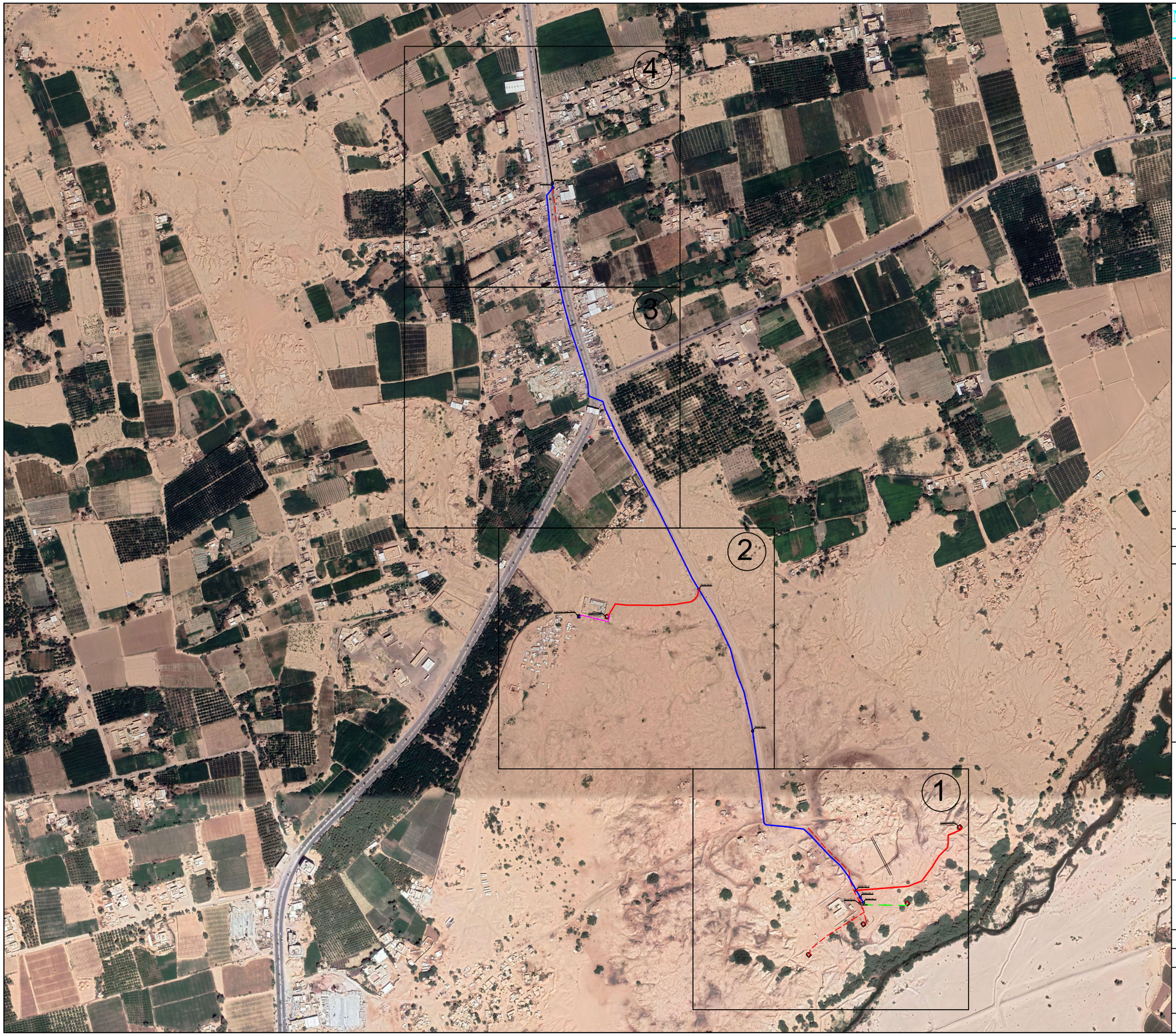
Water Tank 10m3

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

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Notes:-

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HDPE Pipe DN 315, 20 Bar

HDPE Pipe DN 250, 20 Bar

HDPE Pipe DN 160, 16 Bar

Exis HDPE Pipe DN 160, 16 Bar

HDPE Pipe DN 160, 16 Bar

HDPE Pipe DN 160, 16 Bar

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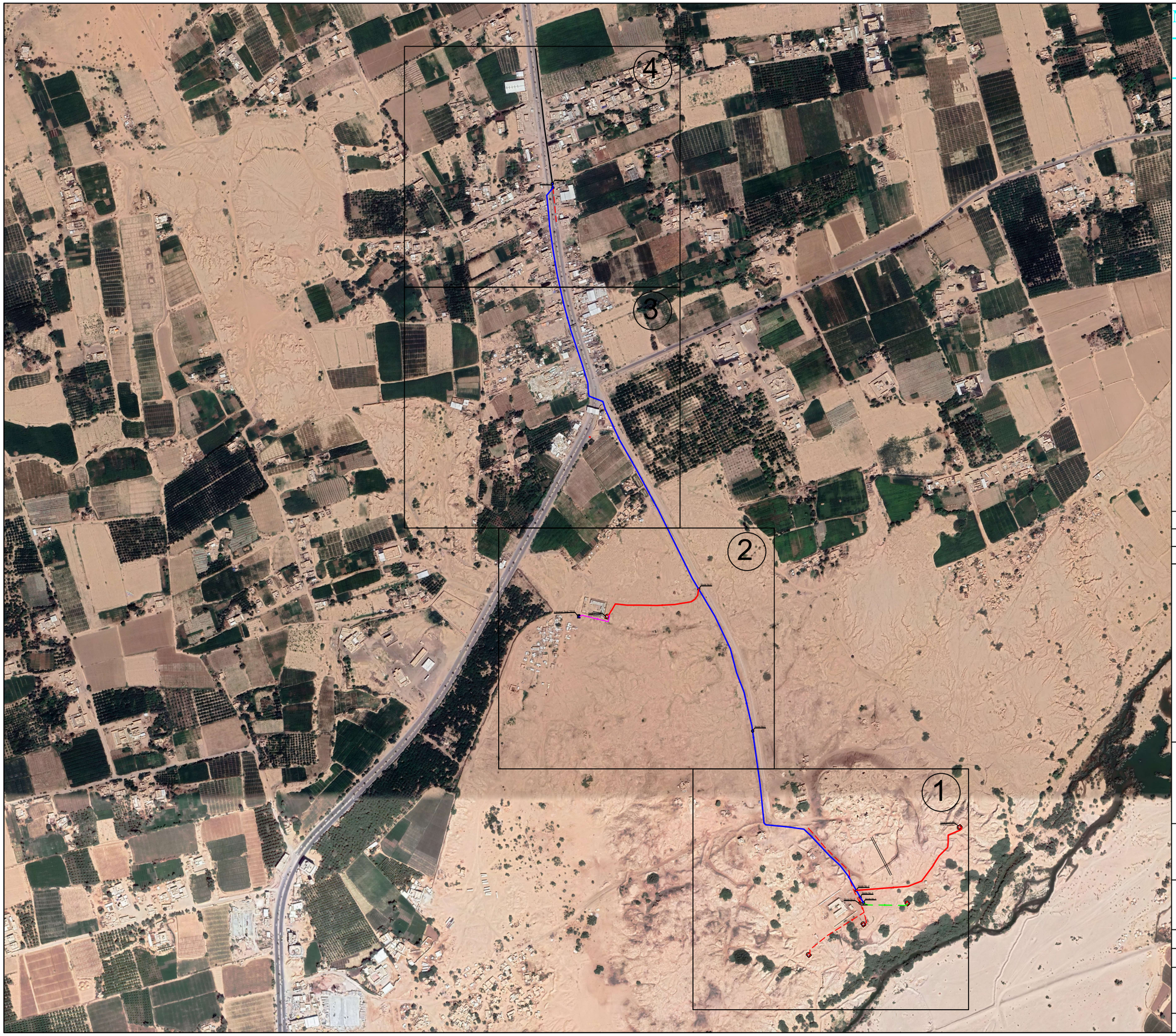
Transmission Pipeline

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

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Transmission Pipeline

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MAGNETIC NORTH

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HDPE Pipe DN 160, 16 Bar

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Marib City District - Marib Governorate, Yemen

