



An- Najah National University

Water Pollution Control in Campus Area 2023-2024

An-Najah National University is committed to maintaining the highest standards of water pollution control through proactive measures integrated into its infrastructure, operations, and strategic goals. These efforts ensure water quality across all campuses while minimizing environmental impacts. The university employs various strategies to prevent water pollution, including careful design of the water and wastewater networks, preventive maintenance, and a comprehensive water quality monitoring program. Together, these initiatives contribute to preventing water pollution and mitigating its impact effectively.

Water Policy

The purpose of this policy is to ensure that water is used judiciously and reused to the maximum extent possible, preventing water pollution, and increasing the use of treated and recycled water. This policy aims to set objectives for the University to meet in order to reduce water use within the campus and support Sustainable Development Goal 6: Clean Water and Sanitation.

Polluted Water Prevention

The [Water Research Unit \(WRU\)](#) at An-Najah National University plays a central role in preventing water pollution. The WRU operates three specialized laboratories—Microbiology, Chemical, and ICPMS labs—dedicated to testing and ensuring the quality of water entering the campus. These labs perform regular testing as part of a rigorous water quality assurance program, covering the university's campuses and swimming pool. In addition, water quality is continuously monitored and assessed to ensure compliance with environmental standards, with evaluations conducted every six months and reports submitted to local environmental authorities.

The university employs preventative maintenance measures, including the use of wash-out facilities on all campus water networks to effectively drain and manage any polluted water. An-Najah also holds permission from local environmental agencies to conduct water quality monitoring, ensuring that the campus's water management adheres to legal and environmental guidelines.

Quality Control Report 2023/2024



جامعة النجاح الوطنية
An-Najah National University
الجامعة الإسلامية الحديثة في القدس والبلدات الفلسطينية
The Islamic University of Jerusalem and the Palestinian towns

Sample Source: An-Najah National University				Test Required: An-Najah National University			
				Sample Collection By: Center Staff			

Standard Methods for Examination of Water and Wastewater 19th Edition

Date	Sample No.	Time	Collection Point	Address	Site	Chlorine (mg/l)	Bacteriological Analysis	Nitrate NO3 (mg/l)
							HPC count	Coliform count/ml
April 10, 2024	81	9:40	Tank	An-Najah National University	North	0.88	NR	NR
September 10, 2024	8	9:10	Municipality line	An-Najah National University	North	0.58	NR	NR
September 19, 2024	18	10:18	Municipality line	An-Najah National University	East	0.48	NR	NR
August 27, 2024	21	10:28	Tank	An-Najah National University	East	0.58	NR	NR
August 14, 2024	69	9:55	Tank	An-Najah National University	North	0.58	NR	NR
August 8, 2024	81	9:50	Tank	An-Najah National University	East	0.68	NR	NR
July 1, 2024	69	10:38	Tank	An-Najah National University	East	0.58	NR	NR
June 16, 2024	18	10:18	Municipality line	An-Najah National University	South-East West	0.58	NR	NR
April 24, 2024	52	9:50	Municipality line	An-Najah National University	South-East West	0.48	NR	NR
April 19, 2024	8	9:00	Municipality line	An-Najah National University	East	0.68	NR	NR
March 28, 2024	33	10:38	Tank	An-Najah National University	North	0.88	NR	NR
February 17, 2024	25	9:10	Tank	An-Najah National University	East	0.58	NR	NR
February 15, 2024	17	8:30	Tank	An-Najah National University	North	0.58	NR	NR
February 6, 2024	10	7:40	Municipality line	An-Najah National University	North	0.58	NR	NR
February 4, 2024	3	9:50	Tank	An-Najah National University	East	0.48	NR	NR
January 28, 2024	15	9:30	Municipality line	An-Najah National University	New Campus	0.88	NR	NR

RELEASED:

Tested By: 

Signature: 

This report may not be issued without obtaining written approval from the center.

