

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

REPUBLIC OF YEMEN

Ministry of Water & Environment

Urban Water supply & Sanitation Project
(UWSSP)



الجمهورية اليمنية

وزارة المياه والبيئة

مشروع المياه والصرف الصحي للمدن الحضرية



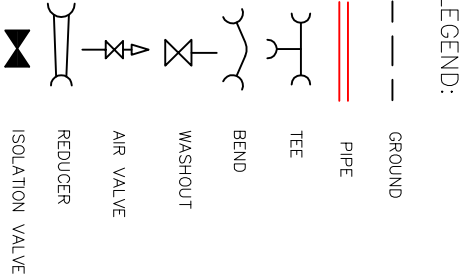
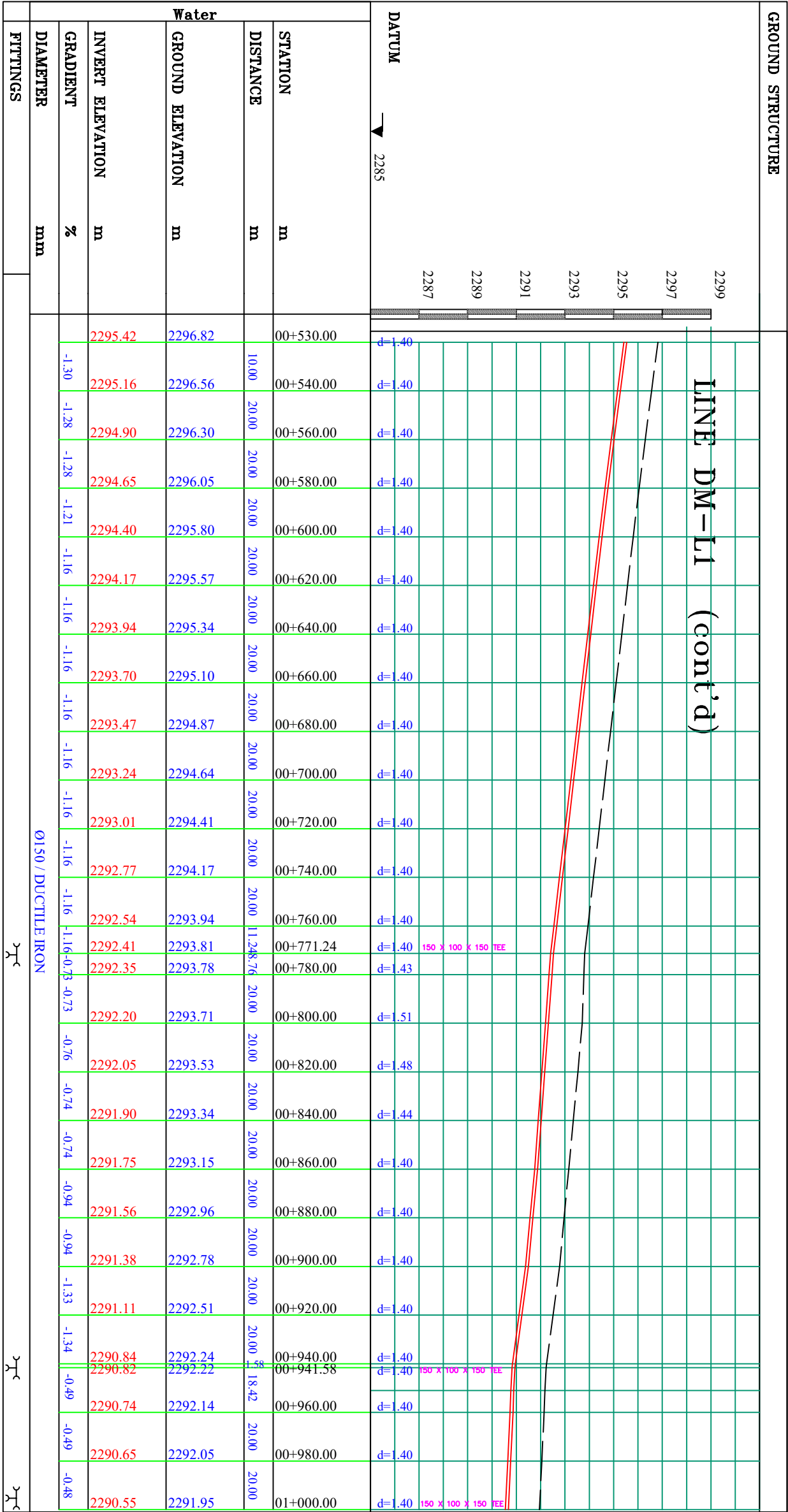
Bait Bous (Al-Nahdeen) Water Distribution Network Phase Two