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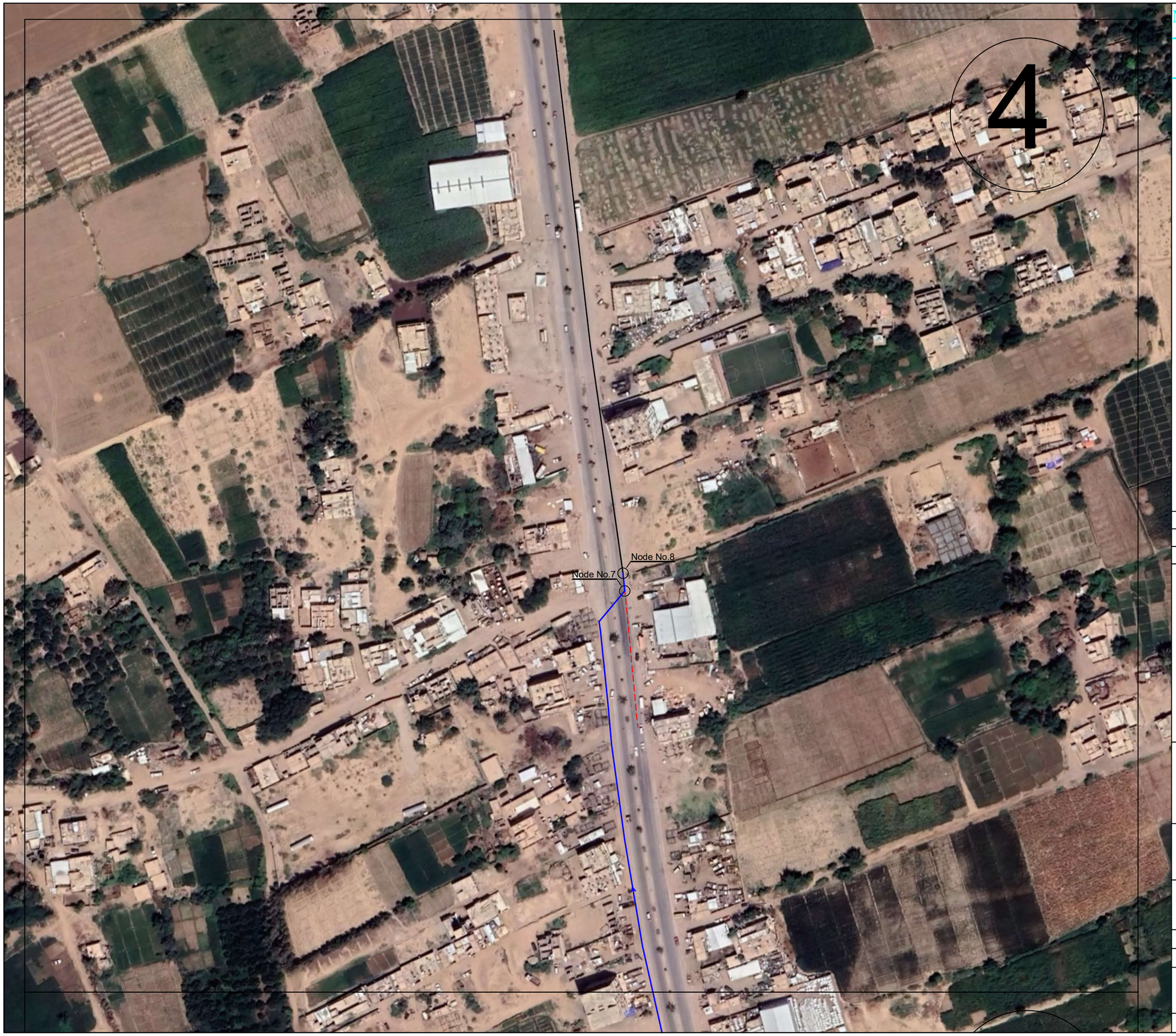
Transmission Pipeline

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

00



Notes:-
- All dimensions are in meters unless otherwise stated.
- All levels are in meters unless otherwise stated.