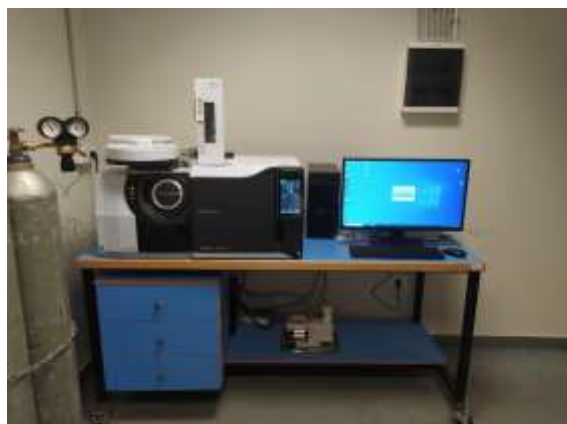
University: An-Najah National University

Address: P.O. Box 10, Nablus, West Bank, Palestine

Phone: +972 (0) 4 343 4343

Website: www.an-najah.edu

E-mail: info@an-najah.edu



ICPMS Lab (ANNU)



Microbiology Lab (ANNU)



Chemical Lab (ANNU)

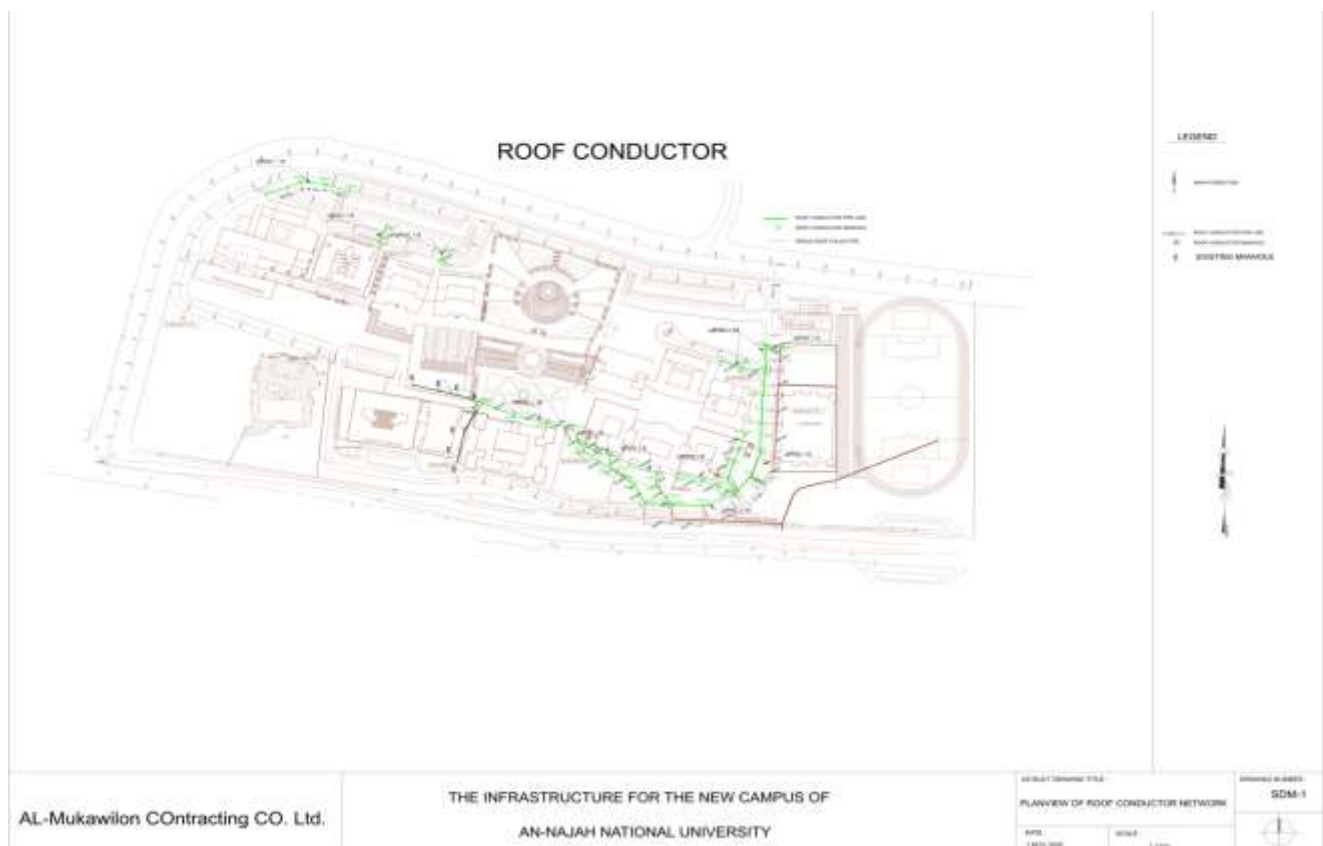


Guideline Standards

An-Najah National University follows the **Palestinian Green Building Guidelines 2023**, particularly Chapter 5 on Recycling of Gray Water and Water Use Efficiency. In line with these guidelines, the university treats all wastewater in a dedicated Wastewater Treatment Plant. Additionally, the university complies with the [Palestinian Water Discharge Guidelines](#), which are crucial for protecting local ecosystems. These guidelines form the basis for connecting housing and establishments to the public sewage network, ensuring proper water management and environmental protection.

Sewerage Disposal