(Profiles Drawings)

2023



REPUBLIC OF YEMEN
MINISTRY OF WATER AND
ENVIRONMENT



Project Name

Al-Nahdeen Water Distribution Network

Drawing Title

Profile

Line - DM- L1

Designed By:	Eng. Ameen Al-Maweri	Drawing No.	Pr-01
Reviewed By:	Eng. Fares Hubaish	Scale	As Shown
Approved By:	Eng. Mohammed Al-Maqdami		
Contract No	(IUS-AF-UWS-SAN-021)	Date	2023



REPUBLIC OF YEMEN
MINISTRY OF WATER AND
ENVIRONMENT

LEGEND:	
	GROUND
	PIPE
	TEE
	BEND
	WASHOUT
	AIR VALVE
	REDUCER
	ISOLATION VALVE



Project Name	
Al-Nahdeen Water Distribution Network	
Drawing Title	
Line - DM- L1	
Designed By:	Eng. Ameen Al-Maweri
Reviewed By:	Eng. Fares Hubaish
Approved By:	Eng. Mohammed Al-Maqdami
Contract No	(IUS-AF-UWS-SAN-021)
	Date 2023





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MINISTRY OF WATER AND
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GROUND STRUCTURE		
<div><div>2285</div><div>2283</div><div>2281</div><div>2279</div><div>2277</div><div>2275</div><div>2273</div></div>		<div>LINE DM-L1 (cont'd)</div>
<div>DATUM</div> <div>▼ 2271</div>		<div>d=1.40</div> <div>WASHOUT DM 150, TYPE D</div> <div>FLANGE END CAP 150</div>
STATION	m	01+500.00
DISTANCE	m	01+505.00
GROUND ELEVATION	m	2280.98
INVERT ELEVATION	m	2279.58
GRADIENT	%	-3.76
DIAMETER	mm	Ø150 / DUCTILE IRON
FITTINGS		2



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MINISTRY OF WATER AND
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<p>LEGEND:</p> <p>— — — GROUND</p> <p>===== PIPE</p> <p>⌋ TEE</p> <p>⌋ BEND</p> <p>⌋ WASHOUT</p> <p>⌋ AIR VALVE</p> <p>⌋ REDUCER</p> <p>⌋ ISOLATION VALVE</p>	
 	
<p>Project Name</p> <p>Al-Nahdeen Water Distribution Network</p>	
<p>Drawing Title</p> <p>Profile</p>	
<p>Line - DM-L1</p>	
<p>Designed By:</p> <p>Eng. Ameen Al-Maweri</p>	<p>Drawing No.:</p> <p>Pt.-03</p>
<p>Reviewed By:</p> <p>Eng. Fares Hubaish</p>	<p>Scale</p> <p>As Shown</p>
<p>Approved By:</p> <p>Eng. Mohammed Al-Magdani</p>	
<p>Contract No</p> <p>(UUS-AF-UWS-SAN-021)</p>	<p>Date</p> <p>2023</p>