MAGNETIC NORTH

HDPE Pipe DN 315, 20 Bar
HDPE Pipe DN 250, 20 Bar
HDPE Pipe DN 160, 16 Bar
Exis HDPE Pipe DN 160, 16 Bar
HDPE Pipe DN 160, 16 Bar
HDPE Pipe DN 160, 16 Bar

REV.	DESCRIPTION	DATE

CLIENT

MUSLIM HANDS YEMEN
Khor Maksar, Abyan coast, Aden, Yemen +967 02 235571, muslimhands.org.uk

PROJECT

Drilling Two Boreholes and Installation of Transmission Pipeline in Marib City - Marib Gov - Yemen

Project. Code:

LOCATION

Marib City District - Marib Governorate, Yemen

TITLE

Transmission Pipeline

Design	CHECKED	APPROVED	SCALE	Date
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VALVE, FITTING & INSTRUMENT SCHEDULE

DESCRIPTION	ITEM NO.
DN250 DI Flanged Gate Valve	G1
DN150 DI Flanged Gate Valve	G2
DN100 DI Flanged Gate Valve	G3
DN 250 DI Flanged Non-Return Valve	N1
DN 150 DI Flanged Non-Return Valve	N2
DN 100 DI Flanged Non-Return Valve	N3
DN 100 DI Flanged Air Valve	A1
DN 100 DI Flanged Flow Meter	M1
DN 250*150*250 DI All Flanged Tee	T1
DN 100 DI All Flanged Tee	T3
DN 250 DI All-Flanged Tee with 45° Branch	Y1
DN 150 DI All-Flanged Tee with 45° Branch	Y2
DN300 × DN250 DI Flanged Reduce	R
DN250 × DN150 DI Flanged Reduce	R1
DN150 × DN100 DI Flanged Reducer	R2
DN 100 GI Flanged 90° Bend	E1
DN 100 GI Flanged 45° Bend	E2
DN 100 GI All-Flanged Pipe	J1
DN250 PE Stub Flange with Backing Ring	D1
DN150 PE Stub Flange with Backing Ring	D2
DN100 PE Stub Flange with Backing Ring	D3
Pressure Gauge	PG1
Pressure Sensor	S1
Existing DN315 PE Pipe	PE
DN250 PE Pipe	P1
DN160 PE Pipe	P2
Existing DN160 PE Pipe	PE2
DN110 PE Pipe	P3
Existing DN110 PE Pipe	PE3

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Project. Code:

LOCATION

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TITLE

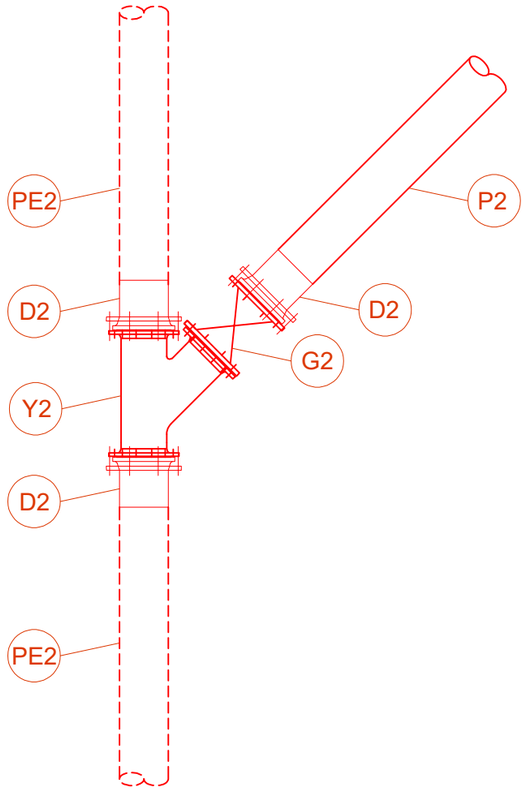
Transmission Pipeline

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

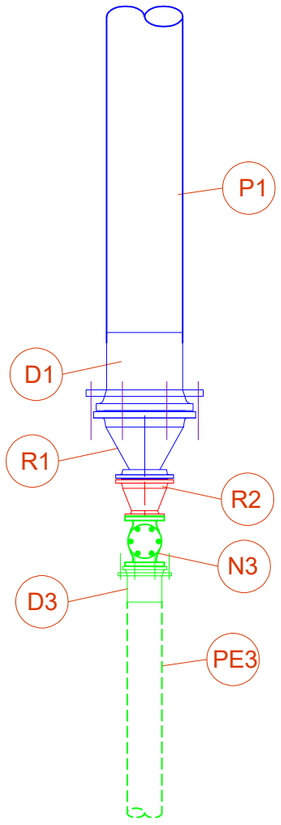
DRAWING NO.