Sewerage disposal and maintenance are critical to the university's water pollution control efforts. While it is the responsibility of the **Palestinian Local Government and Municipalities** to provide, maintain, and expand public sewerage systems, An-Najah National University's [Engineering and Maintenance Department ensures](#) that the sewage system within the university is regularly improved, expanded, cleaned, and maintained. This department is responsible for managing the effective discharge of wastewater from all university buildings through the campus sewage network into the municipal system for treatment at the [Nablus-West Wastewater Treatment Plant \(WWTP\)](#).





LEGEND

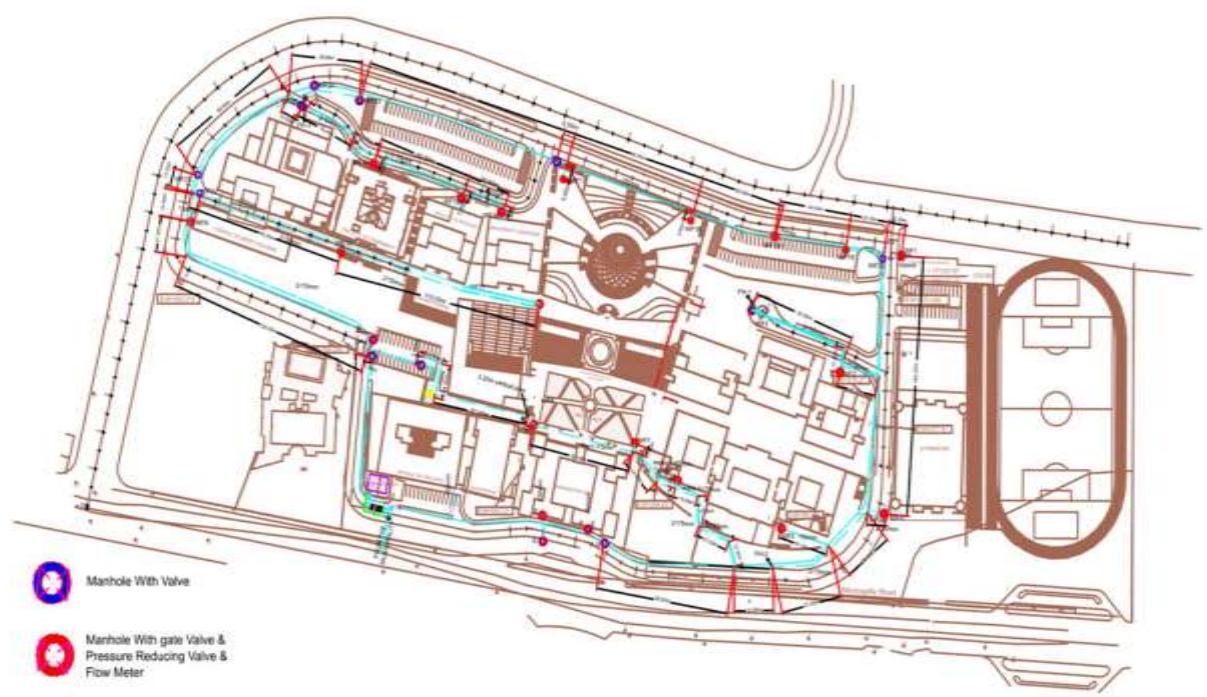
- STORM WATER COLLECTION
- MANHOLE
- MANHOLE WITH GATE VALVE
- MANHOLE WITH GATE VALVE & PRESSURE REDUCING VALVE & FLOW METER
- MANHOLE WITH GATE VALVE & PRESSURE REDUCING VALVE & FLOW METER & FLOW METER

AL-Mukawilon Contracting CO. Ltd.

