

THE COUNCIL FOR DEVELOPMENT  
AND RECONSTRUCTION (CDR)

## EXTENSION OF WASTEWATER COLLECTION NETWORKS DRAINED TOWARD EL MARJ AND AITANIT WASTEWATER TREATMENT PLANTS

### AITANIT WASTEWATER SYSTEM

### LAND ACQUISITION PLAN (LAP)

February 6, 2018

<b>ELARD LEBANON</b>			
THE COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION (CDR)		<b>Document Type:</b>	<b>Final Report</b>
		<b>Contract Ref:</b>	<b>19986</b>
<b>EXTENSION OF WASTEWATER COLLECTION NETWORKS DRAINED TOWARD EL MARJ AND AITANIT WASTEWATER TREATMENT PLANTS</b>		<b>No. of Pages:</b>	<b>51 (inc. Appendices)</b>
<b>Land Acquisition Plan (LAP)</b>		<b>Version no.:</b>	<b>B</b>
<b>Document Control</b>			
<b>Revision / Date</b>	<b>Issued by:</b>	<b>Reviewed by:</b>	<b>Approved by:</b>
<b>A-for Client Review</b> December 6, 2017	Lara Bou Ghanem Ghida Chami	Rana Zbeidy	Ricardo Khoury
<b>B-for Client Approval</b> February 6, 2018			
<b>C-for Distribution</b>			
<b>Disclaimer</b>			
<p><i>This report has been prepared by ELARD, with all reasonable skill, care and diligence within the terms of the contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client. The information contained in this report is, to the best of our knowledge, correct at the time of printing. The interpretations and recommendations are based on our experience, using reasonable professional skill and judgment, and based upon the information that was available to us. This report is confidential to the client and we accept no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at their own risk.</i></p>			

**ELARD Lebanon**

Amaret Chalhoub – Zalka Highway  
 2614 1407 - Fallas Building – 3<sup>rd</sup> Floor,  
 T : +961 1 888 305  
 T : +961 1 896 793  
 F : ext. 146  
 M: +961 3 910 032



Beirut | Abu Dhabi | Damascus | Tripoli | Baghdad  
[www.elard-group.com](http://www.elard-group.com)

## TABLE OF CONTENTS

Table of Contents .....	ii
List of Tables .....	ii
List of Figures .....	iii
List of Acronyms .....	iii
Table of Definitions .....	iv
1. Background .....	1
1.1 General Overview .....	1
1.2 Objectives of the LAP .....	1
1.3 Structure of the LAP .....	1
2. Project Overview .....	3
2.1 Existing Wastewater Management Systems .....	3
2.1.1 Wastewater Collection Networks .....	3
2.1.2 Aitanit Wastewater Treatment Plant .....	3
2.2 Proposed Wastewater Management systems .....	6
2.2.1 Construction Works in Baaloul .....	6
2.2.2 Construction Works in Qaraoun .....	6
3. Potential Impacts from Land Acquisition .....	8
4. Consultation with Relevant Stakeholders .....	13
5. Institutional Arrangements .....	14
5.1 Procedures .....	14
5.3 Schedule .....	15
6. Compensation Costs .....	16
7. Grievance Redress Mechanism .....	17
8. References .....	18
9. Appendices	
Appendix A-Master Plan of the Extension of Wastewater Collection Networks Drained Towards Aitanit WWTP: Alignment and Location of Network and Pumping Stations in Baaloul and Qaraoun	
Appendix B-Site Plans of Proposed Pumping Stations in Baaloul and Qaraoun	
Appendix C-Cadastral Maps of Affected Plots in Baaloul and Qaraoun	
Appendix D-Cadastral Documents (إفادات عقارية) of Affected Plots in Baaloul and Qaraoun	

## LIST OF TABLES

Table 2-1	Characteristics of the Proposed Pumping Stations .....	7
Table 3-1	Affected Plots and their areas in Baaloul and Qaraoun .....	8
Table 3-2	Affected Lands in Baaloul .....	10
Table 3-3	Affected Lands in Qaraoun .....	11
Table 6-1	Schedule for Land Acquisition through Land Designation .....	15

## LIST OF FIGURES

Figure 2-1	Fine Screening Unit.....	4
Figure 2-2	Sludge Settling Pond.....	5
Figure 2-3	Two Trickling Filter Basins.....	5
Figure 2-4	Sludge Drying Beds .....	6

## LIST OF ACRONYMS

BWE	Bekaa Water Establishment
ELARD	Earth Link and Advanced Resources Development
ESMP	Environmental and Social Management Plan
CDR	Council for Development and Reconstruction
CoM	Council of Ministers
DI	Ductile Iron
DLRC	Directorate of Land Registration and Cadastre
GoL	Government of Lebanon
LAP	Land Acquisition Plan
LRA	Litani River Authority
OP	Operational Policy
PAP	Project Affected People
PS	Pumping Station
RoW	Right-of-Way
uPVC	Unplasticized Polyvinyl chloride
WB	World Bank
WWTP	Wastewater Treatment Plant

## TABLE OF DEFINITIONS

Term	Definition
Affected Plot	Plot affected by land designation
Borrower	The Government of Lebanon, represented by the Council for Development and Reconstruction. Applicant to a project financed by the World Bank
Compensation	Replacement, usually in the form of financial replacement, for Project Affected People
Compensation Costs	Replacement cost for the compensation of assets or livelihoods or sources of income affected by involuntary displacement
Land Designation	An administrative process whereby state-owned land is designated to the ownership and management of another public institution
Replacement Cost	<p>As defined by WB Operating Policy OP 4.12 on Involuntary Resettlement “is the method of valuation of assets that helps determine the amount sufficient to replace lost assets and cover transaction costs. In applying this method of valuation, depreciation of structures and assets should not be taken into account. For losses that cannot easily be valued or compensated for in monetary terms (e.g., access to public services, customers, and suppliers; or to fishing, grazing, or forest areas), attempts are made to establish access to equivalent and culturally acceptable resources and earning opportunities.</p> <p>Where domestic law does not meet the standard of compensation at full replacement cost, compensation under domestic law is supplemented by additional measures necessary to meet the replacement cost.”</p>

# **1. BACKGROUND**

## **1.1 GENERAL OVERVIEW**

Earth Link and Advanced Resources Development s.a.l. (ELARD) was selected by the Council for Development and Reconstruction (CDR) (the “Implementing Agency”) to develop an Environmental and Social Management Plan (ESMP) and Land Acquisition Plan (LAP) for the construction of additional sewage networks for the following 13 villages:

- Bouerij, Chtaura, El Mraijet, Jdita, Jlala, Makse, Taalabaya, Taanayel, Wadi Ed Delem, Zebdol and Saouiri that will connect to El Marj Wastewater Treatment Plant (WWTP); and
- Baaloul and Qaraoun that will connect to Aitanit Wastewater Treatment Plant (WWTP).

This Land Acquisition Plan (LAP) for the additional sewage networks in Baaloul and Qaraoun was prepared in alignment with the Terms of Reference Activity II on Land Acquisition Plan – LAP of the Extension of Wastewater Collection Networks Drained toward El Marj and Aitanit Wastewater Treatment Plants Project. This LAP was prepared in accordance with Lebanese Law and the Operational Policies (OP) of the World Bank (WB) defined under OP 4.12 on Involuntary Resettlement.

## **1.2 OBJECTIVES OF THE LAP**

The LAP aims at identifying the significance of identified socio-economic impacts resulting from the Project (particularly activities related to land acquisition/designation), describing the characteristics of the potentially-affected communities with emphasis on the socio-economic vulnerabilities in the Project area. The LAP will also describe the existing mechanisms and systems for the consultation with the project affected persons (PAPs) and for grievance redress.

The LAP has been prepared to align with the Resettlement Policy Framework (RPF) prepared for the Lake Qaraoun Pollution Prevention Project and issued year 2015.

## **1.3 STRUCTURE OF THE LAP**

This LAP document was prepared based on the requirements of the WB OP 4.12 and those stipulated in the Terms of Reference Activity II on Land Acquisition Plan – LAP. This document comprises the following sections:

1. Background, including Project and LAP overview and the objectives of the LAP;
2. Project Overview, including location, geographic extent, and components;
3. Potential Impacts from Land Acquisition, listing all plots to be acquired/designated, plot area, acquisition/designation area, current land use, among others, and a description of the demographic and socio-economic conditions of the identified PAPs;
4. Compensation Standards, given the impacts associated with land designation for implementation of the pumping stations component of the Aitanit Wastewater System,

and the general procedures and responsibilities for each of: compensation, land tenure, and appeals, as stipulated by the Lebanese law in case of expropriation.

5. Consultations with all Project Affected People, describing the procedures implemented for engaging the public, disclosing information the public is deemed eligible to and the grievance redress arrangements;
6. Institutional Arrangements, describing the public administrations usually involved in the land designation procedure and a preliminary schedule involving the overall activities of Project implementation, including those related to land designation;
7. Compensation Costs in the form of replacement costs or other costs incurred by the project if any; and
8. Grievance Redress Mechanism, proposing a mechanism for grievance redress that can be used by affected people and others to present complaints.

## 2. PROJECT OVERVIEW

One of the main components of The Lake Qaraoun Pollution Prevention Project is to improve the collection of the municipal sewage through the construction of new networks and rehabilitating part of the old ones. This includes, among others, the construction of a sewage network and pumping stations in 13 villages in Zahleh and West Bekaa Cazas divided into two main systems:

- El Marj wastewater system: includes Bouerij, Chtaura, El Mraijet, Jdita, Jlala, Makse, Taalabaya, Taanayel, Wadi Ed Delem, Zebdol and Saouiri connected to El Marj WWTP; and
- Aitanit wastewater system (addressed in this report) includes the villages of Baaloul and Qaraoun connected to Aitanit WWTP. The latter services a total of four villages, two of which have sewer networks already constructed that are not addressed in this LAP report, which are Machghara and Aitanit.

### 2.1 EXISTING WASTEWATER MANAGEMENT SYSTEMS

#### 2.1.1 Wastewater Collection Networks

Currently around 10.3 km of gravity sewer lines exist in Baaloul and serve most of the village. All the wastewater is conveyed by gravity to Qaraoun, which is conveyed, in turn, to the Aitanit WWTP. At present, no sewage pumping stations exist in Baaloul.

Around 16.5 km of gravity sewer lines exist in Qaraoun and mainly serve the upper part of the village, above the main road. At present, one sewage pumping station exists, in addition to a sewer force main of around 1 km. This pumping station pumps wastewater conveyed from Qaraoun, together with that of Baaloul, to the Aitanit WWTP.

#### 2.1.2 Aitanit Wastewater Treatment Plant

The Aitanit WWTP is located within the cadastral area of the village of Aitanit at approximately 400 m south of the Qaraoun Dam on the Litani River. The WWTP commenced operation in 2009 and was designed to operate on an average flow of 5,000 m<sup>3</sup>/day and on a peak flow of 7,000 m<sup>3</sup>/day; however, it has been reported to be working under capacity treating around 1,500 m<sup>3</sup> to 2,500 m<sup>3</sup> of wastewater per day. The treated effluent is being discharged into the Litani River.

The WWTP consists of the following units:

- One inflow reception and pumping station equipped with one static screen, two duty and one standby submersible pumps;
- Two mechanically-operated fine screens where large solids are retained and collected manually to garbage bags (Figure 2-1);
- A septic haulers receiving station equipped with one screen and one pump;
- Three primary clarifiers (Figure 2-2);



- Primary sludge pumping station with two duty submersible pumps;
- Trickling filters pumping station with two duty and two standby submersible pumps;
- Two trickling filters (Figure 2-3);
- Three final clarifiers;
- Secondary sludge pumping station:
  - Excess sludge: one duty and one standby submersible pump; and
  - Recirculating sludge: three duty and one standby submersible pumps.
- Two chlorine contact basins: two parallel basins (one for future operation);
- Four anaerobic digesters to reduce the organics content in the sludge to 50% and the sludge is therefore stabilized and partially thickened; and
- Sludge drying ponds; 6 units with a surface of 1,200 m<sup>2</sup> each. Those are utilized to dry the sludge to a solids content of more than 30% (Figure 2-4).



**Figure 2-1 Fine Screening Unit**



**Figure 2-2**      **Sludge Settling Pond**



**Figure 2-3**      **Two Trickling Filter Basins**



**Figure 2-4 Sludge Drying Beds**

## **2.2 PROPOSED WASTEWATER MANAGEMENT SYSTEMS**

The proposed Aitanit wastewater system includes the construction of 13.2 km of additional sewer lines (gravity lines and force mains) and six (6) pumping stations in Baaloul and Qaraoun, in addition to lateral sewer lines. The additional sewer lines will be constructed within the public domain along the existing roads Right-of-Way. This will not require land acquisition. As for the proposed pumping stations in Baaloul and Qaraoun, these are located on state-owned lands, where the Government of Lebanon (GoL) and Litani River Authority (LRA) have propriety rights over. As such, no land acquisition through expropriation will take place. Proposed plots will be acquired through a process known as *designation*.

### *2.2.1 Construction Works in Baaloul*

Construction works in the village of Baaloul will comprise of:

- A total length of 3.2 km of unplasticized Polyvinyl Chloride (uPVC) sewer lines of 200 mm in diameter as gravity sewer lines, and Ductile Iron (DI) lines of 80 mm in diameter as sewer force mains, in addition to lateral sewers to connect the newly-served population to the network. Around 100 households will be serviced by the proposed additional sewer lines. Alignment of the proposed additional sewer lines in the village of Baaloul are shown in Appendix A of this report.
- Two (2) sewage pumping stations described in Table 2-1. The location of these proposed pumping stations in the village of Baaloul are presented in Appendix B of this report.

### *2.2.2 Construction Works in Qaraoun*

Construction works in the village of Qaraoun will comprise of:

- A total length of 10 km of uPVC sewer lines of 200 mm in diameter as gravity sewer lines, and DI 80–150 mm in diameter as sewer force mains, in addition to lateral sewers to connect the newly-served population to the network. A total of 240 housing units will be serviced by the additional sewer lines in Qaraoun. Alignment of the proposed additional sewer lines in the village of Qaraoun are shown in the Master Plan, Appendix A of this report.
- Construction of four (4) sewage pumping stations, described in Table 2-1. Two pumping stations sites require the construction of access roads branching from an existing road. The location of these proposed pumping stations in the village of Qaraoun are presented in Appendix B of this report.

**Table 2-1 Characteristics of the Proposed Pumping Stations**

Plot Number	Pumping Station (PS) Number	Pumping Unit (Count)	Design Flow Rate (l/s)	Auxiliary Systems
<b>Baaloul</b>				
/2587/	PS-1	Duty Pump (1) Standby Pump (1) Future Pump (1)	3.5	Standby Generator Fuel storage tank
/2283/	PS-2	Duty Pump (1) Standby Pump (1) Future Pump (1)	3.5	Standby Generator Fuel storage tank
<b>Qaraoun</b>				
-/7365/	PS-3	Duty Pump (1) Standby Pump (1) Future Pump (1)	3.83	Standby Generator Fuel storage tank
/2966/	PS-4	Duty Pump (1) Standby Pump (1) Future Pump (1)	12.38	Standby Generator Fuel storage tank
/3627/	PS-5	Duty Pump (1) Standby Pump (1) Future Pump (1)	6.28	Standby Generator Fuel storage tank
/4243/	PS-6	Duty Pump (1) Standby Pump (1) Future Pump (1)	3.5	Standby Generator Fuel storage tank

### 3. POTENTIAL IMPACTS FROM LAND ACQUISITION

The construction of the additional sewer lines will take place within public domain along the existing roads ROW, with no need for land acquisition. Proposed plots for the construction of the pumping stations in Baaloul and Qaraoun are state-owned by the GoL and LRA. Land acquisition, in part or full, will be through the process of designation. The latter is defined as designating the state-owned land to the authority and management of another public authority, in this case, the Bekaa Water Establishment (BWE). Plots that will undergo land designation will be referred to as affected plots.

Affected plots, their total areas, and areas needed for designation for each pumping station and their associated components (lift line and access road) in Baaloul and Qaraoun are presented in Table 3-1.

**Table 3-1 Affected Plots and their areas in Baaloul and Qaraoun**

Plot Number	Plot Area (m <sup>2</sup> )	Designation Area (m <sup>2</sup> )	Project Component
<b>Baaloul</b>			
/2587/	315	315	PS-1
/2283/	1,270	278	PS-2
/1745/	41,461	1,109	Lift Line
<b>Qaraoun</b>			
/7366/	1,465	127	Access road to PS-3
/7365/	1,112	222	PS-3
/2966/	5,495	245	PS-4
/3627/	712	317	PS-5
/643/	1,134	192	Access road to PS-6
/4243/	3,040	183	PS-6
<b>Total</b>	<b>56,004</b>	<b>2,988</b>	

Cadastral maps of the affected plots to be designated for the project in Baaloul and Qaraoun are presented in Appendix C of this report.

A Cadastral Survey and Assets Census, in the form of site visits, was carried out on October 31<sup>st</sup>, 2017, to the sites proposed for the construction of the pumping stations in Baaloul and in Qaraoun, including the construction of two access roads, to identify their current land use, presence of inhabited housings, fixed structures, or socio-economic activity. The Findings along with photographic documentation of these plots are presented in Table 3-2 and




Table 3-3.

As shown in Table 3-2 and




Table 3-3, only plot /2587/ in Baaloul will require complete land designation, while the remaining plots will require partial land designation. All proposed plots were not utilized or inhabited by the time of the site visits. Existing trees were found bounding and within some of the plots. Land designation of the proposed plots for the purpose of the project will not result in involuntary physical relocation of people, direct or indirect impacts on individual livelihoods or sources of income, or will it cause demolition of any existing structures or assets. Additionally, no cultivated agricultural areas were present in any of the plots; therefore, there are no current or foreseen crop losses from the execution of the Project.

A total of 56 existing trees have been identified to be potentially removed from the surveyed proposed plots. Nevertheless, it is to be noted that these trees, as reported by municipalities, are owned by the municipalities of Baaloul and Qaraoun, are of low productivity (abandoned) and are not used as a source of income.