 <p>REPUBLIC OF YEMEN MINISTRY OF WATER AND ENVIRONMENT</p>	
<p>LEGEND:</p> <p>--- GROUND</p> <p>== PIPE</p> <p>┐┌ TEE</p> <p>┐ BEND</p> <p>⌵ WASHOUT</p> <p>⌵ AIR VALVE</p> <p>⌵ REDUCER</p> <p>⌵ ISOLATION VALVE</p>	
 	
<p>Project Name</p> <p>Al-Nahdeen Water Distribution Network</p>	
<p>Drawing Title</p> <p>Profile</p> <p>Line - DM- L3</p>	
<p>Designed By:</p> <p>Reviewed By:</p> <p>Approved By:</p> <p>Contract No.</p>	<p>Drawing No.</p> <p>Scale</p> <p>Date</p>
<p>Eng. Ameen Al-Maweri</p> <p>Eng. Fares Hubaish</p> <p>Eng. Mohammed Al-Magdani</p> <p>(UJS-AF-UWS-SAN-021)</p>	<p>Pt.-04</p> <p>As Shown</p> <p>2023</p>





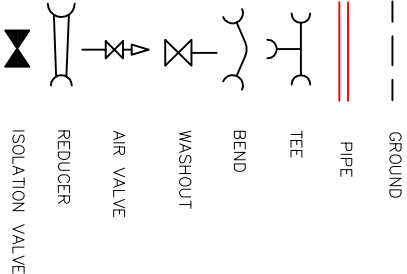
Al-Nahdeen Water Distribution Network

<h1 style="text-align: center;">Drawing Title</h1> <h2 style="text-align: center;">Profile</h2> <h3 style="text-align: center;">Line - DM-L3</h3>	
Designed By:	Eng. Ameen Al-Maweri
Reviewed By:	Eng. Fares Hubaish
Approved By:	Eng. Mohammed Al-Magdami
Contract No	(UUS-AF-UWS-SAN-021)
	Date
	2023



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LEGEND:



Project Name

Al-Nahdeen Water Distribution Network

Drawing Title

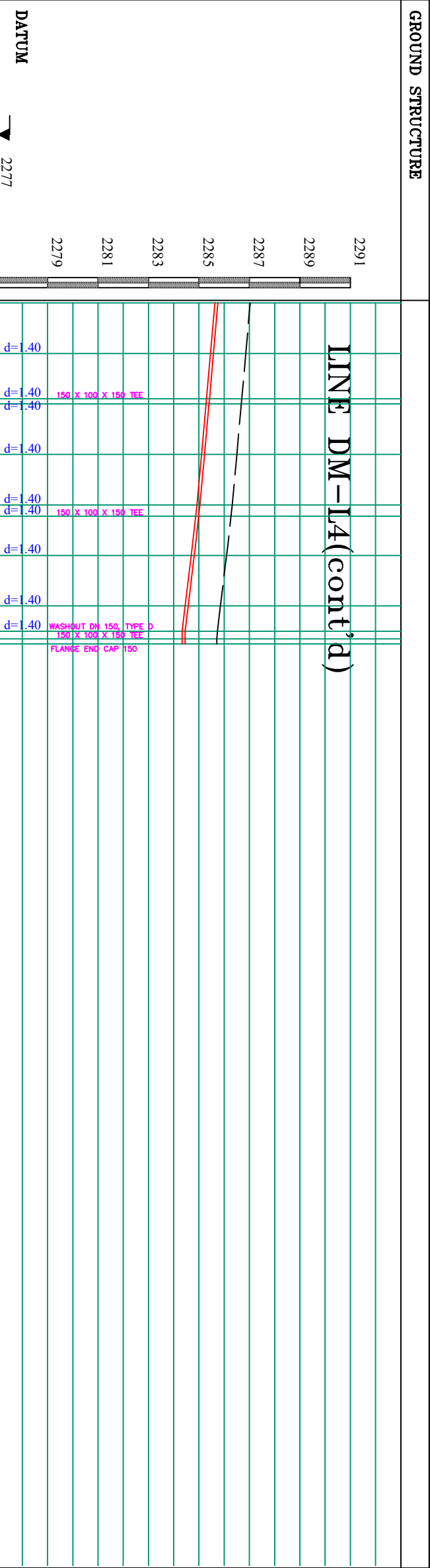
Profile

Line - DM- L4

Designed By:	Eng. Ameen Al-Maweri	Drawing No.	Pr-06
Reviewed By:	Eng. Fares Hubaish	Scale	As Shown
Approved By:	Eng. Mohammed Al-Maqdami		
Contract No	(IUS-AF-UWS-SAN-021)	Date	2023



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ENVIRONMENT



Water													
STATION	m												
DISTANCE	m												
GROUND ELEVATION	m												
INVERT ELEVATION	m												
GRADIENT	%												
DIAMETER	mm	Ø150 / DUCTILE IRON											
FITTINGS		Y Y Y Y Y Y Y Y Y Y Y Y Y Y											
			</										

Project Name

Al-Nahdeen Water Distribution Network

Drawing Title

Profile

Line - DM- L4

Designed By:

Eng. Ameen Al-Maweri

Drawing No.

Pr-7

Reviewed By:

Eng. Fares Hubaish

Scale

As Shown

Approved By:



Eng. Mohammed Al-Maqdami

Date

2023

Contract No


(IUS-AF-UWS-SAN-021)





UNOPS


USS Project


LEGEND:


 GROUND


 PIPE


 TEE

 BEND

 WASHOUT

 AIR VALVE

 REDUCER

 ISOLATION VALVE



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MINISTRY OF WATER AND
ENVIRONMENT



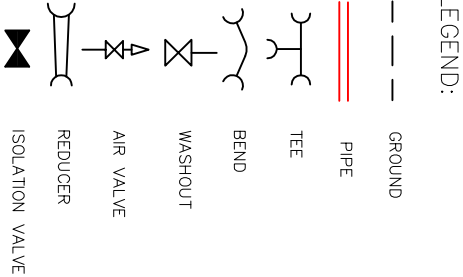
Al-Nahdeen Water Distribution Network

Drawing Title

Profile

Line - PM-L6

Designed By:	Eng. Amcen Al-Maween	Drawing No.	Pr-8
Reviewed By:	Eng. Fares Hubaish	Scale	As Shown
Approved By:	Eng. Mohammed Al-Magdami		
Contract No	(U.S.-AF-UWS-SAN-021)	Date	2023



— — — GROUND

PIPE


TEE

BEND

WASHOUT

 AIR VALVE

REDUCER

 ISOLATION VALVE

Al-Nahdeen Water Distribution Network

Profile

Line - PM-L6

Designed By:	Eng. Ameen Al-Maweri	Drawing No.	Pr.9
Reviewed By:	Eng. Fares Hubaish	Scale	As Shown
Approved By:	Eng. Mohammed Al-Magdumi		
Contract No	(IUS-AF-UWS-SAN-021)	Date	2023



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MINISTRY OF WATER AND
ENVIRONMENT