Rev. No

00



Node No.2



Node No.1

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HDPE Pipe DN 250, 20 Bar

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Exis HDPE Pipe DN 160, 16 Bar

HDPE Pipe DN 160, 16 Bar

HDPE Pipe DN 160, 16 Bar

REV.	DESCRIPTION	DATE

CLIENT

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PROJECT

Drilling Two Boreholes and Installation of Transmission Pipeline in Marib City - Marib Gov - Yemen

Project. Code:

LOCATION

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TITLE

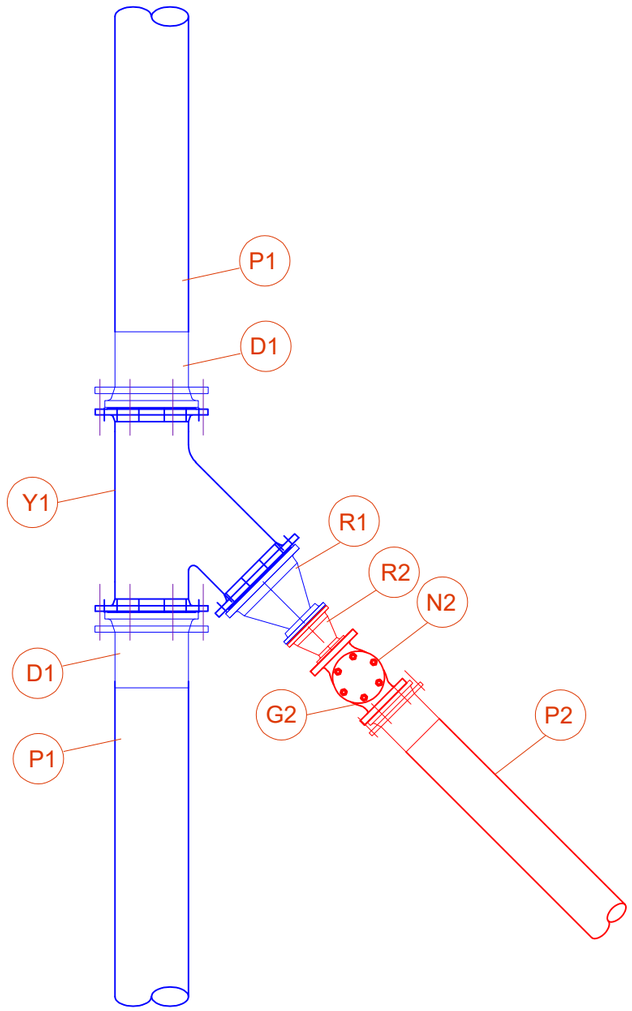
Transmission Pipeline

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

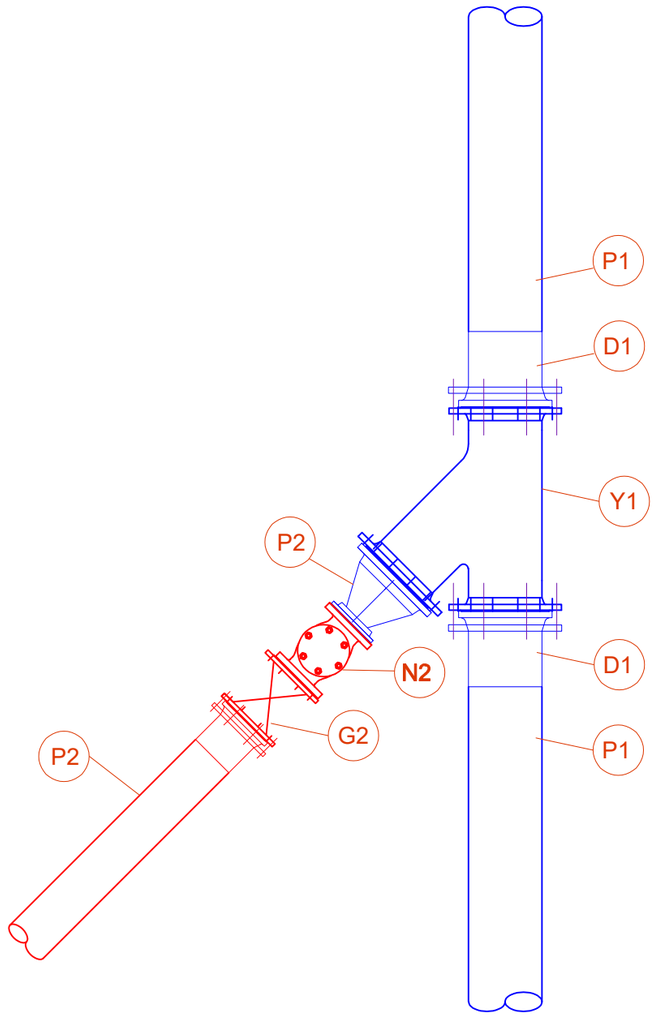
DRAWING NO.