**Table 3-2 Affected Lands in Baaloul**

Project Component	Plot No.	Propriety Rights	Photographic Documentation of Proposed Plot	Land Use According to the Land Ownership Certificate / (إفادة عقارية) (Appendix D)	Existing Land Use / Fixed Assets	Plot Area (m <sup>2</sup> )	Designation Area (m <sup>2</sup> )	Fixed Assets to be Removed
PS-1	/2587/	GoL		Non-irrigated rocky land	<ul style="list-style-type: none"> <li>Six small olive trees (unproductive)</li> <li>Two small apple trees (unproductive)</li> <li>One small pine tree (unproductive)</li> <li>Constructed rock wall of 25 m length and 0.5 m height</li> </ul>	315	315	<ul style="list-style-type: none"> <li>6 small olive trees (unproductive)</li> <li>2 small apple trees (unproductive)</li> <li>1 small pine tree (unproductive)</li> <li>Constructed rock wall of 25 m length and 0.5 m height</li> </ul>
PS-2	/2283/	GoL		Non-irrigated rocky land	<ul style="list-style-type: none"> <li>Four medium-aged olive trees (low production)</li> <li>One walnut tree (low production)</li> <li>Two medium-aged almond trees (low production)</li> </ul>	1,270	278	<ul style="list-style-type: none"> <li>Six out of seven trees (low production)</li> </ul>
Lift Line	/1745/ Section 2 (below road level)	GoL		Non-irrigated rocky land	Fifty-five (55) planted pine trees (on lower side of Plot)	41,461 (Sections 1 and 2) Section 2 needed for Lift Line: approx. 22,000	1,109 (from Section 2)	Approx. 10 trees

**Table 3-3 Affected Lands in Qaraoun**

Project Component	Plot No.	Propriety Rights	Photographic Documentation of Proposed Plot	Land Use According to the Land Ownership Certificate / (إفادة عقارية) (Appendix D)	Existing Land Use / Fixed Assets	Plot Area (m2)	Designation Area (m2)	Removed Fixed Assets
Access road to PS-3	/7366/	LRA		Non-irrigated land/ shrub land planted grains	<ul style="list-style-type: none"> <li>Station building owned by the Litani River Authority, bounded by a fence</li> <li>A water well room</li> </ul>	1,465	127	None
PS-3	/7365/	LRA		Non-irrigated land/ shrub land planted grains		1,112	222	
PS-4	/2966/	LRA		Non-irrigated land/ shrub land planted grains	<ul style="list-style-type: none"> <li>Abandoned stockpiles of rock and soil</li> </ul>	5,495	245	None
PS-5	/3627/	LRA		Non-irrigated land/ shrub land planted grains	<ul style="list-style-type: none"> <li>20 big fir and cypress trees</li> <li>Six small walnut trees (unproductive)</li> <li>Constructed wall of 80 cm height</li> <li>Existing road of width 7 m</li> </ul>	712	317	Approx. 6 trees



Project Component	Plot No.	Propriety Rights	Photographic Documentation of Proposed Plot	Land Use According to the Land Ownership Certificate / (إفادة عقارية) (Appendix D)	Existing Land Use / Fixed Assets	Plot Area (m2)	Designation Area (m2)	Removed Fixed Assets
Access road to PS-6	/643/	LRA		Non-irrigated land/ Part planted with vine/ part planted with three almond trees	<ul style="list-style-type: none"> <li>Existing road of width 5 m</li> <li>Approx. 10 pine trees</li> </ul>	1,134	192	Approx. 10 trees
PS-6	/4243/	LRA		Non-irrigated land/ shrub land planted grains	<ul style="list-style-type: none"> <li>Forest of pine trees and prickly cedar trees</li> </ul>	3,040	183	Approx. 15 trees

## 4. CONSULTATION WITH RELEVANT STAKEHOLDERS

According to the existing laws and regulations, international conventions and good practice, the public has the right to be properly and timely informed about any type of project that can cause an impact on livelihoods, socio-economic conditions, and the environment. Based on the findings of the Cadastral Survey and Assets Census to the plots affected by the proposed Project, no Project Affected People (PAPs) were identified. As all plots are state-owned, locally managed by the municipalities of Baaloul and Qaraoun, the latter have been consulted by the LAP Consultant for the purpose of this report.

Public consultation is an on-going process that takes place throughout the entire Project lifecycle; during project planning, resettlement planning, setting the compensation, drafting and signing the contracts, paying the compensation, implementing the resettlement activities, and during monitoring and evaluation.

As discussed earlier, plots allocated for the construction of the proposed pumping stations are owned by the GoL or Litani River Authority. As such, no expropriation of land will take place. Land acquisition will be take place through *designation*. As mentioned above, designation is defined as entitling state-owned land to the authority and management of another public authority or institution, in this case, the Bekaa Water Establishment (BWE).

To assess the impacts – if any – of land designation, meetings with the main stakeholders, Mr. Mohammad Mohieddine, President of Baaloul's Municipal Council and Engineer Yehya Daher, President of Qaraoun's Municipal Council, on October 31, 2017 were arranged.

After reviewing the current status of the proposed plots in terms of ownership, land use, zoning requirements, and any existing residential housings or socio-economic activity, it was found that no individuals will be displaced and no sources of income or socio-economic activities will be negatively impacted. With reference to Section 3 above on Potential Impacts from Land Acquisition, all of the plots were found to be abandoned and not used for residential or other socio-economic activities, except for Plots no. /7365/ and /7366/ in Qaraoun which accommodate a station building for the LRA bounded by a fence and a water well room (refer to Table 3-3). Nevertheless, the positioning of, and the areas required for the construction of the access road to PS-3 in Qaraoun on Plot no. /7366/ and that for the construction of PS-3 on Plot no. /7365/, will not affect these existing structures. As for the expected count of trees that might be removed, they consist of a total of approximately 56 trees, owned by the municipalities, that are of low productivity and not used as a source of income; therefore, individuals' livelihoods are not likely to be impacted from their removal.

In summary, no direct or indirect impacts from the displacement of individuals or disturbance to existing sources of income or socio-economic activities are likely to take place from the construction of proposed pumping stations component (or networks) of the Extension of Wastewater Collection Networks – in Baaloul and Qaraoun – Drained toward Aitanit Wastewater Treatment Plant Project.

## 5. INSTITUTIONAL ARRANGEMENTS

This section identifies the institutional procedure for land acquisition, through designation, and overall preliminary schedule for implementing the Project.

### 5.1 PROCEDURES

To avoid involuntary displacement and resettlement, the different project components, particularly that involved with the construction of pumping stations, were carefully designed and planned to favor state-owned lands over private-owned plots, inhabited properties, or built lands, wherever technically possible and financially feasible.

In instances where land acquisition through expropriation is sought, the Council for Development and Reconstruction (CDR) is the exclusive party responsible for expropriation procedures and the issuance of administrative authorizations and licenses, except in the case where the Council of Ministers (CoM) issues them. The Expropriation Unit at CDR works closely with the CDR Projects Department Engineers and the CDR Legal Department from the initiation of the expropriation decree process until payment of settlements to PAPs, if any.

For the case of Aitanit wastewater system – subject of this LAP report – given that all the plots are state-owned by GoL or LRA, no expropriation of land will take place. Land acquisition through designation will follow the below procedure:

- Identification of state-owned plots to be designated and the area needed for designation from each state-owned plot;
- Preparation of a dossier with the needed areas for designation by the appointed design consultant and sending it to the CDR;
- CDR sends the request for land designation to the concerned ministry, in this case, the Ministry of Energy and Water (MoEW) for approval;
- The concerned ministry, MoEW, forwards the dossier to the Ministry of Finance (MoF) for approval;
- Following MoF approval, the identified plots are marked at the Directorate of Land Registration and Cadastre (DLRC), where the cadastral certificate of each plot, known as “إفادة”, has an indication of the area needed for designation, now considered as reserved, and that cannot be utilized by another public administration for other projects; and
- Designation decrees are prepared by the CDR and processed through a Council of Ministers decision.

### 5.3 SCHEDULE

The preliminary schedule covering the overall program of works of the project, including land acquisition through designation, is presented in Table 5-1.

**Table 5-1 Schedule for Land Acquisition through Land Designation**

<b>Task</b>	<b>Responsibility</b>	<b>Date</b>
Cadastral Survey and Assets Census	LAP Consultant	October 31, 2017
Consultations with Baaloul and Qaraoun municipalities	LAP Consultant	October 31, 2017
Land designation	Council of Ministers	Anticipated upon the completion of tendering phase (for construction works and supervision of works): February 2018 (tentative)
Construction of additional networks and pumping stations	Awarded Contractor Awarded Supervision of Works Consultant CDR	12 months from award of contract (for construction works and supervision of works): March 2018 (tentative)
Testing and commissioning	Awarded Contractor Awarded Supervision of Works Consultant CDR	12 months from the award of contract

## **6. COMPENSATION COSTS**

In principle, the WB OP 4.12 stipulates that in cases of land acquisition through expropriation, the estimated budget for expropriations related to land acquisition and fixed assets/structures is based on a valuation that takes into consideration replacement costs sufficient to improve the livelihoods and standards of living of those displaced or at least to restore them, in real terms, to pre-displacement levels or to levels prevailing prior to the beginning of project implementation, whichever is higher.

Nevertheless, given that the plots proposed for the construction of the pumping stations are state-owned by the GoL and LRA and will be designated to the local authorities of Baaloul and Qaraoun municipalities, and considering that no PAPs have been identified from implementing the Project, no compensation costs are incurred and no resettlement budget is assigned.

## **7. GRIEVANCE REDRESS MECHANISM**

To meet the requirements of the WB OP 4.12, the Borrower, in this case the CDR representing the GoL, should establish a well-tailored and independent Grievance Redress Mechanism (GRM) against compensation, assistance, land acquisition, and resettlement prior to the Project implementation for projects that involve expropriation of lands. In general, the main objective of establishing a GRM is to:

- Permit an aggrieved affected person to appeal against any unlikable decision or activity arising from compensation of acquired land or other assets;
- Secure that PAPs are fairly compensated;
- Improve the accountability of the Project;
- Increase the level of satisfaction of beneficiaries from the Project; and
- Handle complaints and take corrective actions towards continuous improvement.

PAPs are informed of the established GRM for addressing complaints and expressing dissatisfaction at the time that the acquisition plan is approved and individual compensation contracts are signed.

Nonetheless, taking into consideration that the plots proposed for establishing the sewage pumping stations are state-owned, and no PAPs have been identified from the implementation of this component of the Extension of Wastewater Collection Networks Drained toward Aitanit Wastewater Treatment Plant Project; hence, there will be no established GRM related to land acquisition.

## **8. REFERENCES**

Greater Beirut Water Supply Augmentation Project Environmental and Social Impact Assessment, Resettlement Action Plan. CDR. 2014

Law No. 58. (1991). Lebanese Expropriation Law dated 29/05/1991, amended on 8/12/2006.

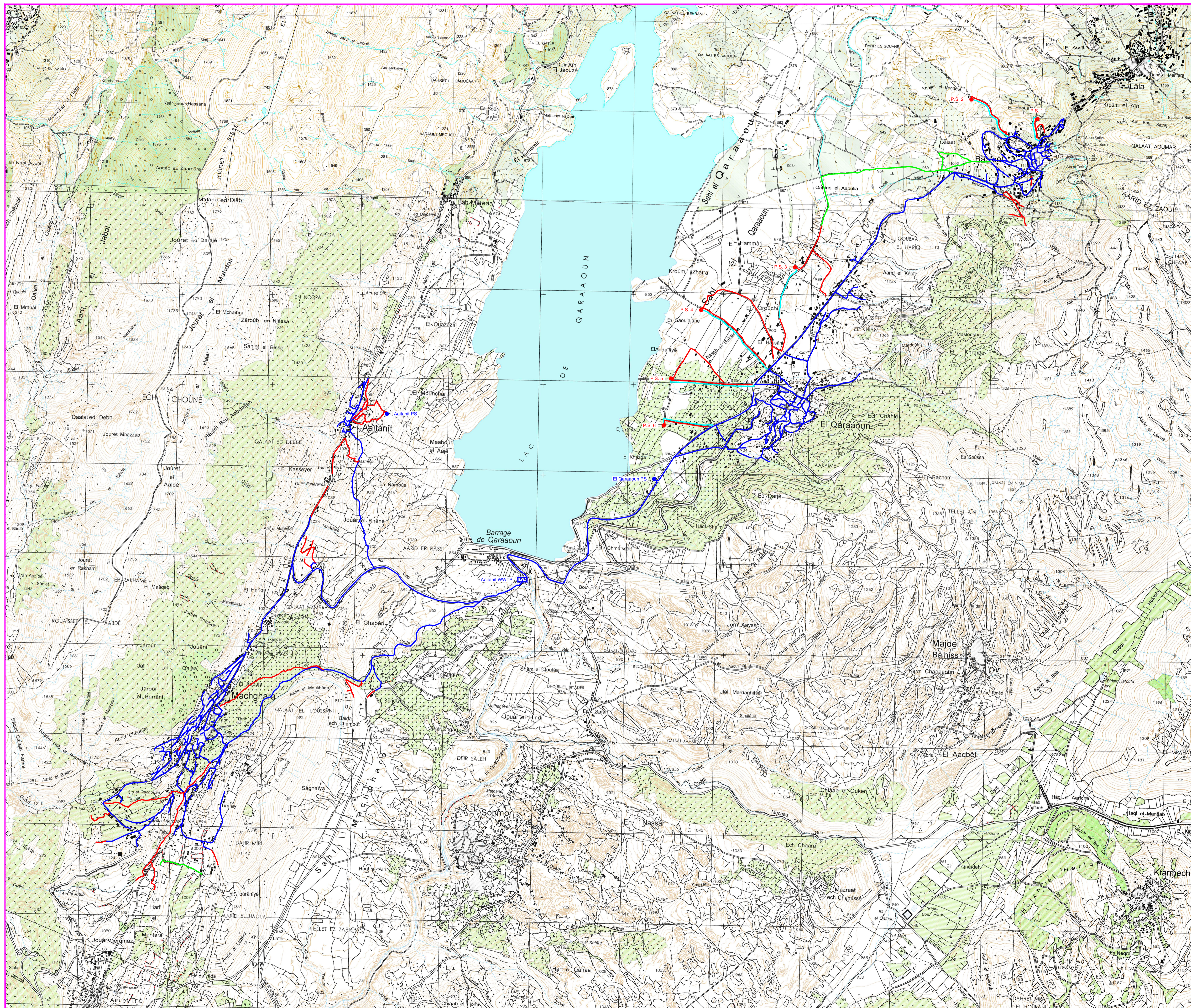
World Bank Operational Policy 4.12, Involuntary Resettlement, dated December 2001, revised April 2013.

## **9. APPENDICES**



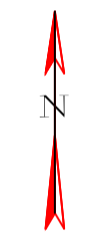
**APPENDIX A-MASTER PLAN OF THE EXTENSION OF WASTEWATER COLLECTION NETWORKS  
DRAINED TOWARDS AITANIT WWTP: ALIGNMENT AND LOCATION OF NETWORK AND  
PUMPING STATIONS IN BAALOUL AND QARAOUN**

MASTER PLAN OF THE EXTENSION OF WASTEWATER COLLECTION NETWORKS DRAINED TOWARD AITANIT WWTP



LEGEND

- EXISTING SEWER LINE
- PROPOSED GRAVITY SEWER LINE
- PROPOSED SEWER FORCE MAIN
- ELIMINATED SEWER LINE
- EXISTING WASTEWATER TREATMENT PLANT
- EXISTING SEWAGE PUMPING STATION
- PROPOSED SEWAGE PUMPING STATION



Rev.	Date	Dsgn	Drawn	Chk'd	Appr'd

**REPUBLIC OF LEBANON**  
 MINISTRY OF ENERGY AND WATER  
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

**ED** BUREAU TECHNIQUE POUR LE DEVELOPPEMENT  
 JALL ED DIB - HAJAL Bldg TEL:(04) 712157 / 712158  
 P.O.BOX:70492 - ANTELIAS FAX: (04) 712159

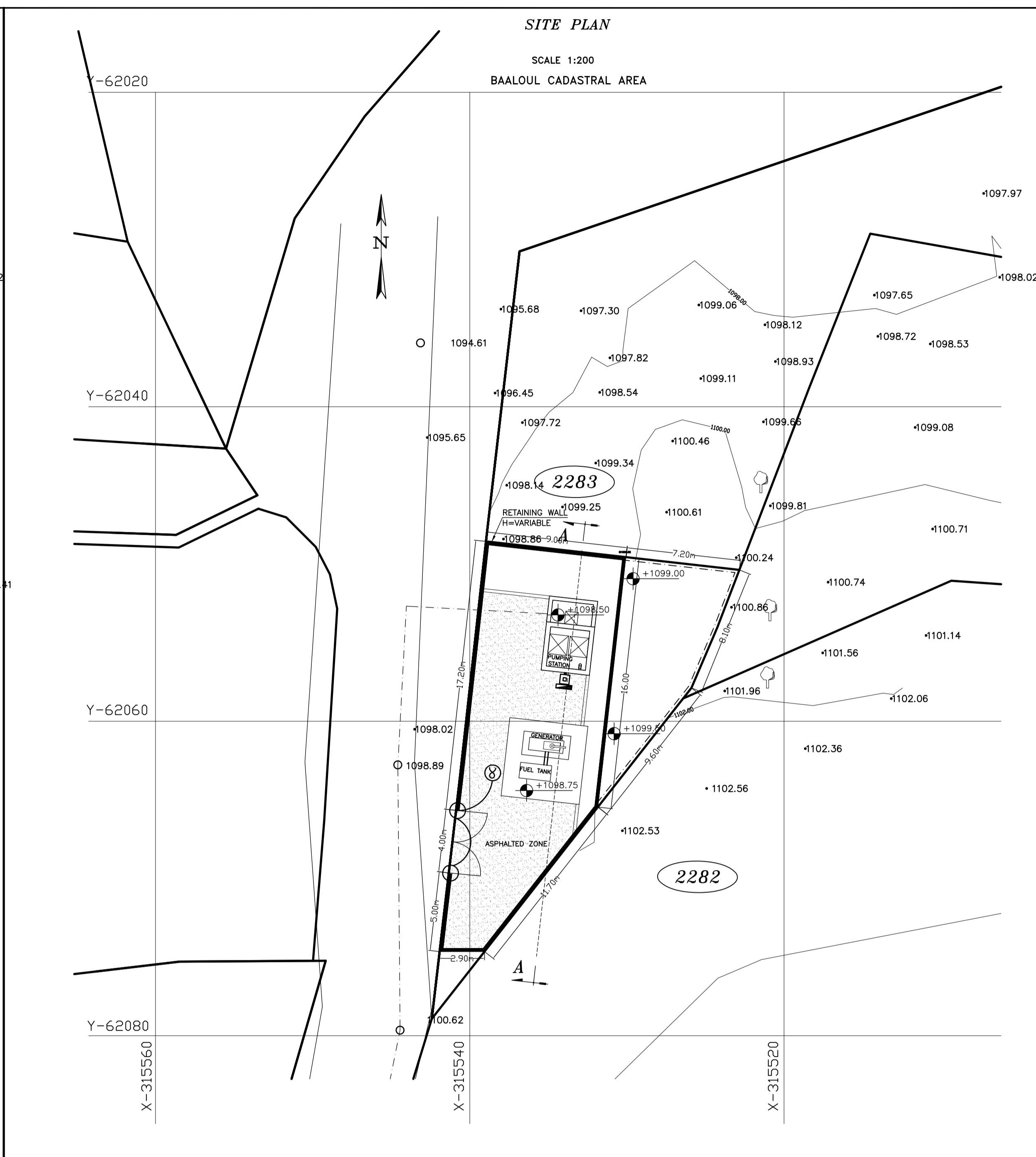
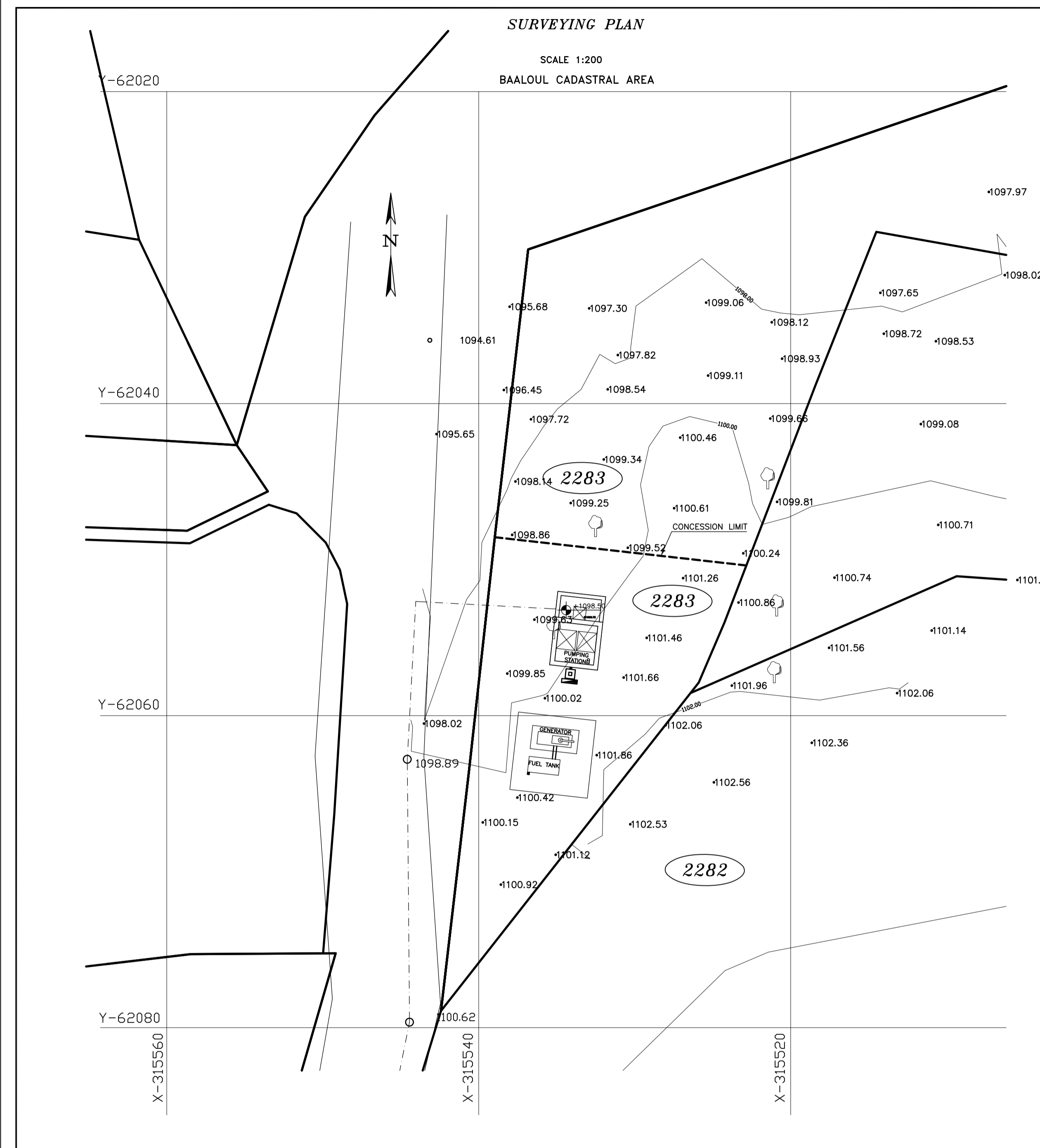
**CONSTRUCTION OF ADDITIONAL SEWER LINES  
 AND SEWAGE PUMPING STATIONS IN BAALOUL  
 AND EL QARAAOUN - WEST BEQAA CAZA**