THE INFRASTRUCTURE FOR THE NEW CAMPUS OF
AN-NAJAH NATIONAL UNIVERSITY

AS BUILT DRAWING TITLE
PLANVIEW OF STORM NETWORK
DATE
1/2021
SCALE
1:500

DRAWING NUMBER
SDM-3
A north arrow pointing upwards is located below the drawing number.



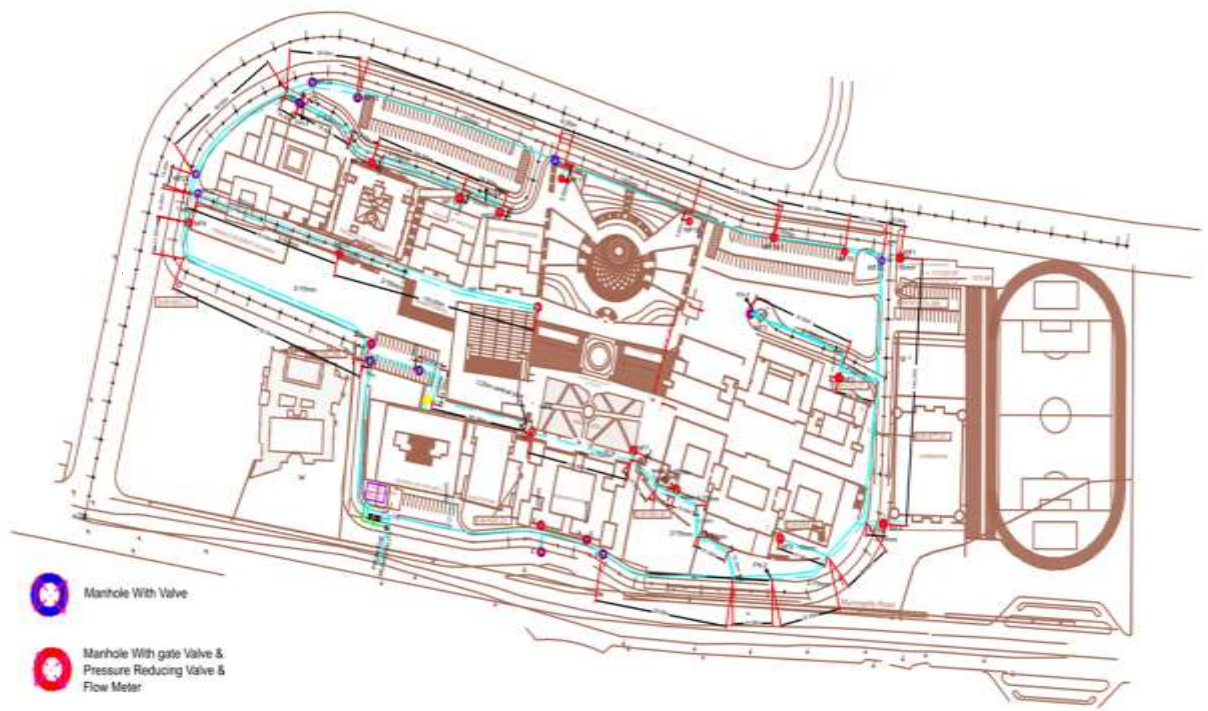
- Manhole With Valve
- Manhole With gate Valve & Pressure Reducing Valve & Flow Meter

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THE INFRASTRUCTURE FOR THE NEW CAMPUS OF
AN-NAJAH NATIONAL UNIVERSITY