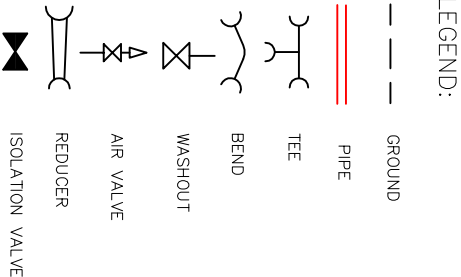
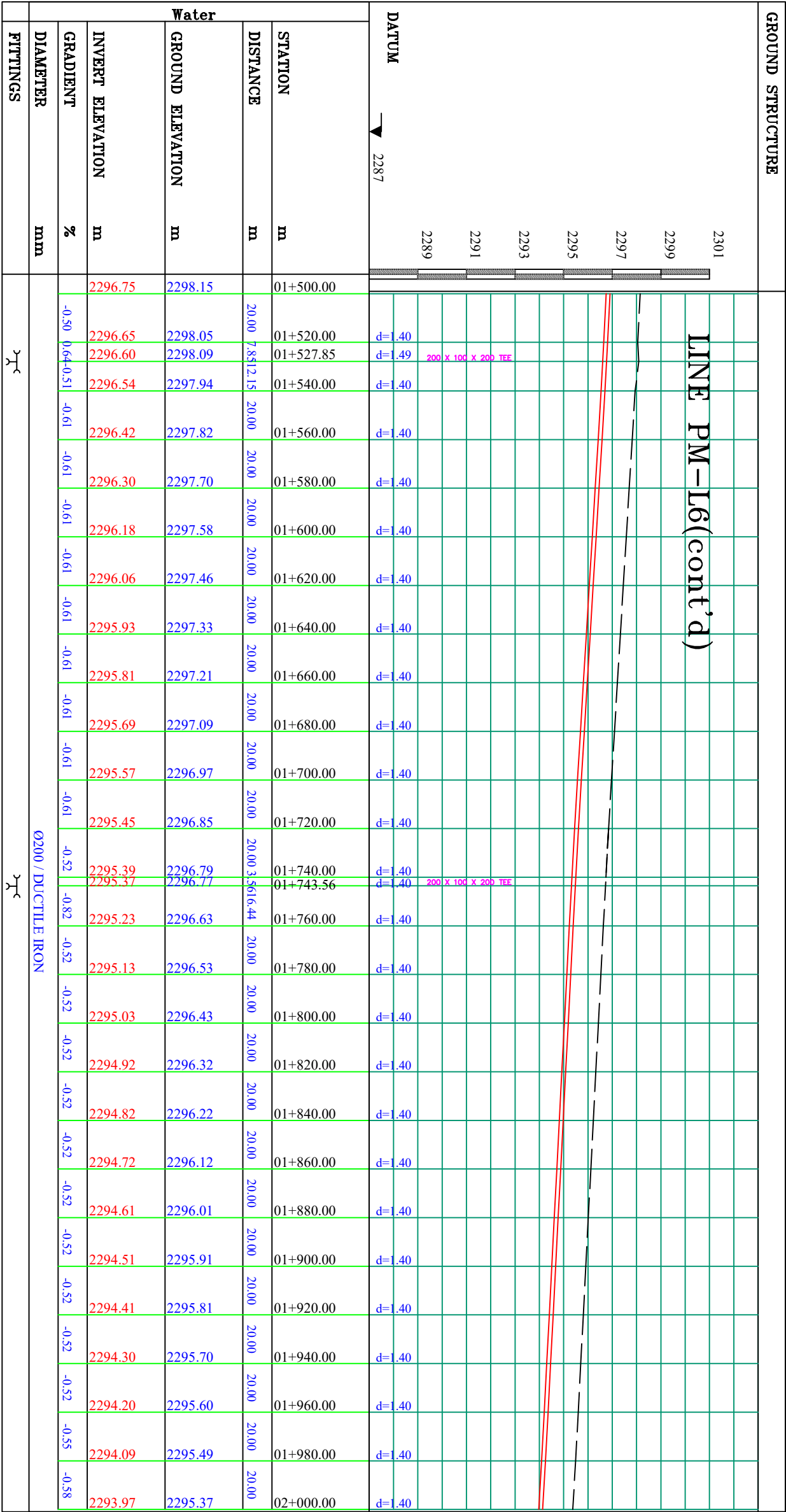
Al-Nahdeen Water Distribution Network

Drawing Title
Profile

Designed By:	Eng. Ameen Al-Maweri	Drawing No. P-10
Reviewed By:	Eng. Fares Hubaish	Scale As Shown
Approved By:	Eng. Mohammed Al-Magdani	
Contract No	(UUS-AF-UWS-SAN-021)	Date 2023