ALL VILLAGES	GENERAL PLAN
--------------	--------------

FILE	DESIGNED BY	DRAWN BY	CHECKED BY
462-06GP-01	R. YAACOUB	R. YAACOUB	R. YAACOUB

DATE	SCALE	SHEET No.	DRAWING No.
APRIL 2017	1:20000	1/1	462-06GP-01

## **APPENDIX B-SITE PLANS OF PROPOSED PUMPING STATIONS IN BAALOUL AND QARAOUN**

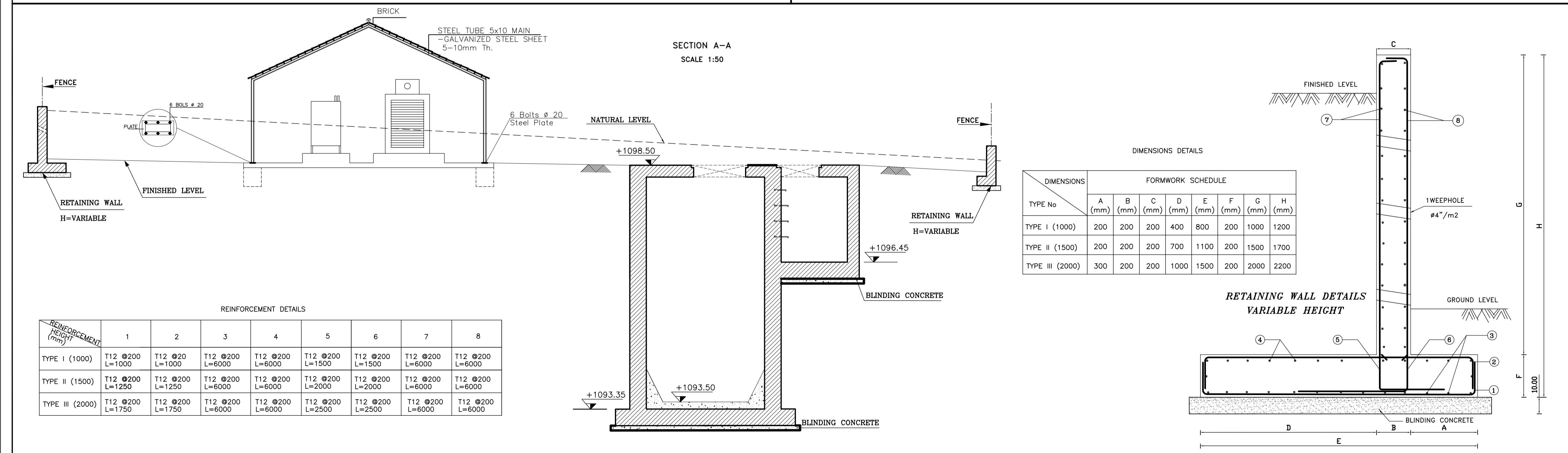


- NOTES:**
- GROUND LEVEL OF PUMPING STATION BUILDING = +1098.50m
  - DO NOT SCALE FROM THIS DRAWING
  - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
  - ALL LEVELS ARE IN M UNLESS OTHERWISE SPECIFIED

**TOPOGRAPHICAL LEGEND**

	CULVERT/BRIDGE		RETAINING WALL
	SPRING		RAILWAY
	WELL		CHANNEL
	DECIDUOUS/PINE TREE		TERRACE
	ROCKS		FENCE
	BUSHES		STREAM/RIVER
	MANHOLE SEWER		PYLON
	MANHOLE WATER		ELECTRIC SUB STATION
	MANHOLE TELEPHONE		ELECTRIC POLE/TELEGRAPH POLE
	MANHOLE NOT IDENTIFIED		OVERGROUND WATER PIPE
	LIGHTING POLE		UNDERGROUND WATER PIPE
	BUILDING FOUNDATION/BUILDING UNDER CONSTRUCTION		SPOT HEIGHT
	ROAD		TRAVERSING STATION
	TRACK		TRIANGULATION POINT
	REFERENCE LINE		BENCH MARK
	SIDE WALK		LOT No
			LOT LIMIT
			CIRCUMSCRIPTION BOUNDARY
			EXPROPRIATION LIMIT

Rev.	Date	Dagn	Drawn	Chk'd	App'd



**REPUBLIC OF LEBANON**  
 MINISTRY OF ENERGY AND WATER  
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

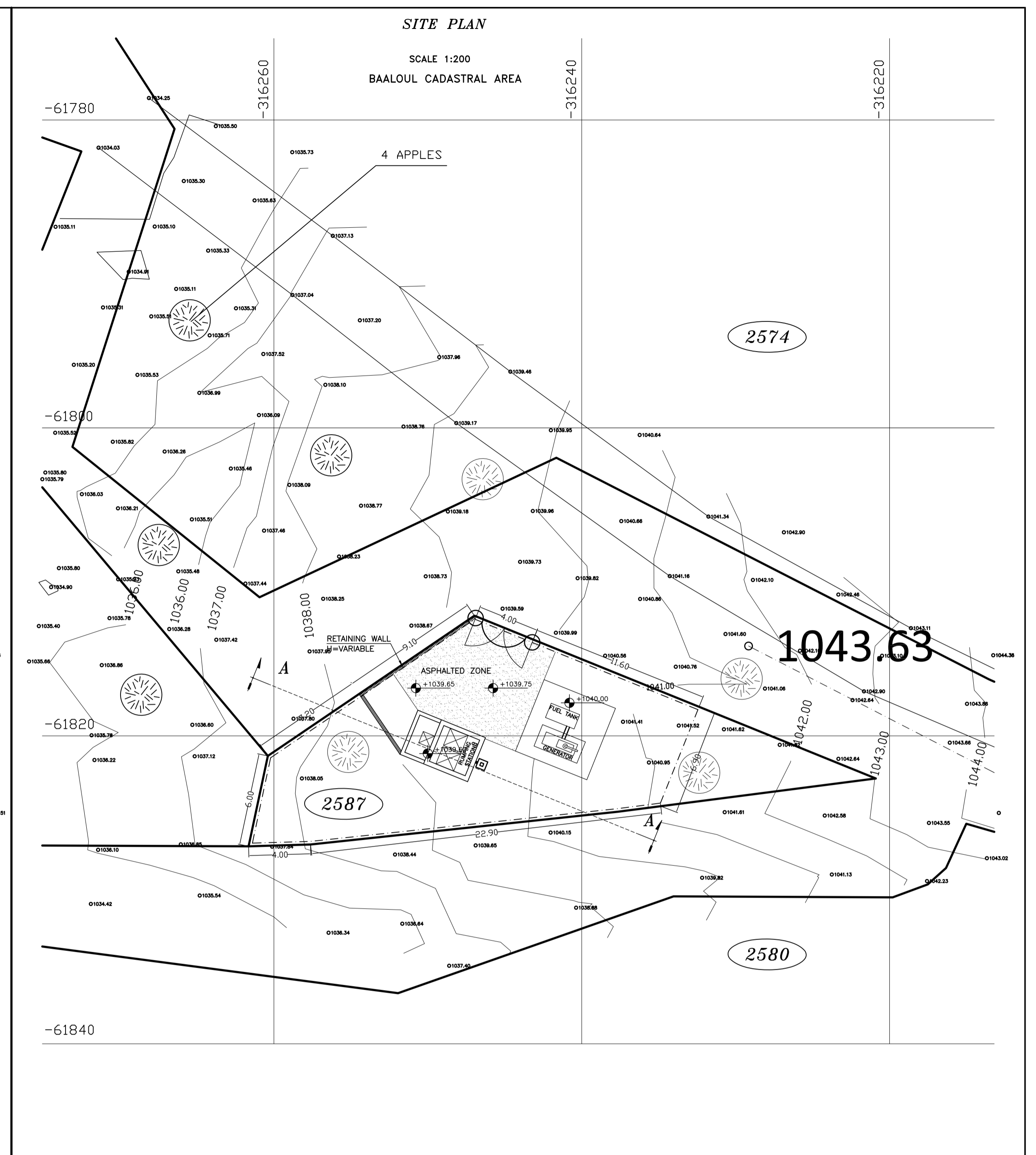
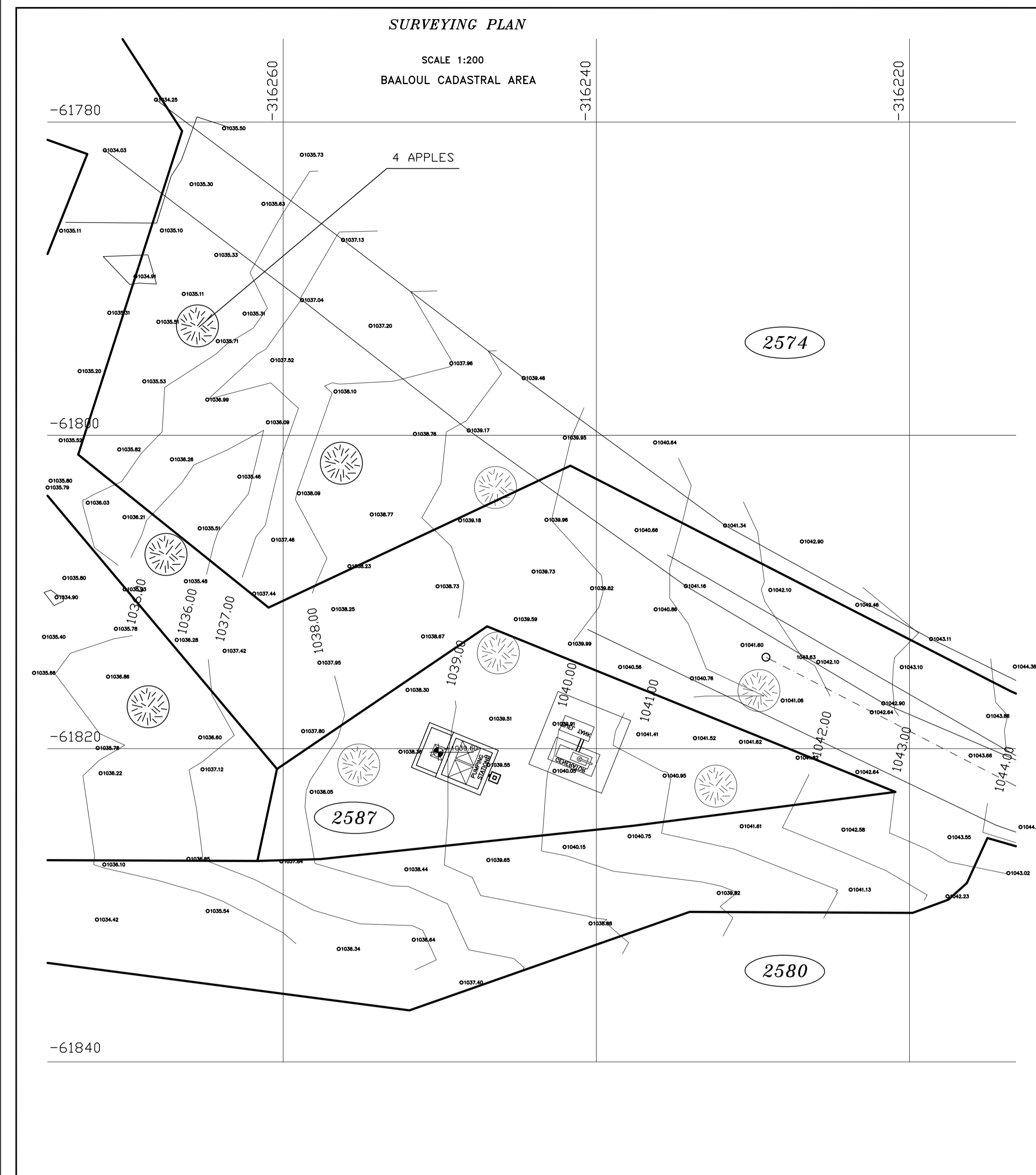
**BD BUREAU TECHNIQUE POUR LE DEVELOPEMENT**  
 JALL ED DIB - HAJAL Bldg TEL:(04) 712157 / 712158  
 P.O.BOX:70492 - ANTELIAS FAX: (04) 712159

CONSTRUCTION OF ADDITIONAL SEWER LINES AND SEWAGE PUMPING STATIONS IN BAALLOUL AND EL QARAAOUN - WEST BEQAA CAZA

BAALLOUL PUMPING STATION (P.S. 1) SURVEYING PLAN SITE PLAN SECTION A-A RETAINING WALL

FILE	DESIGNED BY	DRAWN BY	CHECKED BY
462-06PS-01C01	W. SEIFEDDINE	W. SEIFEDDINE	W. SEIFEDDINE

DATE	SCALE	SHEET No.	DRAWING No.
DECEMBER 2016	1:200 - 1:50	1/4	462-06PS-01C01



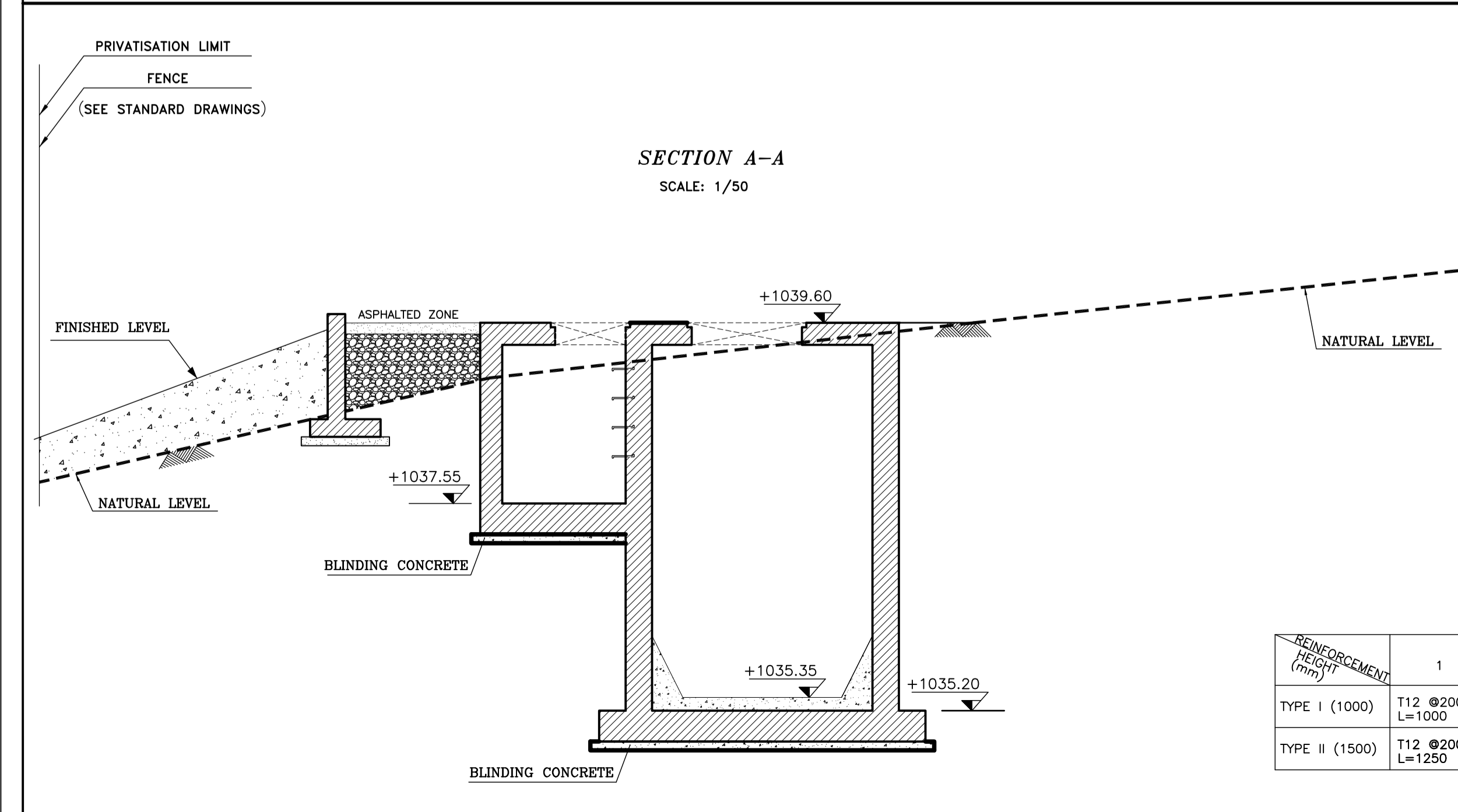
**NOTES:**

- GROUND LEVEL OF PUMPING STATION BUILDING = +1039.60m
- DO NOT SCALE FROM THIS DRAWING
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
- ALL LEVELS ARE IN M UNLESS OTHERWISE SPECIFIED