AS BUILT DRAWING TITLE
Water & Fire Systems
DATE
1/2021
SCALE
1:500

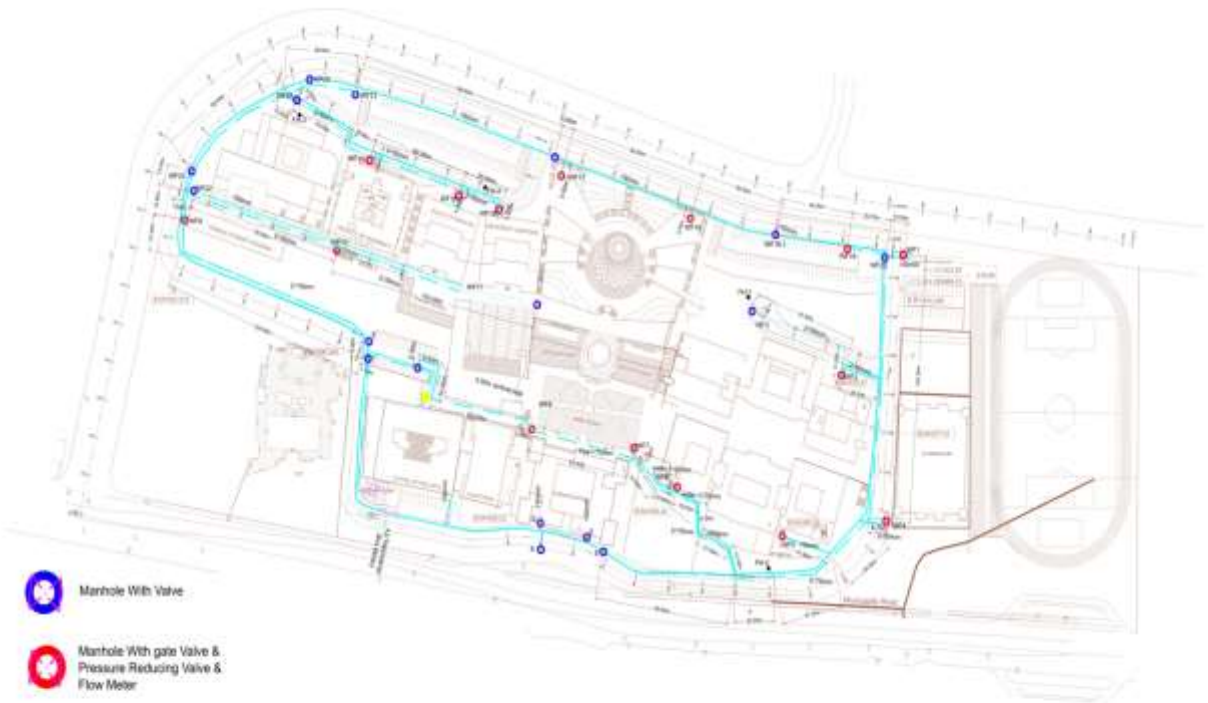
DRAWING NUMBER
SDM-4
A north arrow pointing upwards is located below the drawing number.



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THE INFRASTRUCTURE FOR THE NEW CAMPUS OF
AN-NAJAH NATIONAL UNIVERSITY

AS-BUILT DRAWING TITLE: **Water & Fire Systems**
DRAWING NUMBER: **SDM-4**
DATE: 1 NOV 2005 SCALE: 1:1000



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THE INFRASTRUCTURE FOR THE NEW CAMPUS OF
AN-NAJAH NATIONAL UNIVERSITY

AS-BUILT DRAWING TITLE: **Water & Fire Systems**
DRAWING NUMBER: **SDM-4**
DATE: 1 NOV 2005 SCALE: 1:1000



Wastewater Treatment Program

An-Najah National University's wastewater treatment efforts are integral to its water pollution control strategy:

- **Urban Wastewater Collection:** The university's main campuses, situated in a well-served urban area, are connected to the municipal sewage network. The wastewater generated on campus is treated at the [Nablus-West WWTP](#), and the treated water is repurposed for agricultural use, helping irrigate nearby farms and contributing to water conservation efforts.
- **On-Campus Wastewater Purification:** The Faculty of Agriculture operates its own wastewater purification plant, where collected wastewater is stored in specialized tanks. After purification, this water is used to irrigate campus plants, trees, and vegetables, with an annual volume of approximately 500 cubic meters.



Wastewater Purification Plant (ANNU)

- **Fish Farm Water Recycling:** Water from the university's fish farm is reused for irrigating trees and plants, further reducing water waste and enhancing sustainability on campus.