REPUBLIC OF YEMEN
MINISTRY OF WATER AND
ENVIRONMENT



Project Name

Al-Nahdeen Water Distribution Network

Drawing Title

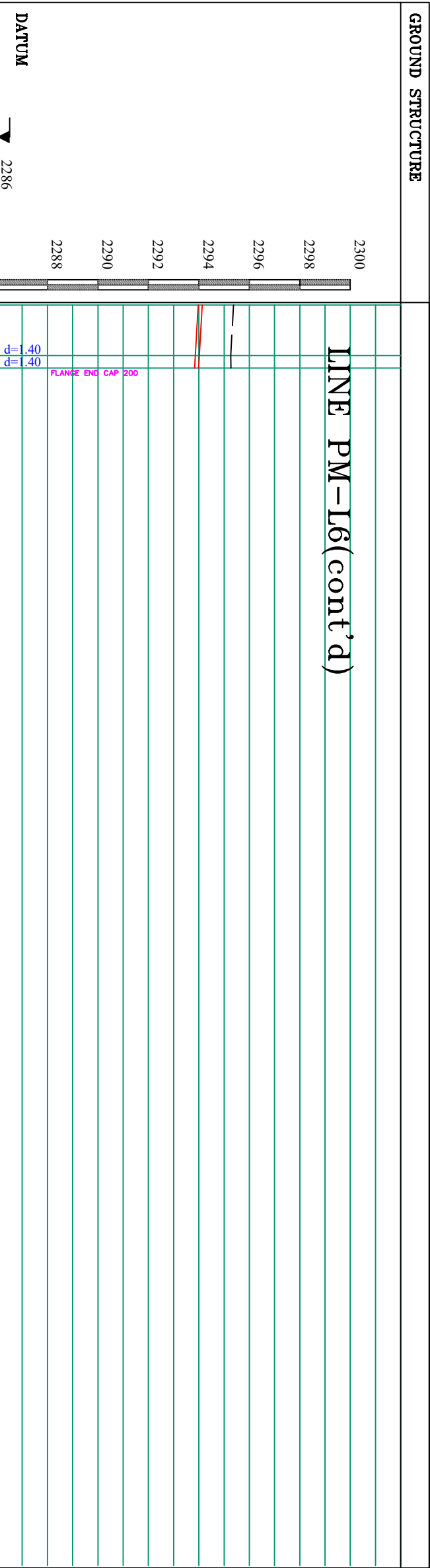
Profile

Line - PM- L6

Designed By:	Eng. Ameen Al-Maweri	Drawing No.	Pr-11
Reviewed By:	Eng. Fares Hubaish	Scale	As Shown
Approved By:	Eng. Mohammed Al-Maqdami		
Contract No	(IUS-AF-UWS-SAN-021)	Date	2023



REPUBLIC OF YEMEN
MINISTRY OF WATER AND
ENVIRONMENT



STATION	02+000.00	02+020.00	02+025.00
DISTANCE	20.00	5.00	
GROUND ELEVATION	2295.37	2295.26	2295.27
INVERT ELEVATION	2293.97	2293.86	2293.87
GRADIENT	-0.57		
DIAMETER	Ø200 / DUCTILE IRON		
FITTINGS	✚		

- LEGEND:
- GROUND
 - PIPE
 - TEE
 - BEND
 - WASHOUT
 - AIR VALVE
 - REDUCER
 - ISOLATION VALVE



Project Name

Al-Nahdeen Water Distribution Network

Drawing Title
Profile

Line - PM- L6

Designed By:	Eng. Ameen Al-Maweri	Drawing No.	Pr.-12
Reviewed By:	Eng. Fares Hubaish	Scale	As Shown
Approved By:	Eng. Mohammed Al-Maqdami		
Contract No	(IUS-AI-UWS-SAN-021)	Date	2023