**TOPOGRAPHICAL LEGEND**

	CULVERT/BRIDGE		RETAINING WALL
	SPRING		RAILWAY
	WELL		CHANNEL
	DECIDUOUS/PINE TREE		TERRACE
	ROCKS		FENCE
	BUSHES		STREAM/RIVER
	MANHOLE SEWER		PYLON
	MANHOLE WATER		ELECTRIC SUB STATION
	MANHOLE TELEPHONE		ELECTRIC POLE/TELEGRAPH POLE
	MANHOLE NOT IDENTIFIED		OVERGROUND WATER PIPE
	LIGHTING POLE		UNDERGROUND WATER PIPE
	FOUNDATION/BUILDING UNDER CONSTRUCTION		SPOT HEIGHT
	ROAD		TRAVERSING STATION
	TRACK		TRIANGULATION POINT
	REFERENCE LINE		BENCH MARK
	SIDE WALK		LOT No
			LOT LIMIT
			CIRCUMSCRIPTION BOUNDARY
			EXPROPRIATION LIMIT

Rev.	Date	Dagn	Drwn	Chk'd	App'r'd

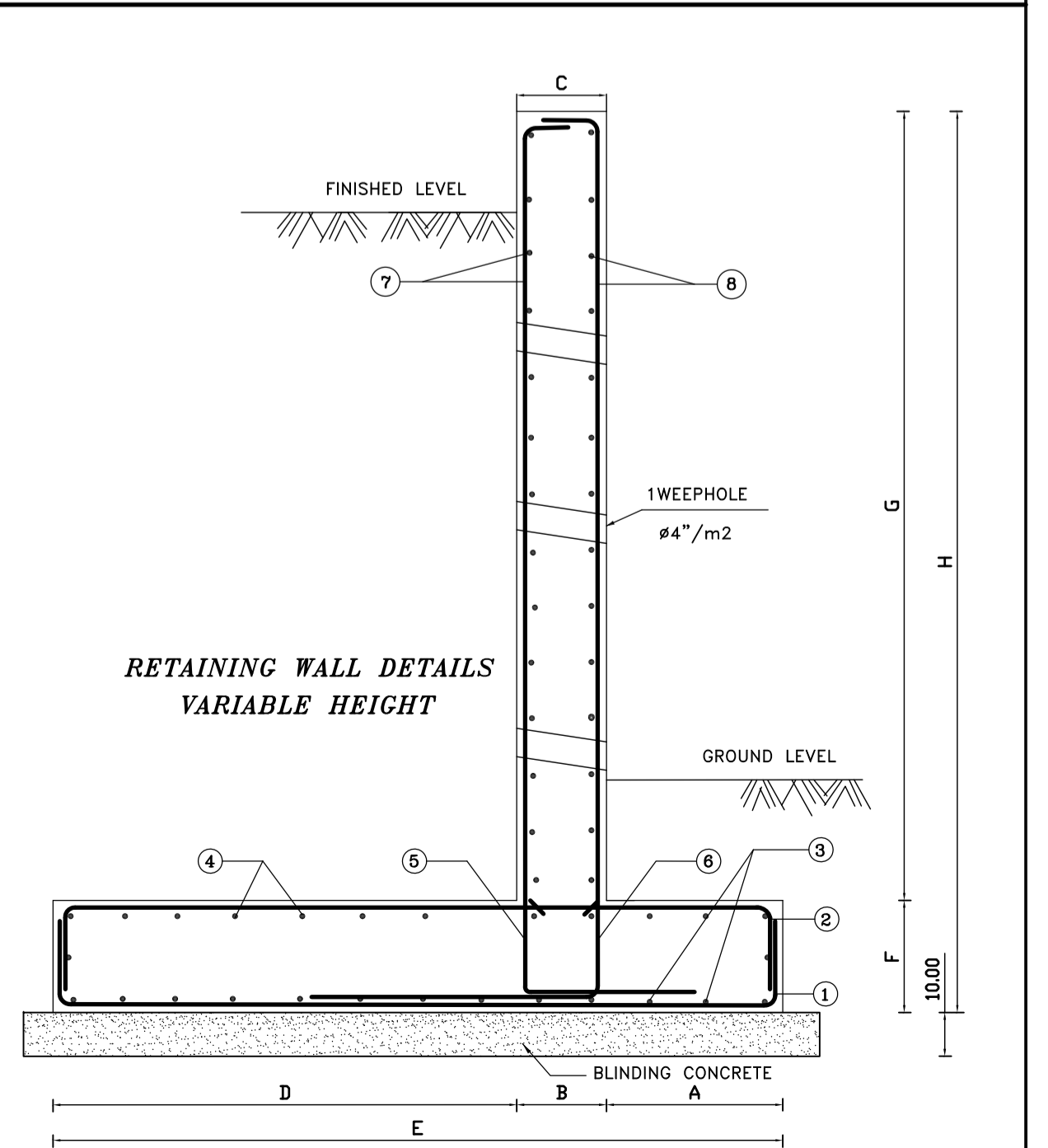


**DIMENSIONS DETAILS**

TYPE No	FORMWORK SCHEDULE							
	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
TYPE I (1000)	200	200	200	400	800	200	1000	1200
TYPE II (1500)	200	200	200	700	1100	200	1500	1700

**REINFORCEMENT DETAILS**

REINFORCEMENT HEIGHT (mm)	1	2	3	4	5	6	7	8
TYPE I (1000)	T12 @200 L=1000	T12 @200 L=1000	T12 @200 L=6000	T12 @200 L=6000	T12 @200 L=1500	T12 @200 L=1500	T12 @200 L=6000	T12 @200 L=6000
TYPE II (1500)	T12 @200 L=1250	T12 @200 L=1250	T12 @200 L=6000	T12 @200 L=6000	T12 @200 L=2000	T12 @200 L=2000	T12 @200 L=6000	T12 @200 L=6000



**REPUBLIC OF LEBANON**  
 MINISTRY OF ENERGY AND WATER  
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

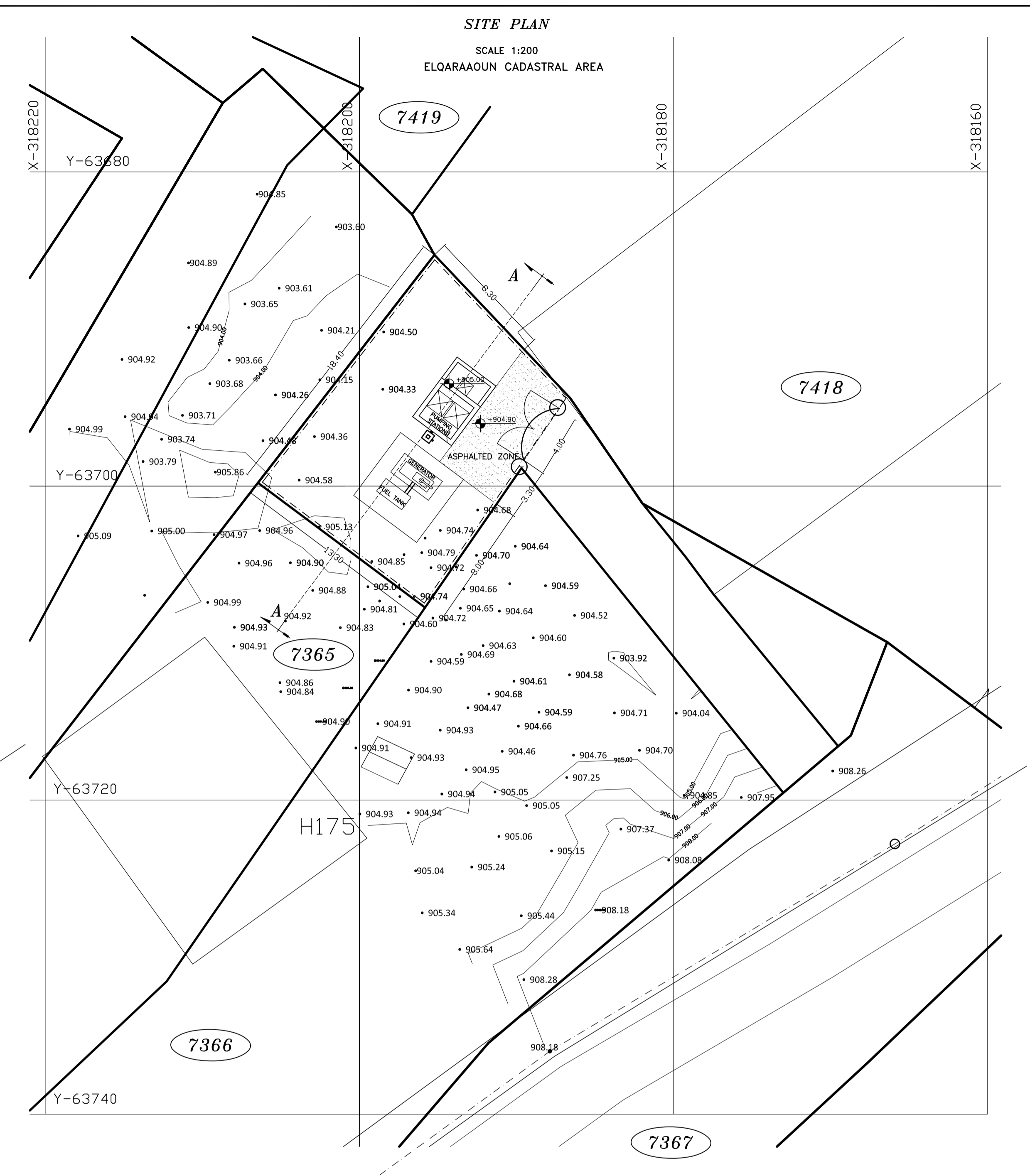
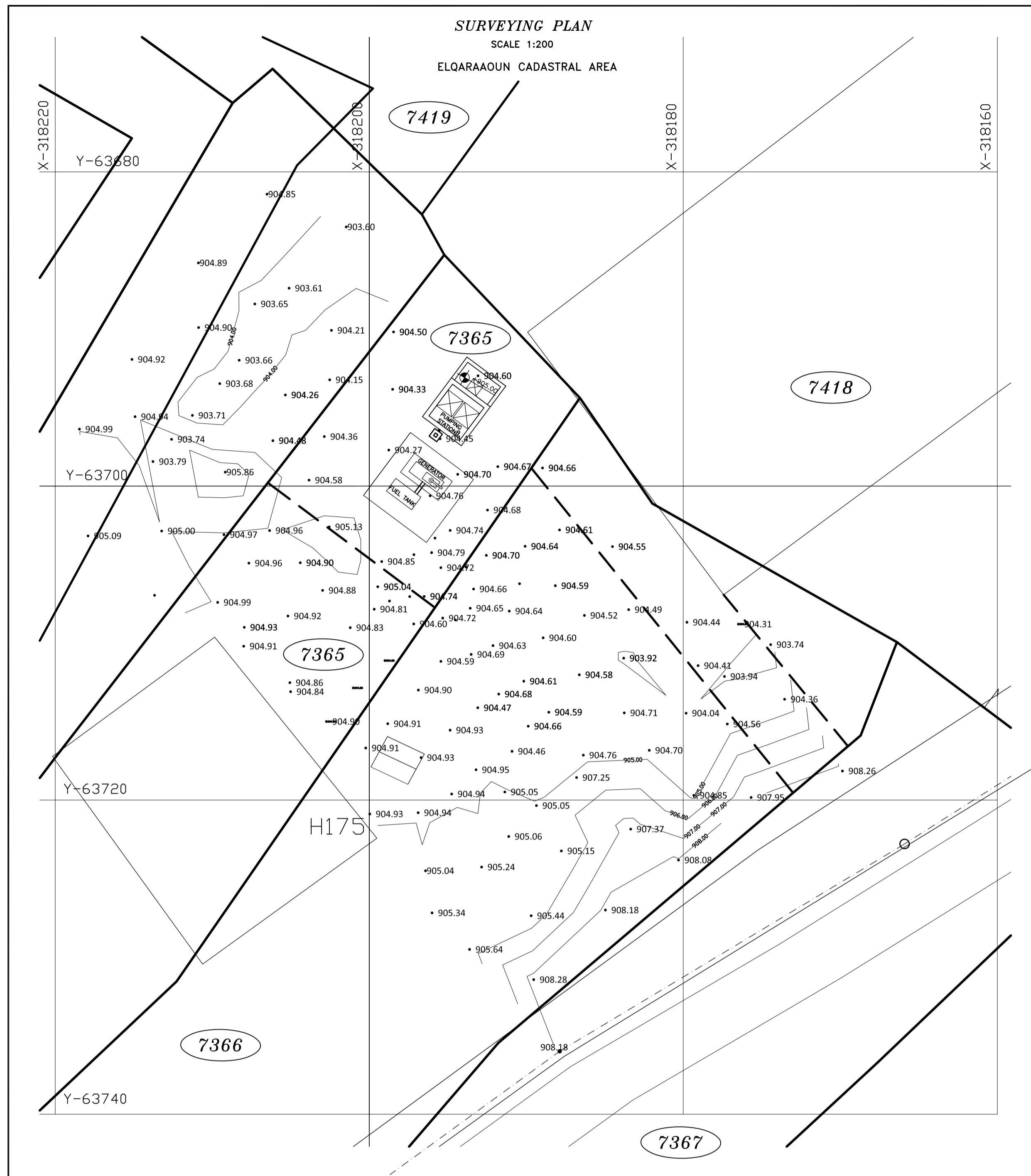
**BD BUREAU TECHNIQUE POUR LE DEVELOPEMENT**  
 JALL ED DIB - HAJAL Bldg TEL:(04) 712157 / 712158  
 P.O.BOX:70492 - ANTELIAS FAX: (04) 712159

CONSTRUCTION OF ADDITIONAL SEWER LINES AND SEWAGE PUMPING STATIONS IN BAALOU AND EL QARAAOUN - WEST BEQAA CAZA

BAALOU PUMPING STATION (P.S. 2) SURVEYING PLAN SITE PLAN SECTION A-A

FILE	DESIGNED BY	DRAWN BY	CHECKED BY
462-06PS-02C01	W. SEIFEDDINE	W. SEIFEDDINE	W. SEIFEDDINE

DATE	SCALE	SHEET No.	DRAWING No.
DECEMBER 2016	1:200 - 1:50	1/4	462-06PS-02C01



**NOTES:**

- GROUND LEVEL OF PUMPING STATION BUILDING = +905.00m
- DO NOT SCALE FROM THIS DRAWING
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
- ALL LEVELS ARE IN M UNLESS OTHERWISE SPECIFIED

**TOPOGRAPHICAL LEGEND**

	CULVERT/BRIDGE		RETAINING WALL
	SPRING		RAILWAY
	WELL		CHANNEL
	DECIDUOUS/PINE TREE		TERRACE
	ROCKS		FENCE
	BUSHES		STREAM/RIVER
	MANHOLE SEWER		PYLON
	MANHOLE WATER		ELECTRIC SUB STATION
	MANHOLE TELEPHONE		ELECTRIC POLE/TELEGRAPH POLE
	MANHOLE NOT IDENTIFIED		OVERGROUND WATER PIPE
	LIGHTING POLE		UNDERGROUND WATER PIPE
	BUILDING FOUNDATION/BUILDING UNDER CONSTRUCTION		SPOT HEIGHT
	ROAD		TRAVERSING STATION
	TRACK		TRIANGULATION POINT
	REFERENCE LINE		BENCH MARK
	SIDE WALK		LOT No
			LOT LIMIT
			CIRCUMSCRIPTION BOUNDARY
			EXPROPRIATION LIMIT

Rev.	Date	Dagn	Drwn	Chk'd	App'r'd

**REPUBLIC OF LEBANON**  
 MINISTRY OF ENERGY AND WATER  
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

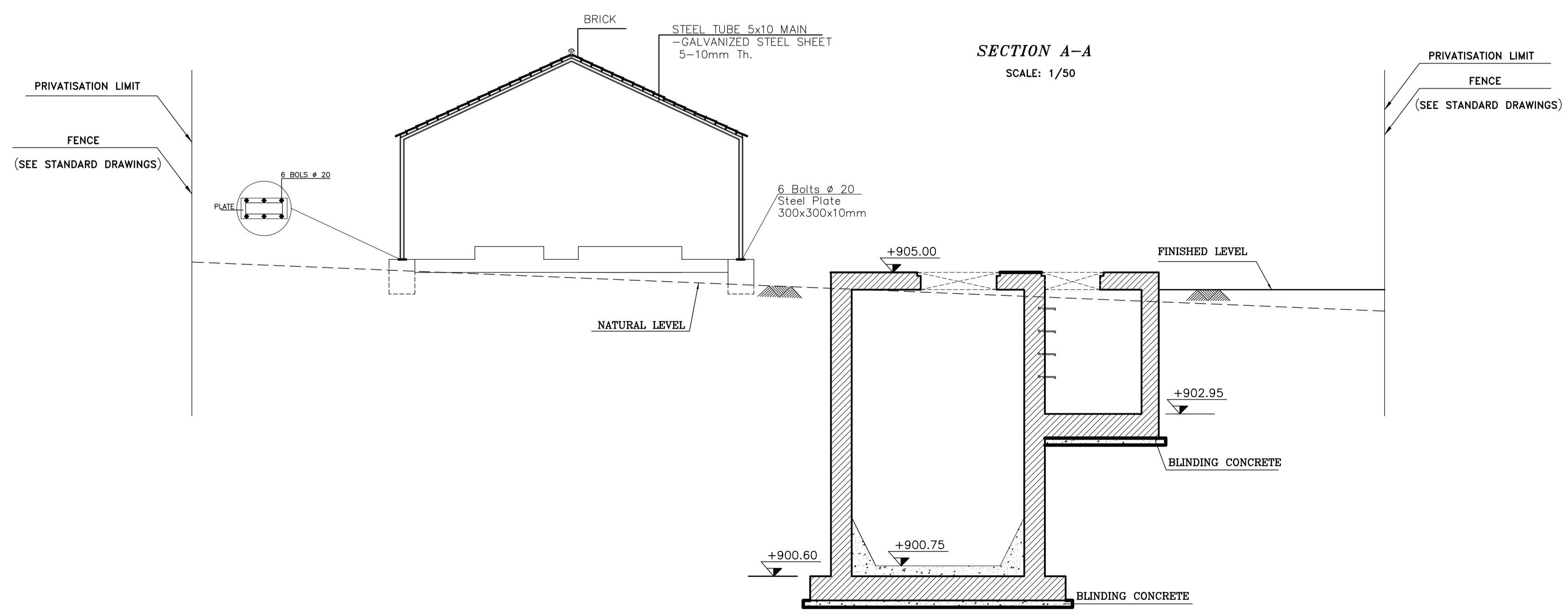
**BD BUREAU TECHNIQUE POUR LE DEVELOPPEMENT**  
 JALL ED DIB - HAJAL Bldg TEL:(04) 712157 / 712158  
 P.O.BOX:70492 - ANTELIAS FAX: (04) 712159

