

3. PROJECT AREA ENVIRONMENTAL MANAGEMENT

The given building has 5 floors and consists of 20 apartment, and 4 people live in each apartment.

A total of 80 people live in the building.

3.1 Solid Waste

According to the Guide for Determination of Domestic Solid Waste Tariffs prepared by the Ministry of Environment and Urbanization, in Istanbul;

solid waste amount per capita = 1,15 kg/person-day

Number of people = 80 people

Total daily solid waste amount of the building = 1,15 kg/person-day * 80 people = 92 kg/day

The standard residential garbage container is 120 L. 2 garbage containers are sufficient.

Solid waste components;

%50 organik matters,

35% paper-cardboard-cardboard,

5% plastic,

3% metal,

4% glass,

2% medical,

1% other

Total waste = 92 kg/day

$92 * 0.5 = 46$ kg/day

$92 * 0.35 = 33.25$ kg/day paper-cardboard etc. waste,

$92 * 0.05 = 4.6$ kg/day of plastic waste,

$92 * 0.03 = 2.76$ kg/day metal waste,

$92 * 0.04 = 3.68$ kg/day glass waste,

$92 * 0.02 = 1.84$ kg/day medical waste, (To be taken by licensed companies.)

$92 * 0.01 = 0.92$ kg/day other waste was calculated as.

3.2 Water Supply

According to the İller Bank; For the settlements with a population of 30000-50000, daily per capita water requirement = 120 L/person-day.

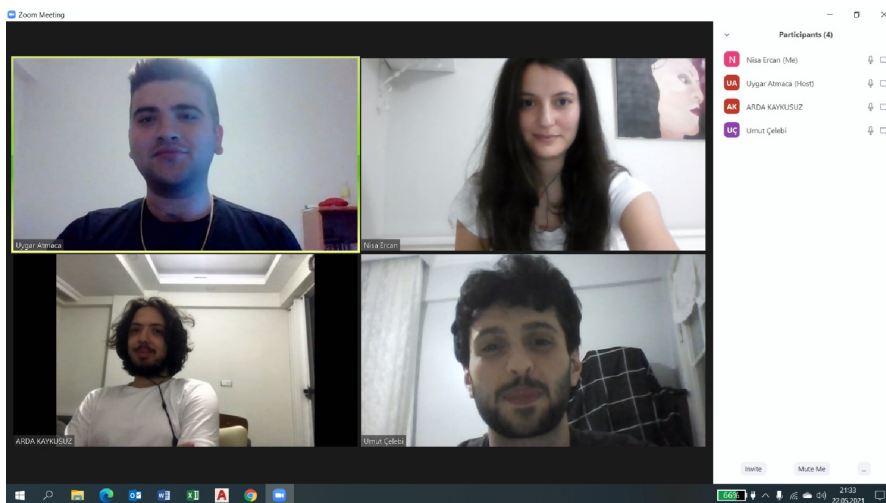
120 L/person-day * 80 persons = 9600 L/day = 9.6 m³/day = 0.00011 m³/s Ø30 PE pipe is selected for drinking water.

3.3 Waste water removal

According to İSKİ data, the amount of wastewater generated per person per day; 250 L/person-day

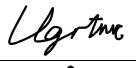
250 L/person-day * 80 persons = 20000 L/day = 20 m³/day

Ø20 MBB is selected



Student Number	Name	Last Name	Performance Note
16041057	AHMET ARDA	KAYKUSUZ	100
16041059	NİSA NUR	ERCAN	100
16041060	UYGAR	ATMACA	100
16041061	UMUT	ÇELEBİ	100

4. TAKIMDA GÖREV ALAN ÖĞRENCİLER

	Bölüm	SIRA	NUMARA	ADI	SOYADI	İMZA
TAKIM NUMARASI	İnşaat Mühendisliği	1	17042043	SITKI SELİM	KARABACAK	Katıldı
		2	17042118	ALP EREN	ÖZMEN	Katıldı
		3	15049017	TALHA	MERCAN	Katıldı
		4	15049019	ERTUĞRUL	YILMAZ	Katıldı
		5	15049025	AHMET SERDAR	KÖŞELİ	Katıldı
		6	16049030	AHMET	SARİBEKİROĞLU	Katıldı
		7	15042037	MUHAMMED DORUKHAN	GÜLER	Katıldı
		8	15042047	MUHAMMET	BUÇAN	Katıldı
		9	15042502	ZAFER	ARDAHANLI	Katıldı
		10	16042037	TAYFUN	KARABULUT	Katıldı
		11	16042107	SALİM FURKAN	KITAL	Katıldı
	Harita Mühendisliği	11	16046006	VECİHİ ASİM	KARTOĞLU	Katıldı
		12	16046050	SAMET	ÖZKAN	Katıldı
		13	16046053	ONURALP	TURAN	Katıldı
		14	17046089	ONUR CAN	ADAM	Katıldı
		15	13047033	HÜSEYİN	ATEŞ	Katıldı
	Çevre Mühendisliği	16	16046030	MESUT	KÖROĞLU	Katıldı
		17	16041057	AHMET ARDA	KAYKUSUZ	
		18	16041059	NİSA NUR	ERCAN	
		19	16041060	UYGAR	ATMACA	
20		16041061	UMUT	ÇELEBİ		

