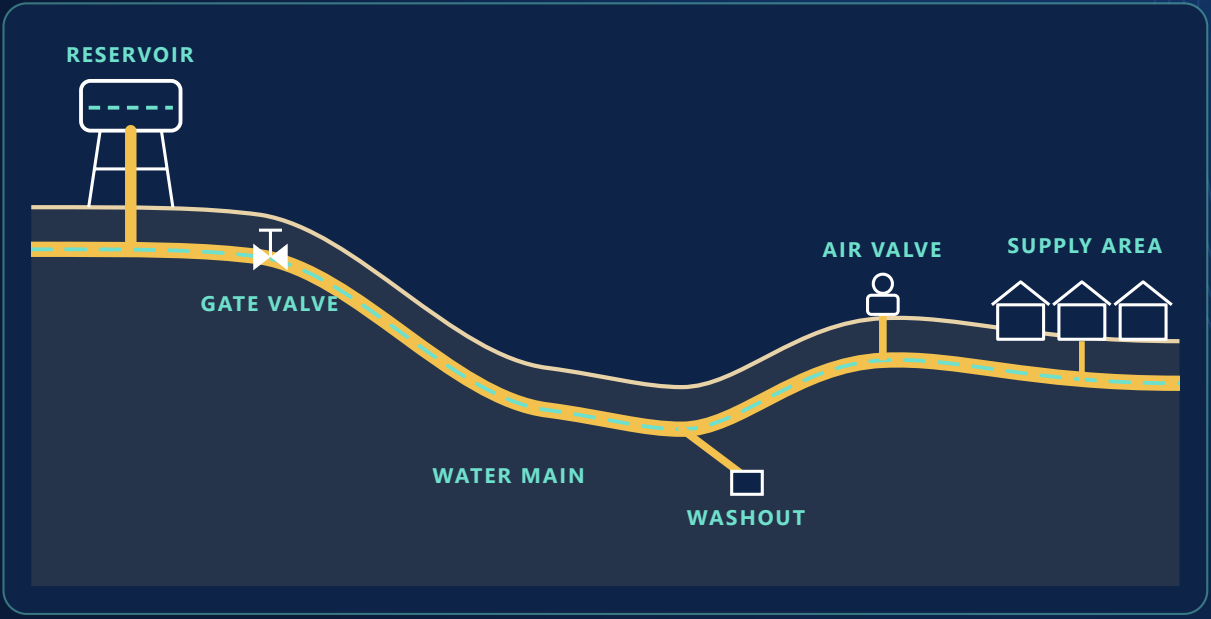
Water Line Profile Report

Longitudinal sections, valve and pipe schedules and design checks of a water main.



WATER SUPPLY SCHEME

Client: Urban City

PREPARED & SUBMITTED BY

SP Consultant

in Joint Venture with USF Consultants

info@spconsultant.example

shahidpervaiz.net

ISSUE

November 2026

WATER LINE – Longitudinal Section Report

WATER SUPPLY SCHEME

1. Project

Project	WATER SUPPLY SCHEME
Consultant	SP CONSULTANT
Drawing No.	WL-PR-01
Date	11 NOV 2026

2. Drawing

Scales	H 1:2000, V 1:200
Paper	A3 landscape
Sheets	4 (4 strips)
Chainage	0+000 to 2+300
Text height	2.5 mm
Chamber width / floor	1 m / 0.2 m

3. Checks

- ✓ 30 invert rows, 30 ground points, 29 pipe lengths – 0+000 to 2+300 cut into 4 strips on 4 A3 sheets.

4. Valve & fitting schedule

Point	Chainage	Ground level	IL in	IL out	Dia in	Dia out	Depth to invert (m)
GV-1	0+000	7.000	5.700	5.700	300	300	1.30
AV-1	0+524	7.200	5.900	5.900	300	300	1.30
GV-2	0+738	4.000	2.700	2.700	300	300	1.30
WO-1	0+966	3.300	2.000	2.000	300	300	1.30
GV-3	1+500	4.000	2.700	2.700	300	300	1.30
RD-1	1+565	4.000	2.700	2.750	300	250	1.30
GV-4	2+225	4.000	2.750	2.750	250	250	1.25

5. Pipe schedule

From	To	Ch from	Ch to	Length m	Dia mm	US IL	DS IL	Slope %	1 in	Notes
GV-1	–	0+000	0+065	65.00	300	5.700	5.700	0.000	–	
–	–	0+065	0+130	65.00	300	5.700	5.700	0.000	–	
–	–	0+130	0+230	100.00	300	5.700	5.700	0.000	–	
–	–	0+230	0+330	100.00	300	5.700	5.700	0.000	–	
–	–	0+330	0+430	100.00	300	5.700	5.700	0.000	–	
–	AV-1	0+430	0+524	94.00	300	5.700	5.900	+0.213	470	
AV-1	–	0+524	0+622	98.00	300	5.900	4.900	-1.020	98	
–	–	0+622	0+692	70.00	300	4.900	3.700	-1.714	58	
–	GV-2	0+692	0+738	46.00	300	3.700	2.700	-2.174	46	
GV-2	–	0+738	0+801	63.00	300	2.700	2.400	-0.476	210	
–	–	0+801	0+866	65.00	300	2.400	2.200	-0.308	325	
–	WO-1	0+866	0+966	100.00	300	2.200	2.000	-0.200	500	
WO-1	–	0+966	1+066	100.00	300	2.000	2.100	+0.100	1000	
–	–	1+066	1+166	100.00	300	2.100	2.200	+0.100	1000	
–	–	1+166	1+266	100.00	300	2.200	2.200	0.000	–	
–	–	1+266	1+366	100.00	300	2.200	2.200	0.000	–	
–	–	1+366	1+433	67.00	300	2.200	2.700	+0.746	134	
–	GV-3	1+433	1+500	67.00	300	2.700	2.700	0.000	–	

Sample report: illustrative data, not for design use

From	To	Ch from	Ch to	Length m	Dia mm	US IL	DS IL	Slope %	1 in	Notes
GV-3	RD-1	1+500	1+565	65.00	300	2.700	2.700	0.000	–	
RD-1	–	1+565	1+630	65.00	250	2.750	2.750	0.000	–	
–	–	1+630	1+710	80.00	250	2.750	2.750	0.000	–	
–	–	1+710	1+810	100.00	250	2.750	2.750	0.000	–	
–	–	1+810	1+910	100.00	250	2.750	2.850	+0.100	1000	
–	–	1+910	2+010	100.00	250	2.850	2.850	0.000	–	
–	–	2+010	2+110	100.00	250	2.850	2.850	0.000	–	
–	–	2+110	2+135	25.00	250	2.850	2.750	-0.400	250	
–	–	2+135	2+170	35.00	250	2.750	2.750	0.000	–	
–	GV-4	2+170	2+225	55.00	250	2.750	2.750	0.000	–	
GV-4	–	2+225	2+300	75.00	250	2.750	2.750	0.000	–	

Total pipe length: **2300.00 m**

The 4 profile drawing sheets are in the A3 drawing set (Generate A3 Drawing Set button of the tool).