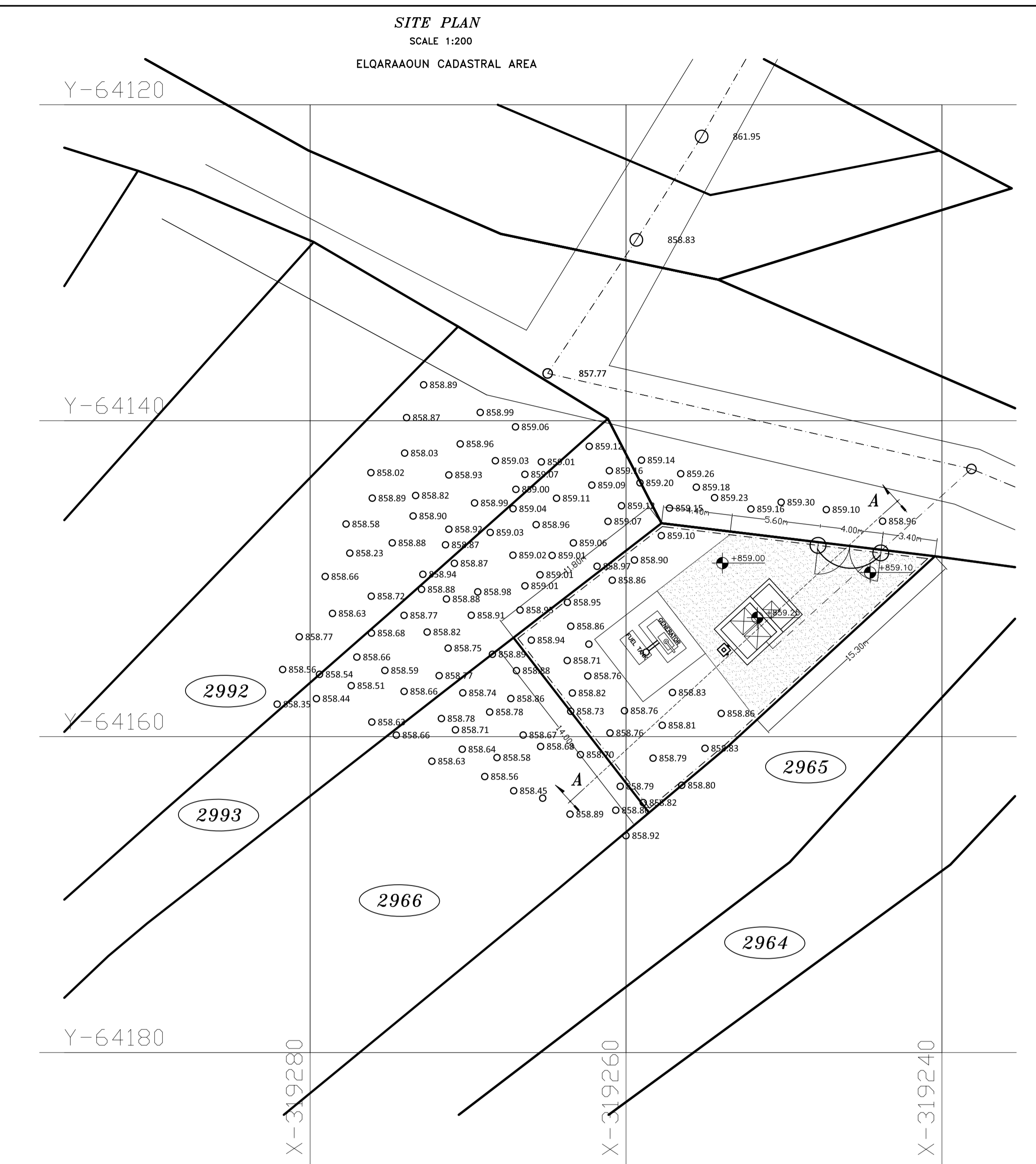
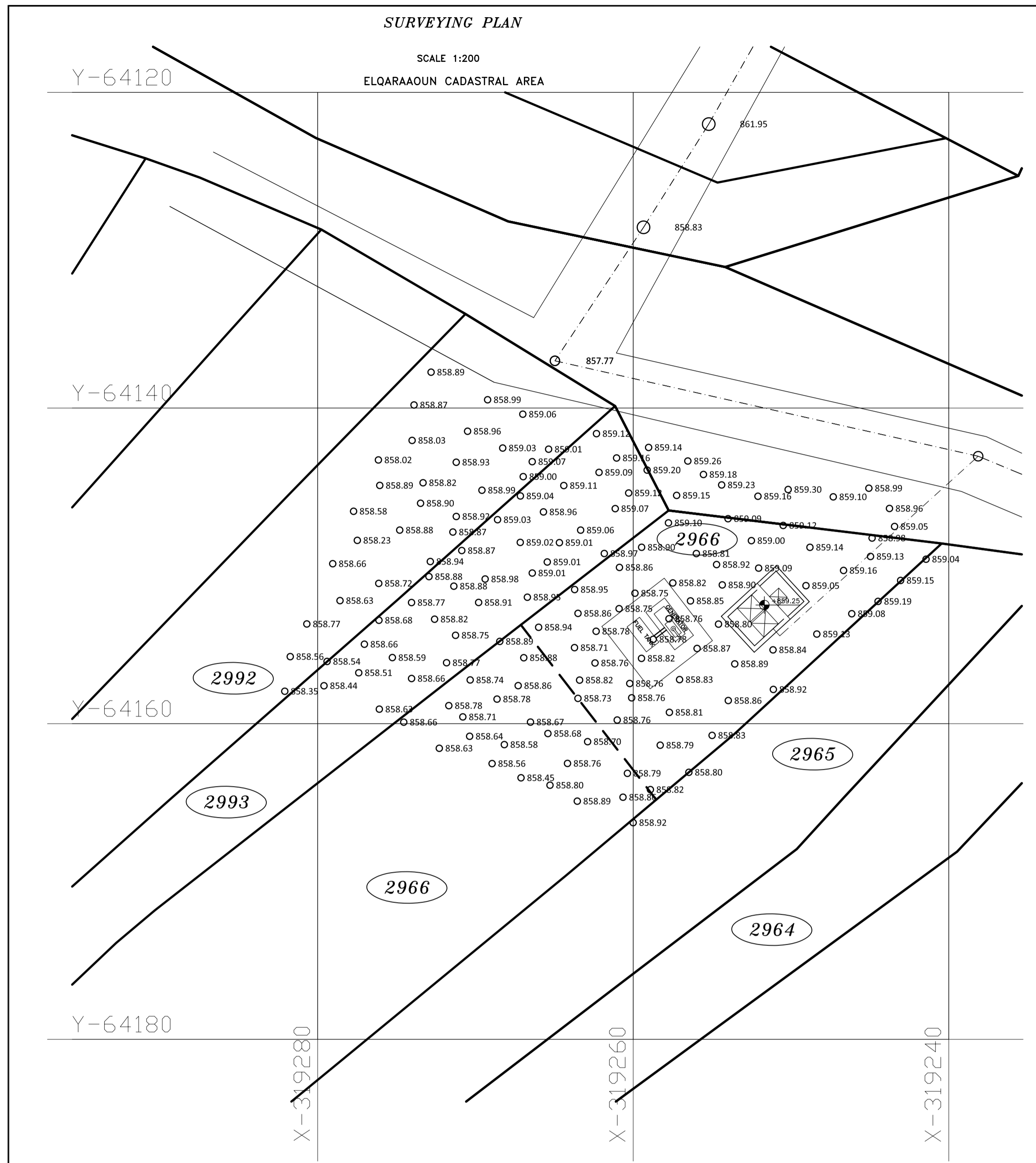
CONSTRUCTION OF ADDITIONAL SEWER LINES AND SEWAGE PUMPING STATIONS IN BAALLOUL AND EL QARAAOUN - WEST BEQAA CAZA

EL QARAAOUN PUMPING STATION (P.S. 3)	SURVEYING PLAN SITE PLAN SECTION A-A
--------------------------------------	--------------------------------------

FILE	DESIGNED BY	DRAWN BY	CHECKED BY
462-06PS-03C01	W. SEIFEDDINE	W. SEIFEDDINE	W. SEIFEDDINE

DATE	SCALE	SHEET No.	DRAWING No.
DECEMBER 2016	1:200 - 1:50	1/4	462-06PS-03C01





**NOTES:**

- GROUND LEVEL OF PUMPING STATION BUILDING = +859.25m
- DO NOT SCALE FROM THIS DRAWING
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
- ALL LEVELS ARE IN M UNLESS OTHERWISE SPECIFIED

**TOPOGRAPHICAL LEGEND**

	CULVERT/BRIDGE		RETAINING WALL
	SPRING		RAILWAY
	WELL		CHANNEL
	DECIDUOUS/PINE TREE		TERRACE
	ROCKS		STREAM/RIVER
	BUSHES		PYLON
	MANHOLE SEWER		ELECTRIC SUB STATION
	MANHOLE WATER		ELECTRIC POLE/TELEGRAPH POLE
	MANHOLE TELEPHONE		OVERGROUND WATER PIPE
	MANHOLE NOT IDENTIFIED		UNDERGROUND WATER PIPE
	LIGHTING POLE		SPOT HEIGHT
	BUILDING FOUNDATION/BUILDING UNDER CONSTRUCTION		TRAVERSING STATION
	ROAD		TRIANGULATION POINT
	TRACK		BENCH MARK
	REFERENCE LINE		LOT No
	SIDE WALK		LOT LIMIT
			CIRCUMSCRIPTION BOUNDARY
			EXPROPRIATION LIMIT

Rev.	Date	Dagn	Drwn	Chk'd	App'r'd

**REPUBLIC OF LEBANON**  
 MINISTRY OF ENERGY AND WATER  
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

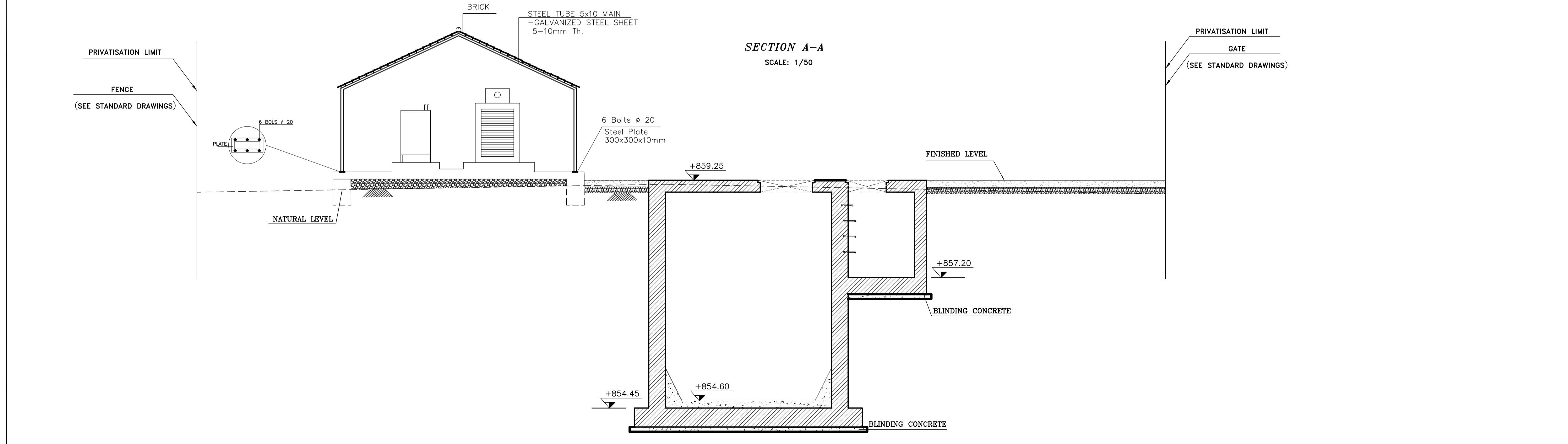
**BD BUREAU TECHNIQUE POUR LE DEVELOPPEMENT**  
 JALL ED DIB - HAJAL Bldg TEL:(04) 712157 / 712158  
 P.O.BOX:70492 - ANTELIAS FAX: (04) 712159

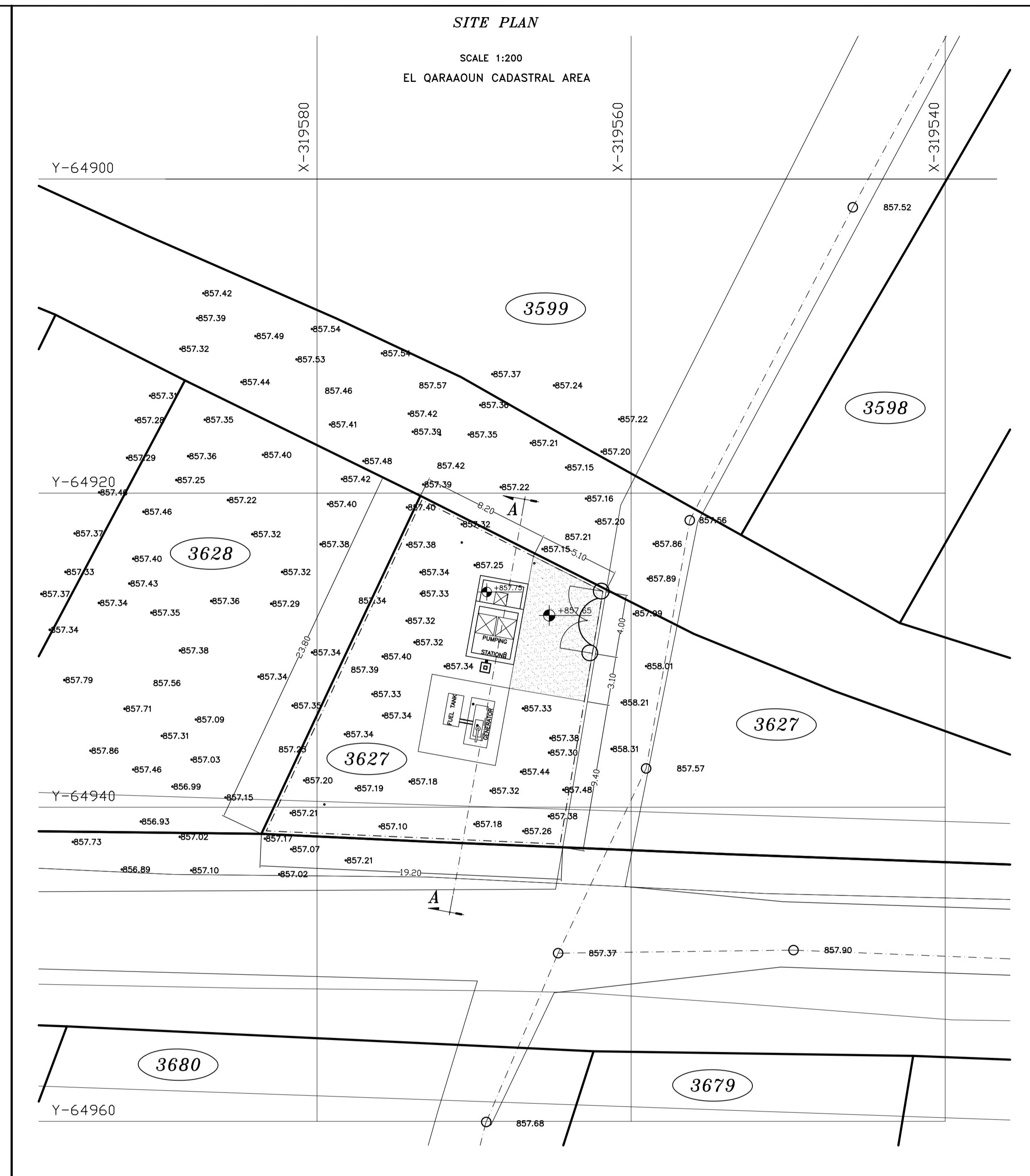
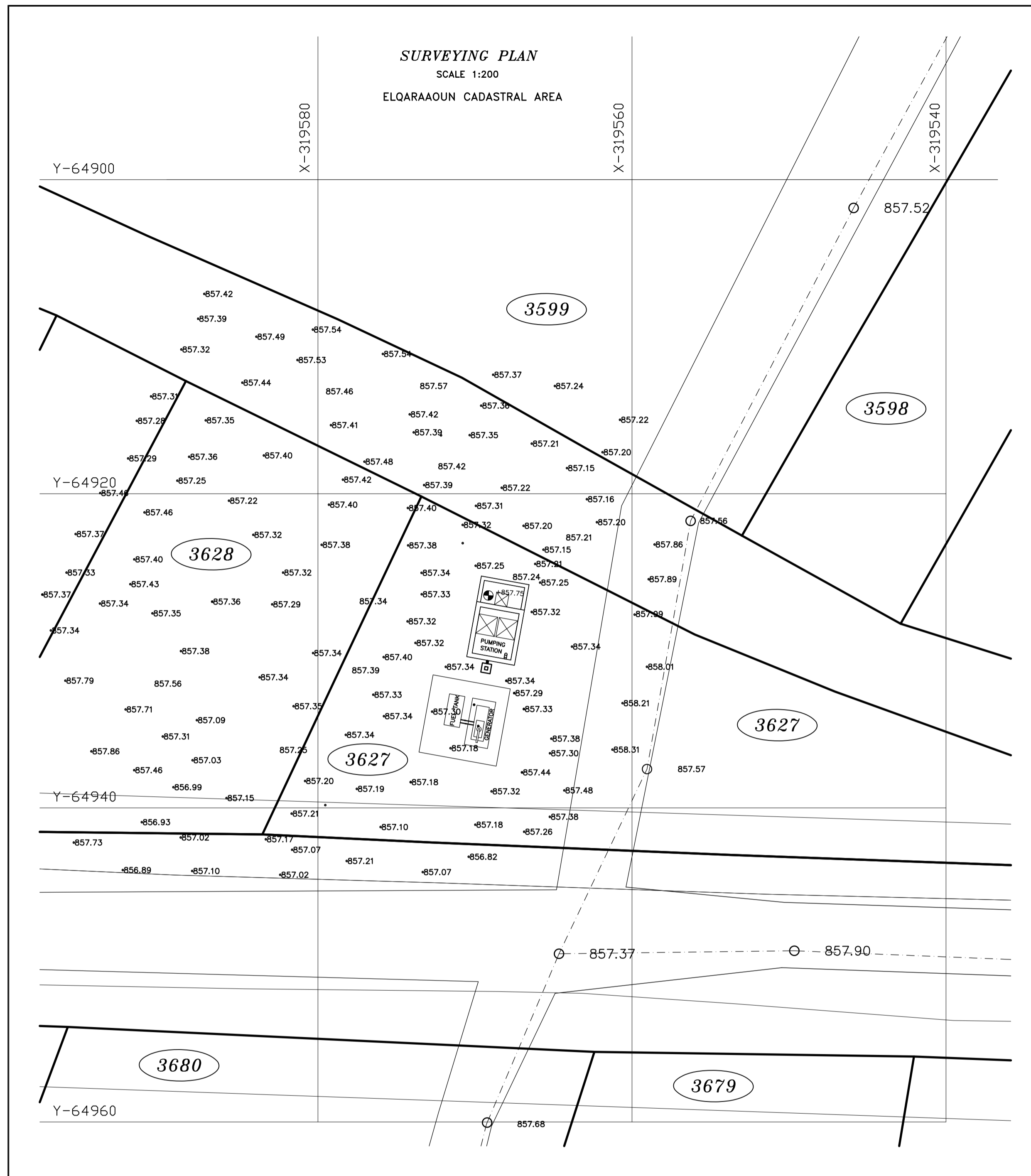
**CONSTRUCTION OF ADDITIONAL SEWER LINES AND SEWAGE PUMPING STATIONS IN BAALLOUL AND EL QARAOUN - WEST BEQAA CAZA**

EL QARAOUN PUMPING STATION (P.S. 4)	SURVEYING PLAN SITE PLAN SECTION A-A
-------------------------------------	--------------------------------------

FILE	DESIGNED BY	DRAWN BY	CHECKED BY
462-06PS-04C01	W. SEIFEDDINE	W. SEIFEDDINE	W. SEIFEDDINE

DATE	SCALE	SHEET No.	DRAWING No.
DECEMBER 2016	1:200 - 1:50	1/4	462-06PS-04C01





- NOTES:**
- GROUND LEVEL OF PUMPING STATION BUILDING = +857.75m
  - DO NOT SCALE FROM THIS DRAWING
  - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
  - ALL LEVELS ARE IN M UNLESS OTHERWISE SPECIFIED

