

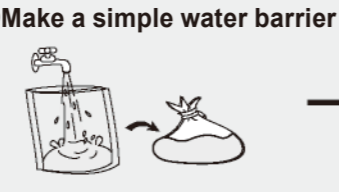
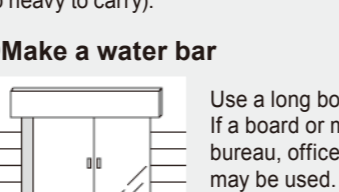
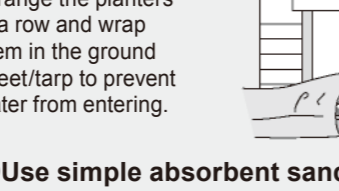
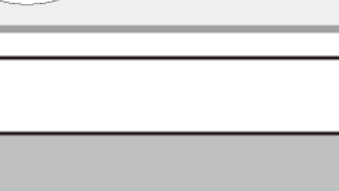
Daily preparations

Always be prepared

- **Confirm the location of the designated evacuation center and a safe route to that location.**
 - ※ Indicate the location of the evacuation center on this map and confirm the route from your home by walking it.
 - ※ Take care as cliffs and steep hills are vulnerable to landslides.
- **Always check the weather forecast on TV, radio, PC, etc.**




- **Prepare an emergency bag with basic necessities.**
 - Bag should contain a flashlight, a portable radio, batteries, drinking water, emergency provisions, a first aid kit, towels, clothing, underwear, rope, valuables, cash, etc.
- **Prepare sandbags and water bars in basements and half-basements.**
 - ※ Consider installing drainage pumps for underground and semi-underground facilities such as underground garages.
- **Please cooperate by keeping areas around street drains clean.**
 - ※ Clogged street drains may cause flooding and submergence of roads.
- **Don't put anything on top of drainage ditches or street drains.**


What you can do at home to prevent flooding

- A simple method of preventing flooding is to use items in your home to prevent water flooding in. Of course, this method will only work when the water is still shallow, so be extremely careful not to miss the chance to evacuate at the appropriate time during your flood prevention activities.
- 1. Make a simple water barrier out of plastic trash bags.**

 - Take two 40-liter plastic trash bags and insert one inside the other to make a double bag. Fill the double bag half-way with water (so it is not too heavy to carry).
 - Make several of these bags and pile them up with no spaces at the entrance as if they were sandbags. The barrier will be stronger if you pile the bags in cardboard boxes and the water-bag barrier can be piled higher.
 - 2. Make a water bar**

 - Use a long board or metal plate as a water barrier. If a board or metal plate is not available, a table, bureau, office locker, tatami mat or other material may be used.
 - 3. Use planters and a plastic ground sheet (tarpaulin)**

 - Arrange the planters in a row and wrap them in the ground sheet/tarp to prevent water from entering.
 - 4. Use simple absorbent sandbags**

 - These substitute sandbags will swell when submerged in water. Commercially available simple absorbent sandbags can be used to prevent water from entering.
- Effective measures against inundation in buildings!**

Gather information

We provide real-time information

- We provide real time information on rainfall and river water levels via the Internet and mobile phones. Access the following URLs with your mobile phone or computer to check the information about rainfall and water levels.
- Minato City < Internet >
http://mavi.city.minato.tokyo.jp/sui_uryo/
 - Bureau of Construction < Internet >
<http://www.kasen-subo.metro.tokyo.jp/m/sim0101g.html>
 - Bureau of Sewerage < Internet / mobile phone >
<https://tokyo-ame.jwa.or.jp/>
- Access the URLs above and select "Minato City" from area information to check the rainfall and river water levels in Minato City.
- You can access the Flood Control Integrated Information System of the Tokyo Metropolitan Government's Bureau of Construction from the two-dimensional code below.
-  Tokyo Metropolitan Flood Control Integrated Information System website (mobile phone version)
 -  Tokyo Metropolitan Flood Control Integrated Information System website (smart device version)
 -  Tokyo Prevention X (formerly Twitter)

Information on disaster prevention is available by e-mail

- Minato City delivers information on earthquakes, heavy rains, flooding, and other natural disasters to the residents and businesses within the city via cell phones, smartphones, tablet computers, and PCs.
- **How to Register**
 - 1 Send a blank e-mail to the following:
f-minato@sg-p.jp
 - 2 If you have a mobile phone that can read barcodes, scan the two-dimensional code below.
 - 3 You will receive an e-mail from the Minato City Disaster Information E-mail Service. You will see the URL of the registration form in the e-mail. Please access the registration screen.
 - 4 Review the terms of use and press "Agree."
 - 5 Select the distribution category, enter the registration information, and press "Confirmation screen."
 - 6 Check the entry and register it.
*Select Japanese or English. Language selection can be made on each page.