Rev. No

00



Node No.4



Node No.3

Notes:-
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MAGNETIC NORTH

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HDPE Pipe DN 250, 20 Bar
HDPE Pipe DN 160, 16 Bar
Exis HDPE Pipe DN 160, 16 Bar
HDPE Pipe DN 160, 16 Bar
HDPE Pipe DN 160, 16 Bar

REV.	DESCRIPTION	DATE

CLIENT

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PROJECT

Drilling Two Boreholes and Installation of Transmission Pipeline in Marib City - Marib Gov - Yemen

Project. Code:

LOCATION

Marib City District - Marib Governorate, Yemen

TITLE

Transmission Pipeline

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

DRAWING NO.

Rev. No

00

Notes:-

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HDPE Pipe DN 315, 20 Bar

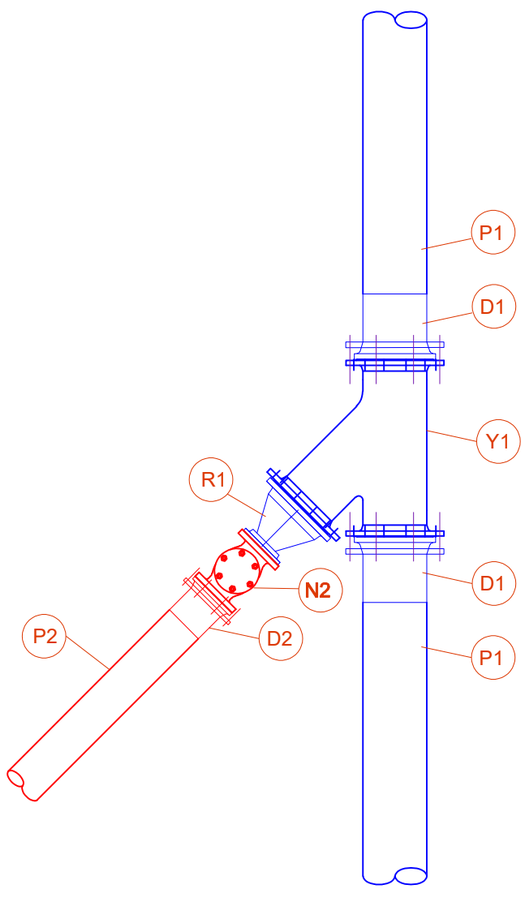
HDPE Pipe DN 250, 20 Bar

HDPE Pipe DN 160, 16 Bar

Exis HDPE Pipe DN 160, 16 Bar

HDPE Pipe DN 160, 16 Bar

HDPE Pipe DN 160, 16 Bar



Node No.6

Node No.5

REV.	DESCRIPTION	DATE

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Project. Code:

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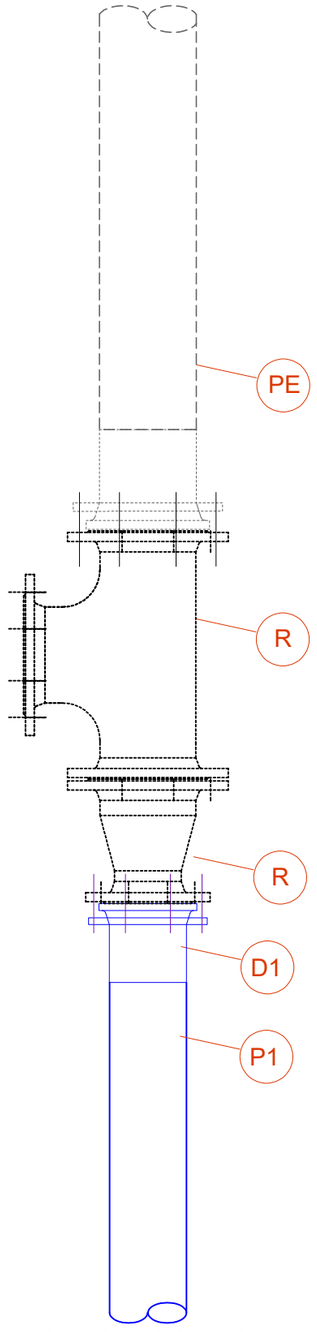
Transmission Pipeline

Design	CHECKED	APPROVED	SCALE	Date
				08-2026

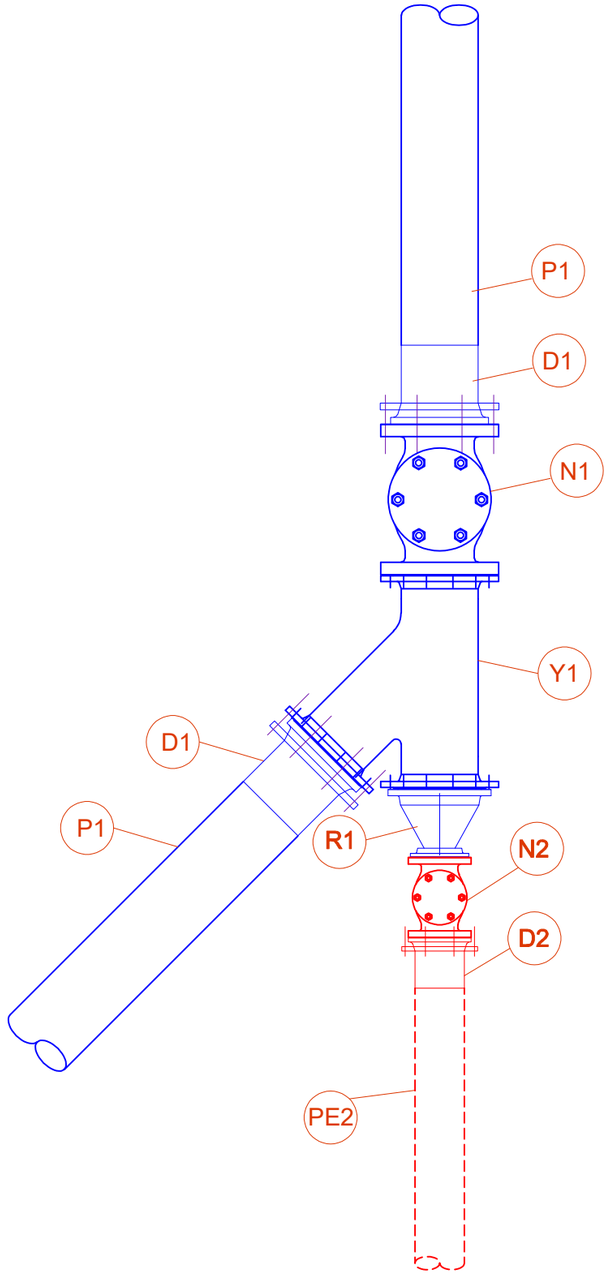
DRAWING NO.

Rev. No

00



Node No.8



Node No.7

Notes:-
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HDPE Pipe DN 250, 20 Bar

HDPE Pipe DN 160, 16 Bar

Exis HDPE Pipe DN 160, 16 Bar

HDPE Pipe DN 160, 16 Bar

HDPE Pipe DN 160, 16 Bar

REV.	DESCRIPTION	DATE

CLIENT

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PROJECT

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Project. Code:

LOCATION

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TITLE

Transmission Pipeline

Design	CHECKED	APPROVED	SCALE	Date
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DRAWING NO.

Rev. No

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