**TOPOGRAPHICAL LEGEND**

	CULVERT/BRIDGE		RETAINING WALL
	SPRING		RAILWAY
	WELL		CHANNEL
	DECIDUOUS/PINE TREE		TERRACE
	ROCKS		STREAM/RIVER
	BUSHES		PYLON
	MANHOLE SEWER		ELECTRIC SUB STATION
	MANHOLE WATER		ELECTRIC POLE/TELEGRAPH POLE
	MANHOLE TELEPHONE		OVERGROUND WATER PIPE
	MANHOLE NOT IDENTIFIED		UNDERGROUND WATER PIPE
	LIGHTING POLE		SPOT HEIGHT
	BUILDING FOUNDATION/BUILDING UNDER CONSTRUCTION		TRAVERSING STATION
	ROAD		TRIANGULATION POINT
	TRACK		BENCH MARK
	REFERENCE LINE		ML
	SIDE WALK		LOT No
			LOT LIMIT
			CIRCUMSCRIPTION BOUNDARY
			EXPROPRIATION LIMIT

Rev.	Date	Dagn	Drwn	Chk'd	App'r

**REPUBLIC OF LEBANON**  
 MINISTRY OF ENERGY AND WATER  
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

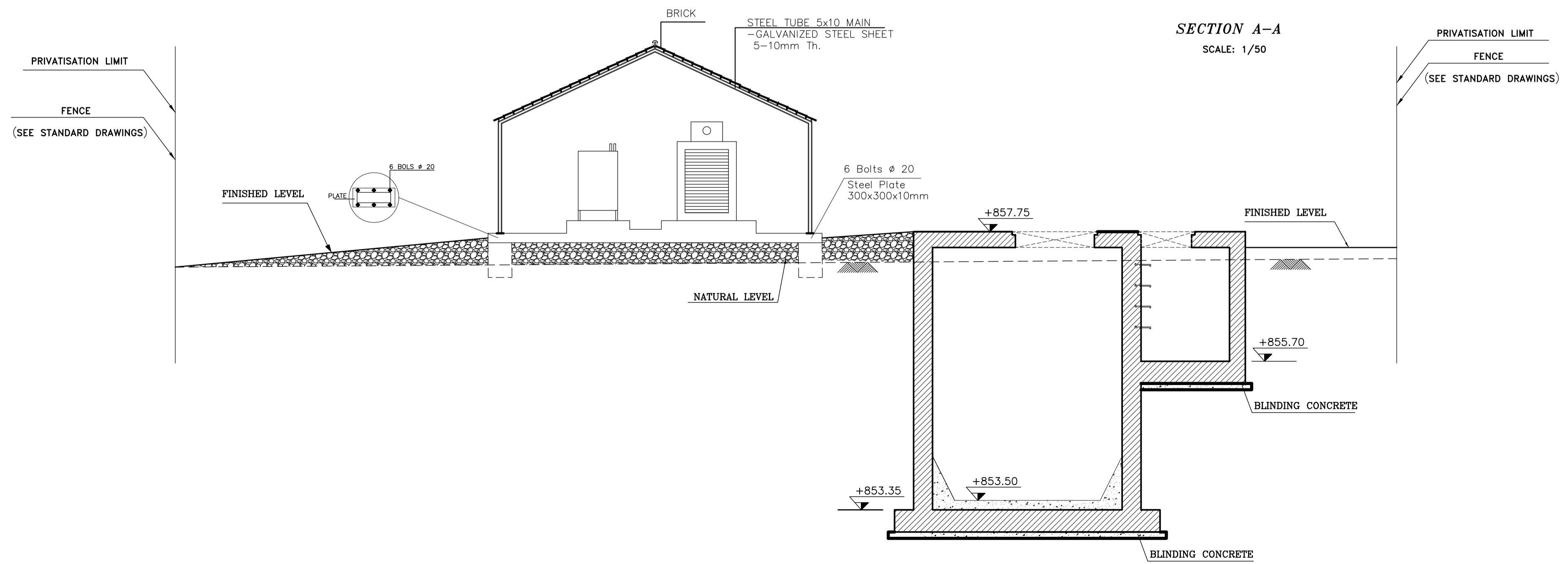
**BD BUREAU TECHNIQUE POUR LE DEVELOPPEMENT**  
 JALL ED DIB - HAJAL Bldg TEL:(04) 712157 / 712158  
 P.O.BOX:70492 - ANTELIAS FAX: (04) 712159

CONSTRUCTION OF ADDITIONAL SEWER LINES AND SEWAGE PUMPING STATIONS IN BAALLOUL AND EL QARAOUN - WEST BEQAA CAZA

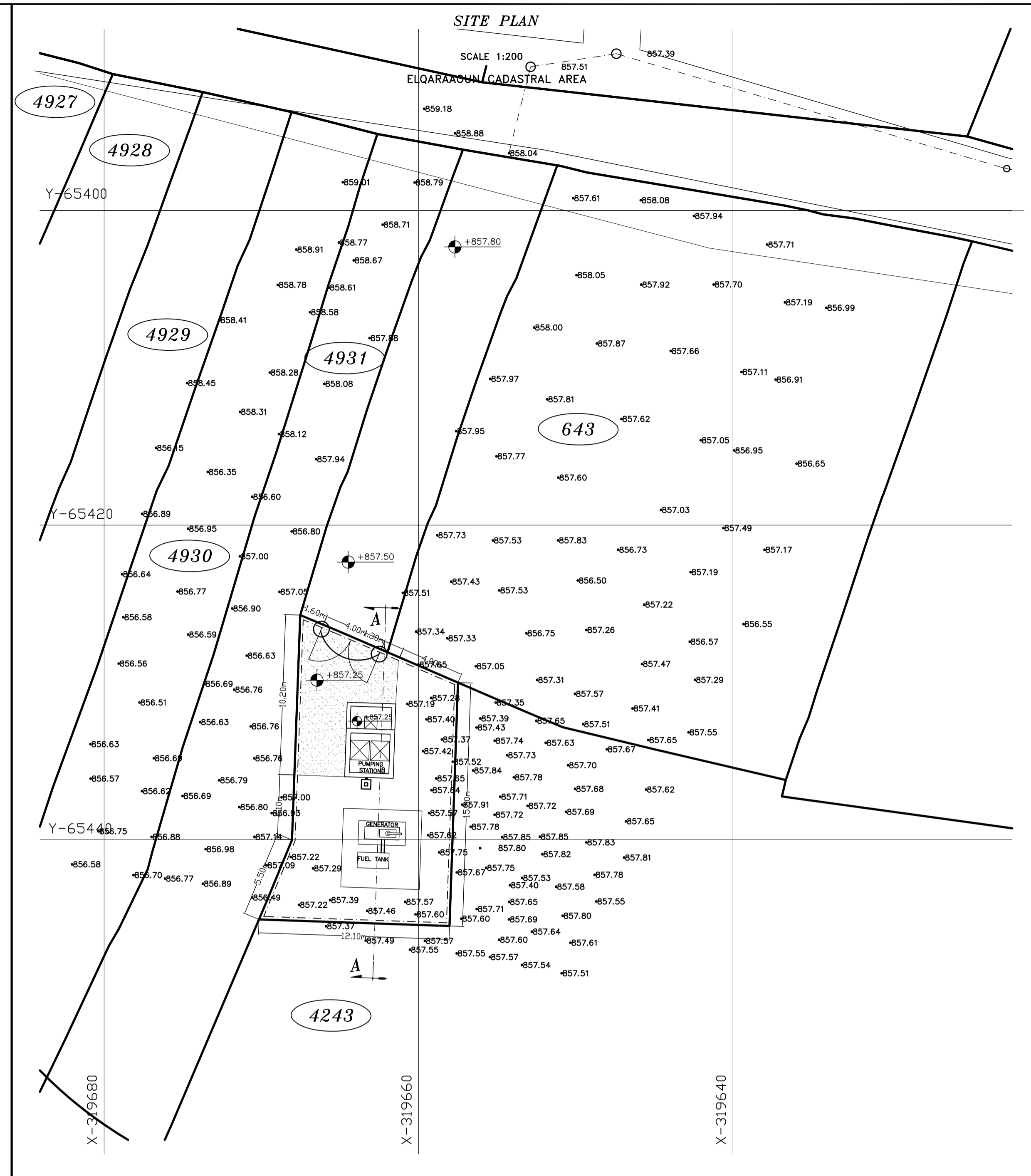
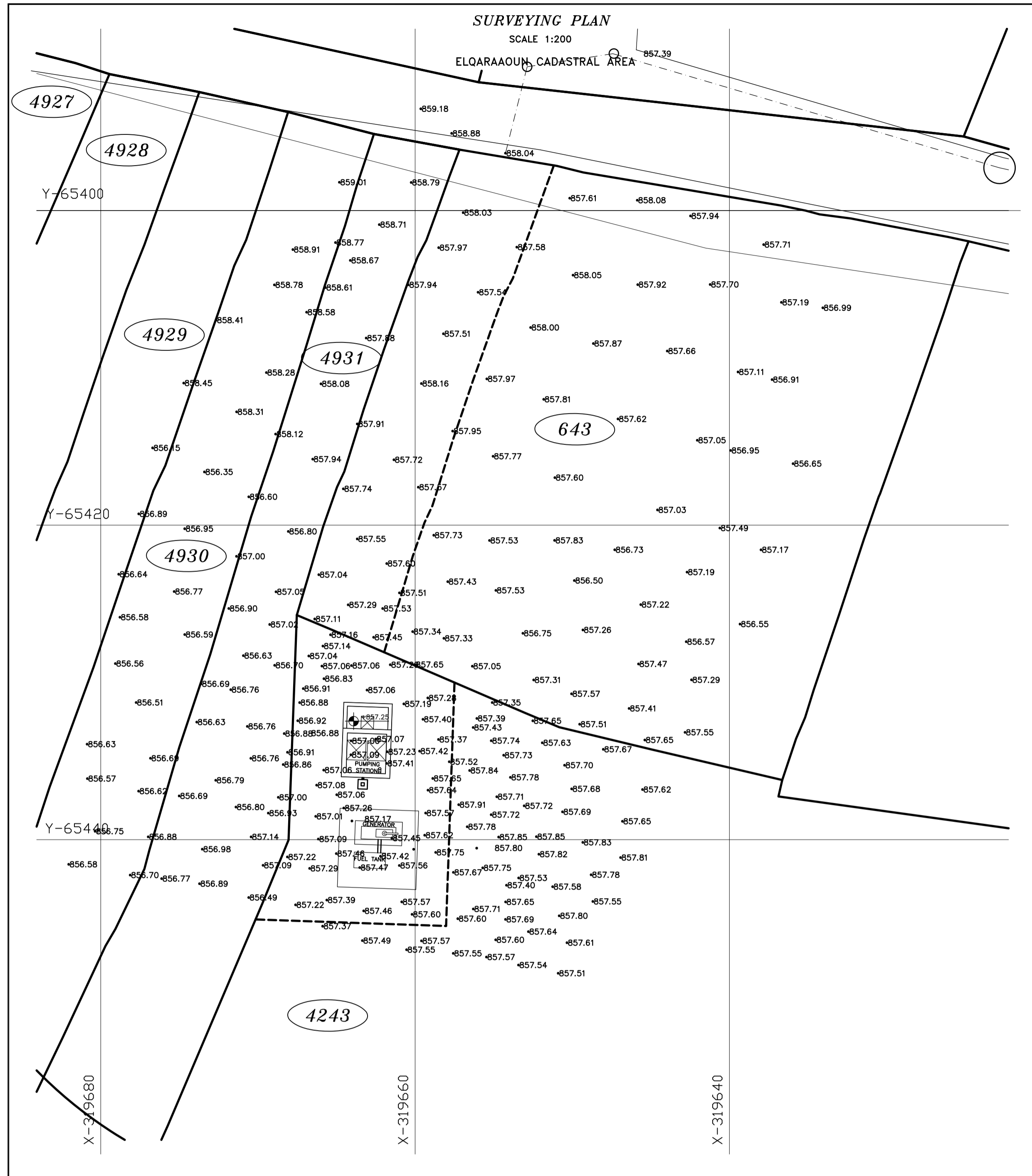
EL QARAOUN PUMPING STATION (P.S. 5) SURVEYING PLAN SITE PLAN SECTION A-A

FILE	DESIGNED BY	DRAWN BY	CHECKED BY
462-06PS-05C01	W. SEIFEDDINE	W. SEIFEDDINE	W. SEIFEDDINE

DATE	SCALE	SHEET No.	DRAWING No.
DECEMBER 2016	1:200 - 1:50	1/4	462-06PS-05C01







- NOTES:**
- GROUND LEVEL OF PUMPING STATION BUILDING = +857.25m
  - DO NOT SCALE FROM THIS DRAWING
  - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
  - ALL LEVELS ARE IN M UNLESS OTHERWISE SPECIFIED

**TOPOGRAPHICAL LEGEND**

	CULVERT/BRIDGE		RETAINING WALL
	SPRING		RAILWAY
	WELL		CHANNEL
	DECIDUOUS/PINE TREE		TERRACE
	ROCKS		STREAM/RIVER
	BUSHES		PYLON
	MANHOLE SEWER		ELECTRIC SUB STATION
	MANHOLE WATER		ELECTRIC POLE/TELEGRAPH POLE
	MANHOLE TELEPHONE		OVERGROUND WATER PIPE
	MANHOLE NOT IDENTIFIED		UNDERGROUND WATER PIPE
	LIGHTING POLE		SPOT HEIGHT
	BUILDING FOUNDATION/BUILDING UNDER CONSTRUCTION		TRAVERSING STATION
	ROAD		TRIANGULATION POINT
	TRACK		BENCH MARK
	REFERENCE LINE		LOT No
	SIDE WALK		LOT LIMIT
			CIRCUMSCRIPTION BOUNDARY
			EXPROPRIATION LIMIT

Rev.	Date	Dagn	Drwn	Chk'd	App'r

**REPUBLIC OF LEBANON**  
 MINISTRY OF ENERGY AND WATER  
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

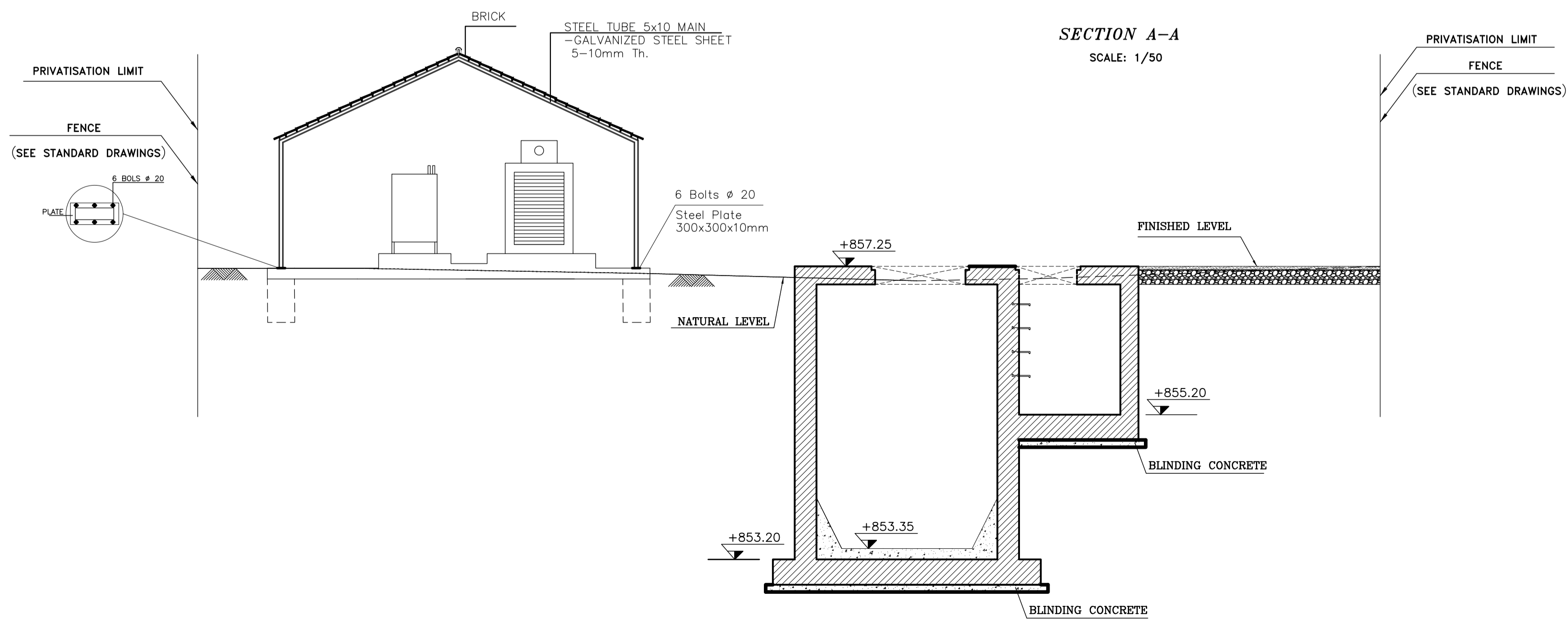
**BD BUREAU TECHNIQUE POUR LE DEVELOPPEMENT**  
 JALL ED DIB - HAJAL Bldg TEL:(04) 712157 / 712158  
 P.O.BOX:70492 - ANTELIAS FAX: (04) 712159

CONSTRUCTION OF ADDITIONAL SEWER LINES AND SEWAGE PUMPING STATIONS IN BAALLOUL AND EL QARAOUN - WEST BEQAA CAZA

EL QARAOUN PUMPING STATION (P.S. 6)	SURVEYING PLAN SITE PLAN SECTION A-A
-------------------------------------	--------------------------------------

FILE	DESIGNED BY	DRAWN BY	CHECKED BY
462-06PS-06C01	W. SEIFEDDINE	W. SEIFEDDINE	W. SEIFEDDINE

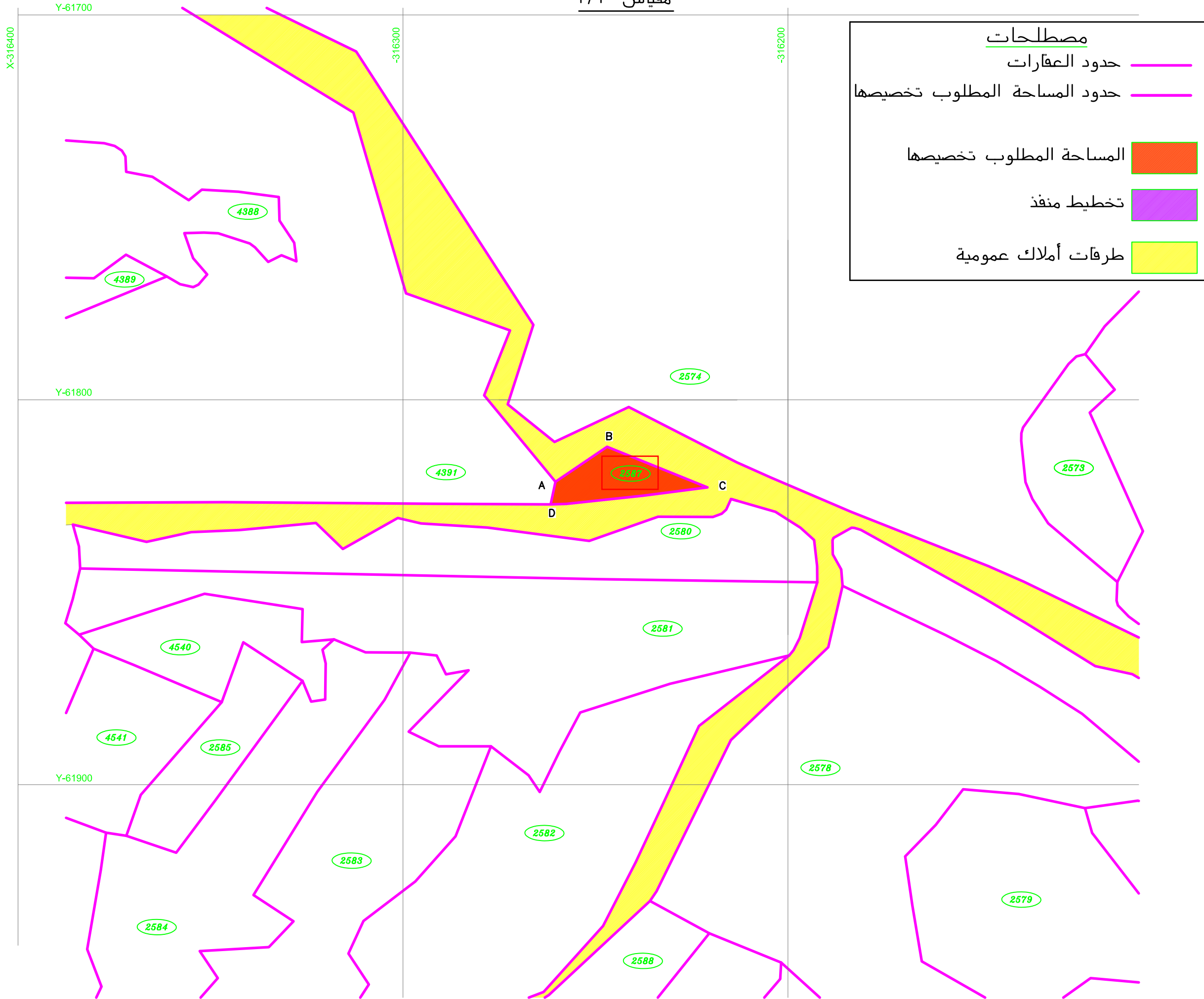
DATE	SCALE	SHEET No.	DRAWING No.
DECEMBER 2016	1:200 - 1:50	1/4	462-06PS-06C01