Download the Minato City Disaster Prevention app

- Minato City offers the "Minato City Disaster Prevention app" for free. With the "Disaster Prevention Map" in the app, you can make use of various contents, such as checking respective hazard maps. Please use the Minato City Disaster Prevention app to check the risk and prepare for disasters (available on tablets and smartphones only).
- **How to download**
 - 1 Scan the two-dimensional code on the right to access the download page.
(Search for "Minato-ku Bosai App" in your app download service.)
 - 2 Press the install button and install the "Minato City Disaster Prevention app."
 - **Main Contents**
 - Disaster prevention map
 - Disaster prevention information (Linked to device)
 - Light function (Linked to device)
 - Various disaster prevention pamphlets



For iPhone devices

For Android devices

- **When you want to check the contents of the disaster prevention wireless system?**
- Disaster information is broadcast from speakers installed outside, but if you could not catch it or missed it, you can also check it with the following methods.

- Call to check the contents of broadcasts
03-5401-0742
- Minato City's disaster prevention information e-mail service
- Minato City's official website
- Minato City's official X (formerly Twitter)
- Minato City's official Facebook
- J-COM channel (11ch)

Weather information

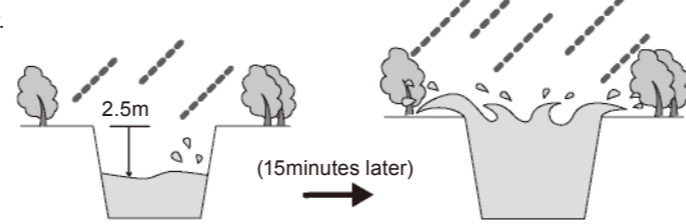
Pay attention to weather information

- The Meteorological Agency issues an advisory or warning when there is a possibility of disaster. Please pay attention to weather information on TV, radio, or PC.
- **Standard of issuance of advisories or warnings for Minato City by the Meteorological Agency.**
- | Type | Standards of Issuance |
|---|--|
| Advisory
Caution that disaster may occur | Strong wind advisory
Average wind velocity 13m/s or over |
| Advisory | Heavy rain advisory
(Flooding) When the Surface Water Index reaches (※1) 13
(Landslide) When the Soil Water Index reaches (※2) 113 |
| | Flood advisory
When the Furukawa River basin's Basin Water Index reaches 7.6
Or, when the Furukawa River basin's Surface Water Index reaches 11 and its Basin Water Index reaches (※3) 6.7 |
| Warning
Warning that serious disaster may occur | Storm warning
Average wind velocity 25m/s or over |
| | Heavy rain warning
(Flooding) When the Surface Water Index reaches 27
(Landslide) When the Soil Water Index reaches 133 |
| Special warning/alert
Warning that serious disaster will probably occur | Flood warning
When there is a Designated River Flood Forecast for Shibuya River and Furukawa River (Shibuya Bridge and Shinohashi Bridge) |
| | Special heavy rain warning
When heavy rainfall with a level of precipitation seen only once every few decades is expected in association with a typhoon or localized torrential rain, or when heavy rainfall is expected in association with a typhoon of an intensity seen only once every few decades or an extratropical cyclone of comparable intensity. |

- ※1 Surface Water Index
An index for indicating the danger of flooding from short-term heavy rain. It numerically expresses how much rain has accumulated on the surface of the ground, taking into consideration things like the covering, texture, and slope of the ground.
- ※2 Soil water index
An index for indicating the danger of landslides from short-term heavy rain. It numerically expresses how much rain has accumulated in the soil.
- ※3 Basin Water Index
An index for indicating the danger of river flooding from heavy rain upstream. It numerically expresses how much rain has been carried downstream.
- ※ This data is current as at April 2024.

Pay attention to flood forecasts/warnings/sirens, and act quickly.