## **APPENDIX C-CADASTRAL MAPS OF AFFECTED PLOTS IN BAALOUL AND QARAOUN**

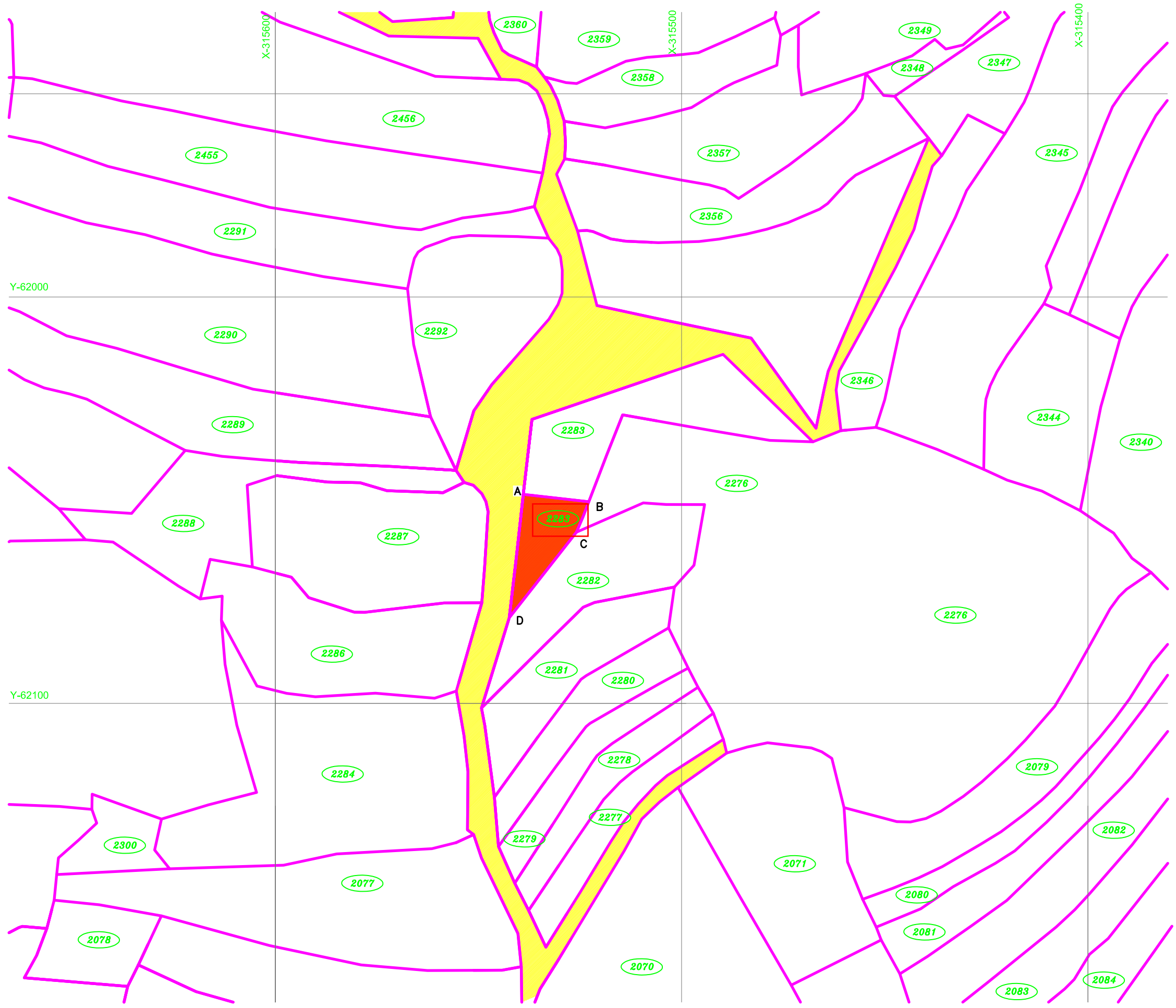
الموقع المقترح لمحطة ضخ مياه الصرف الصحي في بعلول P.S. 1

مقياس ١/١٠٠٠



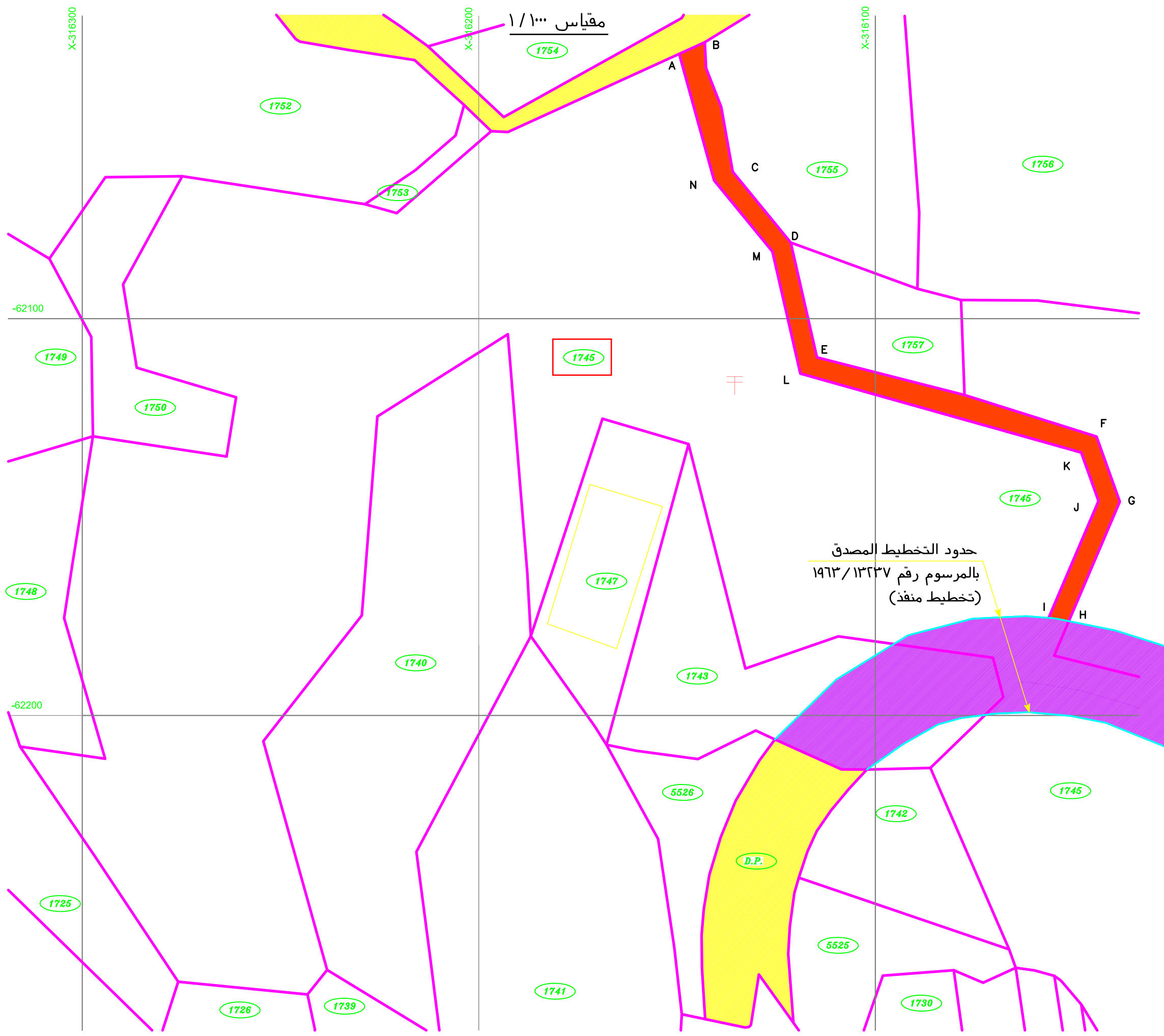
الموقع المقترح لمحطة ضخ مياه الصرف الصحي في بعلول P.S. 2

مقياس ١/١٠٠٠



الموقع المقترح لخط ضخ مياه الصرف الصحي في بعلول (Lift Line)

مقياس ١/٣٠٠



حدود التخطيط المصدق  
بالمرسوم رقم ١٣٢٣٧/١٩٦٣  
(تخطيط منفذ)

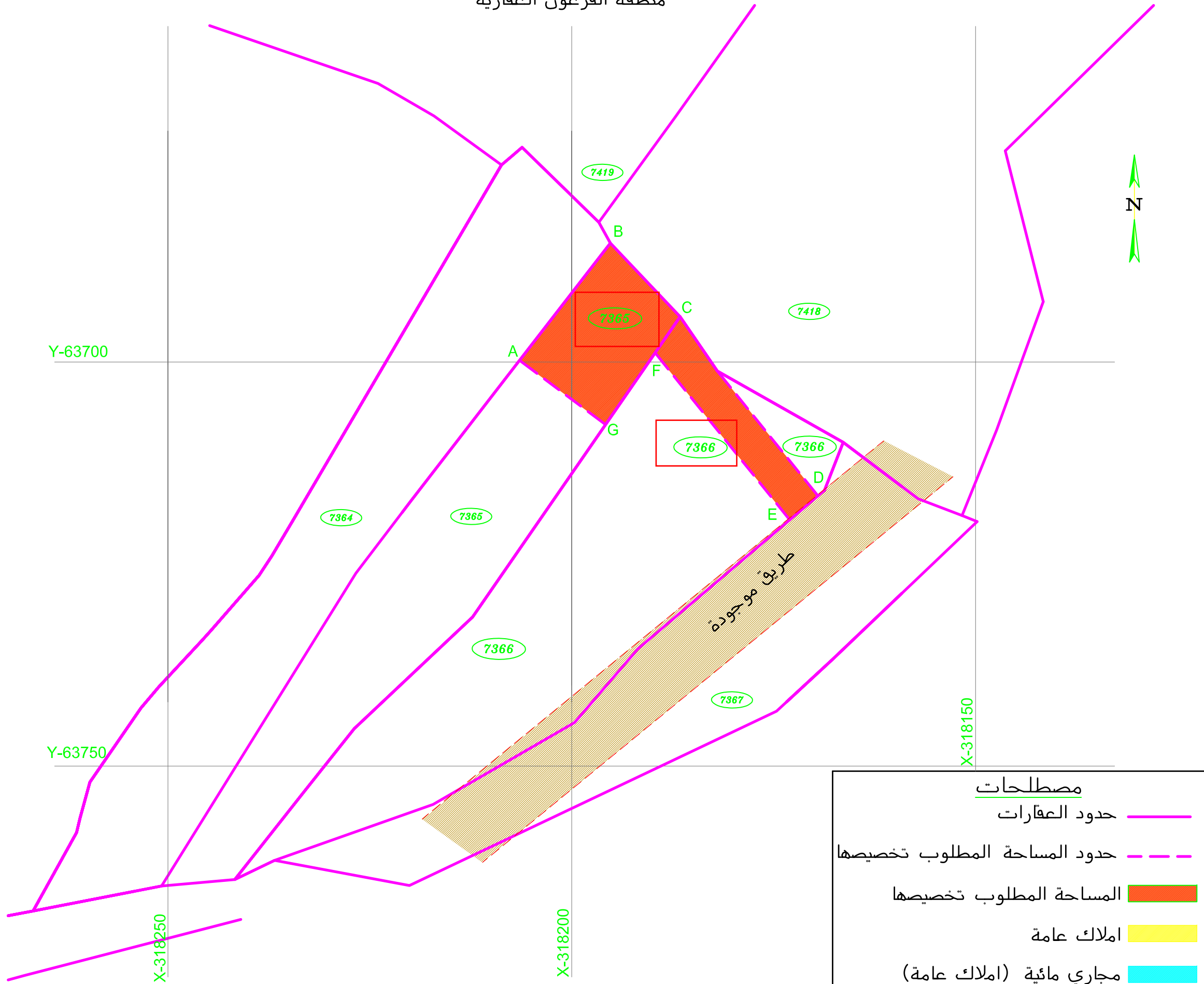
D.P.



الموقع المقترح لمحطة ضخ مياه الصرف الصحي في القرعون P.S. 1

مقياس ١/٥٠٠

منطقة القرعون العقارية



مصطلحات

حدود العقارات

حدود المساحة المطلوب تخصيصها

المساحة المطلوب تخصيصها

املاك عامة

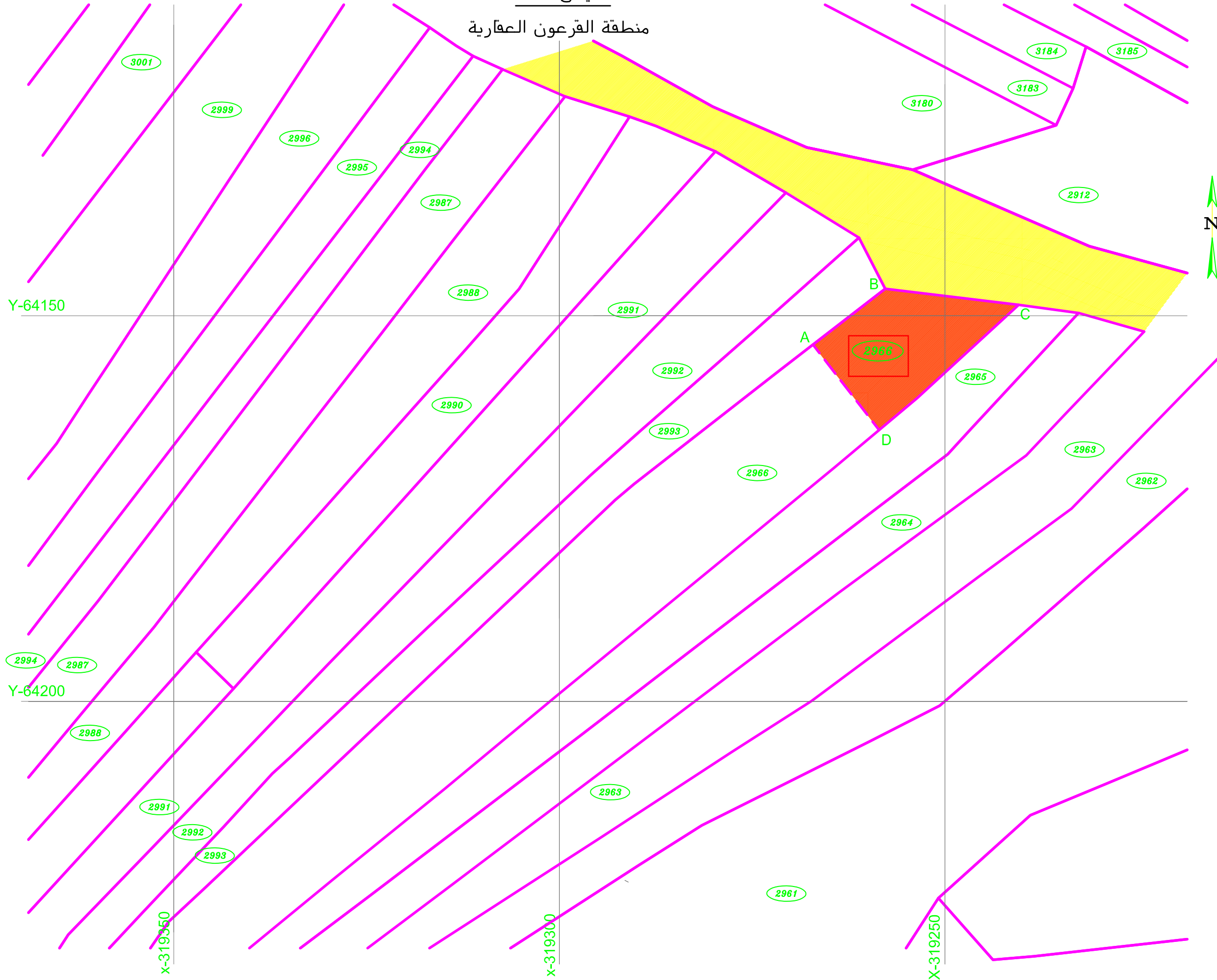
مجاري مائية (املاك عامة)

طرق موجودة

الموقع المقترح لمحطة ضخ مياه الصرف الصحي في القرعون P.S. 2

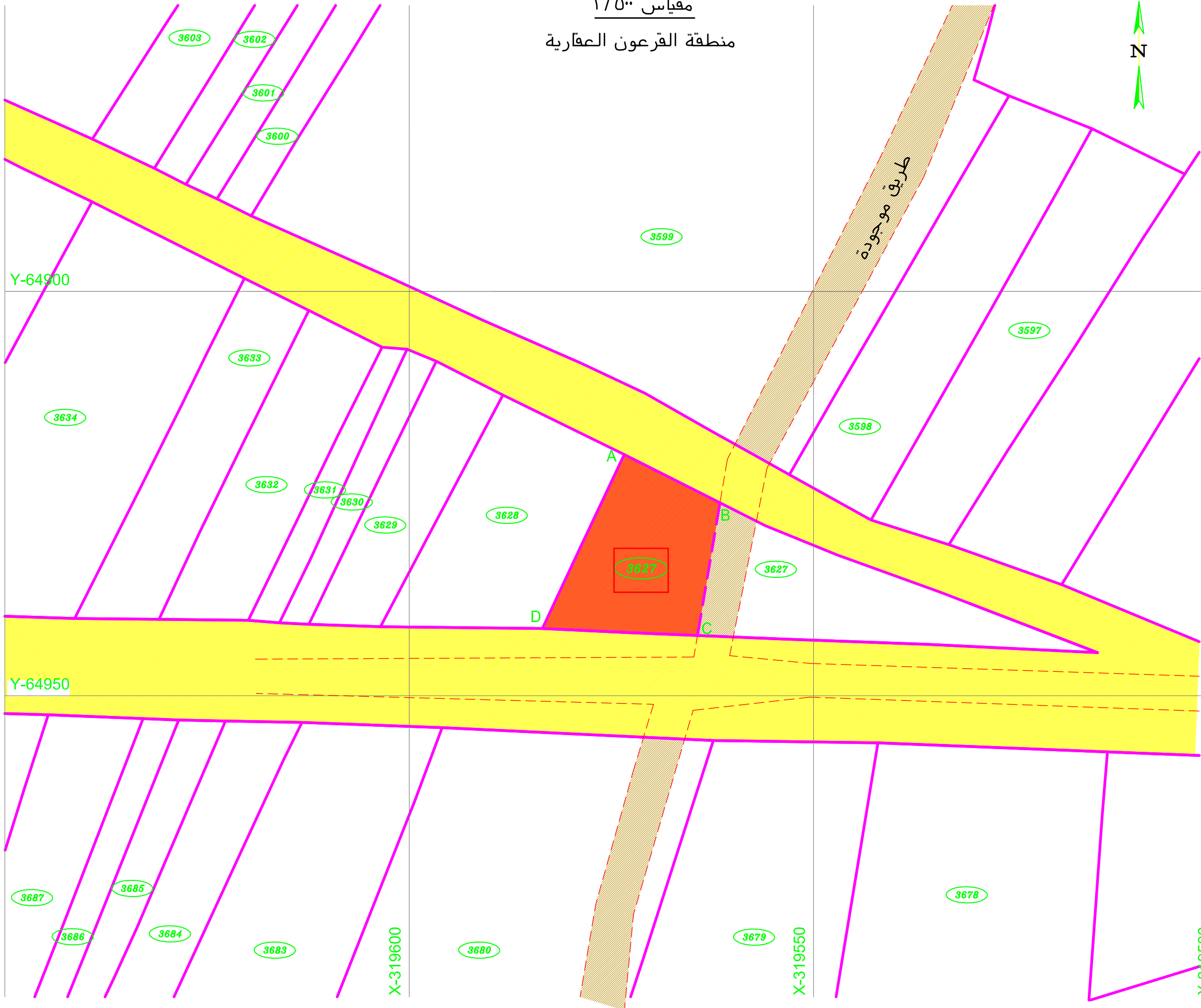
مقياس ١/٥٠٠

منطقة القرعون العقارية



الموقع المقترح لمحطة ضخ مياه الصرف الصحي في القرعون P.S. 3

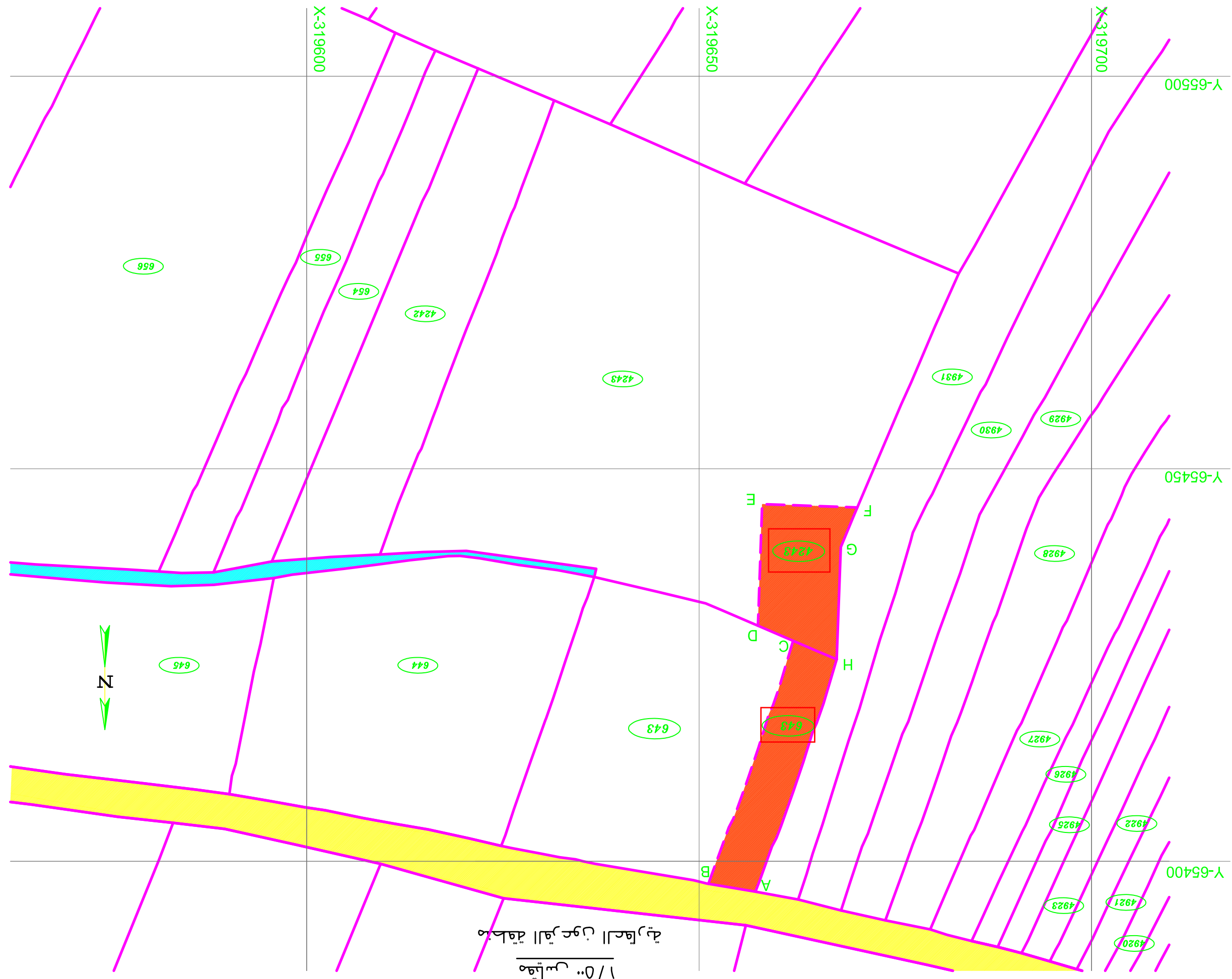
مقياس ١/٥٠٠  
منطقة القرعون العقارية





الموقع المقترح لمحطة ضخ مياه الصرف الصحي في القريون P.S. 4

مقياس 1/000  
محافظة القريون الإدارية



**APPENDIX D-CADASTRAL DOCUMENTS (إفادات عقارية) OF AFFECTED PLOTS IN BAALOUL AND QARAOUN**

رقم الطلب : ١٨٠٦

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٦-١١-١٥

بناء على الطلب المقدم من : طارق الرفاعي

و لدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

المحنة : خلة الشيخ

العقار : ٢٥٨٧ المنطقة العقارية : بعلول

مساحة العقار/القسم (م) : ٣١٥

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض بعل صخرية غير مستعملة.

دعوى-حكم-قرار : تدعي بلدية بعلول ان هذا العقار وسواه متروك مرفق ويعود حق استعمالها واستثمارها والانتفاع بها لمصلحتها ولمصلحة اهالي بعلول بملف ٢٦ ١٤١ ١٩٦٢-٠٣-٠١

## الملكية - التصرف

المرجع في السجل اليومي

الرقم التاريخ

نوع الحق خلاصة العقود

اسماء المالكين

الحصة

سهم

٢٤٠٠

اساس الملكية (ملكية، تصرف، قرار قاضي) : بموجب قرار القاضي الصادر بتاريخ ١٩٦١ / ٧ / ٢٦ . الجمهورية اللبنانية (اميري)



استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه

زحلة في ٢٠١٦-١١-١٥



رقم الطلب : ١٥٢٥

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٦-١١-٠١

بناء على الطلب المقدم من : قاسم دله

المحلة : وادي الحجلية

ولدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

مساحة العقار/القسم (م) : ١٢٧٠

العقار : ٢٢٨٣ المنطقة العقارية : بعول

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض بعل صخرية غير مستعملة.

دعوى-حكم-قرار : تدعي بلدية بعول ان هذا العقار وسواه متروك مرفق ويعود حق استعمالها واستثمارها والانتفاع بها لمصلحتها ولمصلحة اهالي بعول بملف ٢٦

المرجع في السجل اليومي

الرقم التاريخ

## الملكية - التصرف

الحصة

نوع الحق خلاصة العقود

المرجع في السجل اليومي

الرقم التاريخ

سهم

اسماء المالكين

الجمهورية اللبنانية (اميري)

اساس الملكية (ملكية، تصرف، قرار قاضي) : بموجب قرار القاضي الصادر بتاريخ ٢٦ - ٧ - ١٩٦١ .

٢٤٠٠



زحلة في ٢٠١٦-١١-٠١

استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه

رقم الطلب : ١٨٩

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٨-٠١-١٥

بناء على الطلب المقدم من : عصام الفقيه

و لدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

المحلة : البطحة

العقار : ١٧٤٥ المنطقة العقارية : بعلول

مساحة العقار/القسم (م) : ٤١٤٦١

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض بعل صخرية غير مستعملة.

تعددي / تجاوز : اعتداء من قبل العقار رقم ١٧٧٠ على الطريق العام بالبناء بما مساحته / ٥ / امتار مربعة واقامة حائط تصويبة والاستعمال بما مساحته / ٥ / امتار مربعة وعلى هذا العقار بالبناء بما مساحته / ٤ / امتار مربعة واقامة حائط تصويبة والاستعمال بما مساحته / ٤٥ / مترا مربعا وذلك بالتكليف الفني رقم ٦٨٧ تاريخ ٥ / ٦ / ١٩٩٥

نوع التعددي : تعددي من عقار على عقار آخر.

المعددي: - ١٧٧٠

المعددي عليه: - ١٧٤٥

نوع التعددي : تعددي من عقار على أملاك دولة عامة.

المعددي: -

المعددي عليه: -

١ - حق إنتفاع او إرتفاق : مرتفق بحق المرور للعقارات رقم ١٧٤١ و ١٧٤٢ و ١٧٤٣ و ١٧٤٧ و ١٧٤٨ و ١٧٤٩ و ١٧٥٠.

نوع الانتفاع او الارتفاق: مرور

العقار(ات) المنتفع(ة): - ١٧٤٢ - ١٧٥٠ - ١٧٤٨ - ١٧٤١ - ١٧٤٣ - ١٧٤٧ - ١٧٤٩

العقار(ات) المرتفق(ة): - ١٧٤٥

دعوى-حكم-قرار : تدعي بلدية بعلول ان هذا العقار وسواه متروكة مرفقة ويعود حق استعمالها واستثمارها والانتفاع بها لمصلحتها ولمصلحة اهالي بعلول بملف ١٦

١٩٦٢-٠٣-٠١ ١٤٢

قييد احتياطي : ورد طلب من وزارة المالية بالرقم ١٣١٧٦ تاريخ ١٠-٧-٢٠١٧ بتكليف دائرة المساحة اظهر حدود هذا العقار مسجلة تحت رقم ٤٣٨٦/٢٠١٧ سجل احتياطيًا ونظم تكليف وارسل لدائرة المساحة والنسخة الثانية بملفه.

٢٠١٧-٠٧-٢٩ ١٣٠٩

الحصة

## الملكية - التصرف

المرجع في السجل اليومي

الرقم التاريخ

سهم

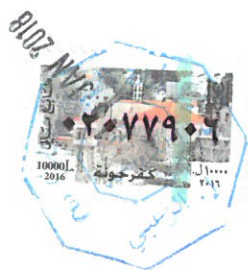
اسماء المالكين

نوع الحق خلاصة العقود

٢٤٠٠

الجمهورية اللبنانية (اميري)

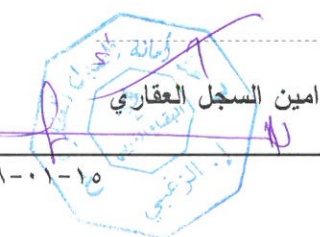
اساس الملكية (ملكية، تصرف، قرار قاضي) : التصرف: بموجب قرار القاضي العقاري المدرج على الرقم ١٣٨.



زحلة في ٢٠١٨-٠١-١٥

استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه



رقم الطلب : ٢٧٧٤

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٦-١١-١٤

بناء على الطلب المقدم من : طارق الرفاعي

و لدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

المحلة : قلاع لودي

العقار : ٧٣٦٦ المنطقة العقارية : القرعون

مساحة العقار/القسم (م) : ١٤٦٥

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض سليخ بعل تزرع حبوب  
دونت المساحة بتاريخ ١٦ نيسان ٢٠٠٢.  
نوع العقار : أرض غير مبنية.

## الملكية - التصرف

المرجع في السجل اليومي

الرقم التاريخ

الحصة

اسماء المالكين

نوع الحق خلاصة العقود

سهم

٢٤٠٠

الدولة اللبنانية - المصلحة الوطنية لنهر الليطاني (اميري)

اخرى (تصحيح، حق مختلف) ووضع يد : تسجيل: بالمرسوم ٤٤٣٥ تاريخ ٣٠ / ١١ / ٩٧٢ وقرار وضع  
اليد رقم ٢٣ / ١ / تاريخ ٢٢ / ٥ / ٩٧٣ بملف ١٨١٥.

١٩٧٣-٠٧-٠٤

٤٣٧



زحلة في ٢٠١٦-١١-١٤

استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه

رقم الطلب : ٢٥٠٩

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٦-١١-٠١

بناء على الطلب المقدم من : قاسم دله

و لدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

المحلة : قلاع لودي

العقار : ٧٣٦٥ المنطقة العقارية : القرعون

مساحة العقار/القسم (م) : ١١١٢

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض سليخ بعل تزرع حبوب  
دونت المساحة بتاريخ ١٦ نيسان ٢٠٠٢.  
نوع العقار : أرض غير مبنية.

المرجع في السجل اليومي

## الملكية - التصرف

الحصة

الرقم التاريخ

سهم

اسماء المالكين

نوع الحق خلاصة العقود

٢٤٠٠

الدولة اللبنانية - المصلحة الوطنية لنهر الليطاني (اميري)

اخرى (تصحيح، حق مختلف) ووضع يد : تسجيل: بالمرسوم ٤٤٣٥ تاريخ ٣٠ / ١١ / ٩٧٢ وقرار وضع  
اليد رقم ١ / ٢٣ تاريخ ٢٢ / ٥ / ٩٧٣ بملف ١٨١٥.

١٩٧٣-٠٧-٠٤

٤٣٧

استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه

زحلة في ٢٠١٦-١١-٠١

أمين السجل العقاري

رقم الطلب : ٢٥٠٩

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٦-١١-٠١

بناء على الطلب المقدم من : قاسم دله

و لدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

المحلة : الزراقية

العقار : ٤٢٤٣ المنطقة العقارية : القرعون

مساحة العقار/القسم (م) : ٣٠٤٠

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض بعل سليخ تزرع حبوب  
دونت المساحة بتاريخ ٩ - نيسان ٢٠٠٢.  
نوع العقار : ارض غير مبنية.

دفعت رسوم الانتقال بالعقد بملف ٤١٤

١٩٦٩-٠٢-١٨ ٧٧

## الملكية - التصرف

المرجع في السجل اليومي

الرقم التاريخ

نوع الحق خلاصة العقود

اسماء المالكين

الحصة

سهم

٢٤٠٠

الدولة اللبنانية - المصلحة الوطنية لنهر الليطاني (اميري)

استملاك ووضع يد : استملاك بالمرسوم ١٦١٢٩ وقرار وضع اليد رقم ١ / ١٤٣ تاريخ ١٥ / ٥ / ٩٦٦ بملف ٦٤٣.

١٩٦٦-٠٦-١٨ ٦٢٣



زحلة في ٢٠١٦-١١-٠١

استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه



رقم الطلب : ٢٥٠٩

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٦-١١-٠١

بناء على الطلب المقدم من : قاسم دله

و لدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

المحلة : البيضاء

العقار : ٣٦٢٧ المنطقة العقارية : القرعون

مساحة العقار/القسم (م) : ٧١٢

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض بعل سليخ تزرع حبوب  
دونت المساحة بتاريخ ٦ - نيسان ٢٠٠٢.  
نوع العقار : أرض غير مبنية.

المرجع في السجل اليومي

## الملكية - التصرف

الرقم التاريخ

الحصة

سهم

اسماء المالكين

نوع الحق خلاصة العقود

٢٤٠٠

الدولة اللبنانية - المصلحة الوطنية لنهر الليطاني (اميري)

استملاك ووضع يد : استملاك بالمرسوم ١٦١٢٩ وقرار وضع اليد رقم ١ / ١٠٩ / تاريخ ٢٩ / ٣ / ٩٦٦  
بملف ٣٥٩٥.

١٩٦٦-٠٥-١٨

٥١٤



استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه

زحلة في ٢٠١٦-١١-٠١

امين السجل العقاري

رقم الطلب : ٢٥٠٩

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٦-١١-٠١

بناء على الطلب المقدم من : قاسم دله

و لدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

المحلة : الحصيان

العقار : ٢٩٦٦ المنطقة العقارية : القرعون

مساحة العقار/القسم (م) : ٥٤٩٥

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض بعل سليخ تزرع حبوب  
دونت المساحة بتاريخ ٢٦ آذار ٢٠٠٢.  
نوع العقار : أرض غير مبنية.

دفعت رسوم الانتقال عن حصة امينة احمد جمعه كرام الدين بالايصال ٢٥١ / ٢٥٣ في ١١ / ١ / ٩٦٦ بملفه

المرجع في السجل اليومي

الرقم التاريخ

## الملكية - التصرف

نوع الحق خلاصة العقود

اسماء المالكين

الحصة

سهم

٢٤٠٠

الدولة اللبنانية - المصلحة الوطنية لنهر الليطاني (اميري)

استملاك ووضع يد : استملاك بالمرسوم ١٦١٢٩ وقرار وضع اليد رقم ١ / ١١٧ تاريخ ١٣ / ٤ / ٩٦٦ بملف ٢٩٥٧.

١٩٦٦-٠٥-٢٠

٥٢٠



زحلة في ٢٠١٦-١١-٠١

استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه

امين السجل العقاري

رقم الطلب : ٢٥٠٩

امانة السجل العقاري في زحلة

بتاريخ ٢٠١٦-١١-٠١

بناء على الطلب المقدم من : قاسم دله

و لدى مراجعة قيود السجل العقاري اعطيت هذه الإفادة الشاملة

المحلة : الزرقية

العقار : ٦٤٣ المنطقة العقارية : القرعون

مساحة العقار/القسم (م) : ١١٣٤

النوع الشرعي للعقار : اميري

## محتويات و وصف العقار و الحقوق العينية و الوقوعات

المرجع في السجل اليومي

الرقم التاريخ

وصف العقار : ارض بعل قسم مغروس كرم عنب وقسم سليخ ضمنه ثلاث شجرات لوز  
دونت المساحة بتاريخ ٢٢ / ٣ / ٢٠٠٢ .  
نوع العقار : أرض غير مبنية.

المرجع في السجل اليومي

## الملكية - التصرف

الرقم التاريخ

الرقم التاريخ

٦٢٣ ١٩٦٦-٠٦-١٨

٦٢٣ ١٩٦٦-٠٦-١٨

نوع الحق خلاصة العقود

استملاك ووضع يد : استملاك بالمرسوم ١٦١٢٩ وقرار وضع اليد رقم ١٤٣ / ١ / تاريخ ١٧ / ٥ / ٩٦٦ بملفه.

اسماء المالكين

الدولة اللبنانية - المصلحة الوطنية لنهر الليطاني (اميري)

الحصة

سهم

٢٤٠٠



استوفي الرسم بموجب لصق تمغة على الطلب

هذا ما تم تسجيله على الصحيفة العقارية حتى تاريخه أعلاه

زحلة في ٢٠١٦-١١-٠١