- Water level of the Arakawa and Furukawa Rivers is being measured; flood forecast will be issued in accordance with the condition of water level. When a flood forecast is issued, evacuate promptly.
- **Types and announcement standards for Arakawa River flood forecasts (issued jointly by MLIT and JMA)**
- | Type of information | Standards of issuance |
|---|--|
| Flood advisory information (Flood watch) | Issued when the water level at any standard point in the forecasted area reaches an advisory level and is expected to rise further. |
| Flood alert information (Flood warning) | Issued when the water level at any standard point in the forecasted area is expected to reach an alert level, or the level to trigger evacuation, and is expected to rise further. |
| Flood risk information (Flood warning) | Issued when the water level at any standard point in the forecasted area reaches an alert level, or the level is expected to exceed the alert level quickly due to a sudden rise in the water level, and the level is expected to rise even further. |
| Flood occurrence information (Flood warning) | Issued promptly when flooding occurs. |
| Lifting of flood cautionary information (Lifting of flood watch) | Issued when the water level falls under flood advisory level. |
- | Standard point | Location | Stand-by level for flood preparedness teams | Flood advisory level | Evacuation level | Flood risk level |
|----------------------------|---------------------------------|---|----------------------|------------------|------------------|
| Iwabuchi floodgate (Upper) | Shimo 5-Chome, Kita City, Tokyo | 3.00m | 4.10m | 6.50m | 7.70m |
- Unit: A.P.
- **Types and announcement standards for Furukawa River flood forecasts (issued jointly by Tokyo Metropolitan Government and JMA)**
- | Type of information | Standards of issuance |
|-----------------------------------|--|
| Flood advisory information | Issued when the water level at any one standard point is expected to reach a flood risk level within the hour. |
- | Measuring point | Location | Evacuation level | Flood risk level |
|-----------------|-----------------------------|------------------|------------------|
| Shibuyabashi | Ebisu Higashi, Shibuya City | 9.19m | 11.08m |
| Shinohashi | Minami-azabu, Minato City | 4.88m | 6.67m |
- Unit: A.P.

- **Furukawa River water level rises suddenly.**
Evacuate before you sense danger.
- 
- ※Water level once rose 2.5m in 15 minutes.

Minato City measures precipitation at nine points within the city and Furukawa River water level at two points, Shin-hiroo Park and Shirokane Park, every three minutes. Please listen carefully to announcements and warnings of danger based on the Minato City and Furukawa River water levels broadcast from municipal radio tower speakers.

- **Warning based on precipitation in Minato City**

Warning level	Hourly precipitation	Content of broadcast
1	25mm	(No broadcast)
2 (Advisory)	30mm	(No broadcast)
3 (Warning)	50mm	Very heavy rain is falling in the city. Please be extremely wary of flooding in buildings and basements.

- **Warning based on Furukawa River levels**

Warning level	Furukawa River water level		Content of broadcast
	Shin Hiroo Park	Shirokane Park	
1	Water level: 2.58m	Water level: 2.86m	(No broadcast)
	Water level: 2.0m	Water level: 2.0m	
2 (Advisory)	Water level: 1.0m	Water level: 1.0m	The Furukawa River water level has reached the warning level. Take care to prevent flooding in buildings or basements.
	Water level: 0.2m	Water level: 0.2m	

Siren sounds for 10 seconds and stops for 5 seconds. There is a danger that the Furukawa River may overflow its banks. Please prepare for evacuation.

※ Announcement will be made when warning level 2 (advisory) is reached in accordance with forecasted rainfall and weather conditions.

How to evacuate / Evacuation tips

How to evacuate

- Evacuate to a nearby tall building or evacuation center.
- Please contact City Hall when you evacuate to an evacuation center.

※ If the water is as deep as your waist, do not take chances, and wait in a high place for the right time to evacuate.



Evacuation tips

- **Always gather the latest weather information from TV, radio, or PC.**
- **Pay attention to evacuation orders from City Hall or the police department.**
- **Do not evacuate alone; contact friends and neighbors and evacuate together.**
- **Stay away from rivers and/or bridges.**
- **Turn off gas at the supply valve and turn off electricity at the circuit breakers.**
- **We ask your cooperation in helping to evacuate the elderly, children, and the sick.**

Be careful of localized heavy downpours.

- Damages from localized heavy downpours are increasing, so please be careful.
- **Be careful of manholes.**
 - ※ There have been accidents where people fell into uncovered manholes.
 - ※ Do not remove manhole covers to try to drain water from streets or roads.
 - **Basements are dangerous during torrential rain.**
 - ※ Water may flow in suddenly and it may become impossible to open doors due to water pressure.
 - ※ Move to a higher floor immediately.
 - ※ If electric facilities are located in the basement of the building, there is a danger that submersion of equipment may result in a power outage or electrocution.
 - ※ Do not use elevators as they may be dangerous.

Evacuation information

About the commencement of the disaster warning level system

Minato City's evacuation information ([Warning level 3] Evacuation of the Elderly, etc., [Warning level 4] Evacuation Instruction, [Warning level 5] Emergency Safety Measures) is issued through the city's disaster prevention wireless system, disaster prevention radio, disaster prevention information e-mail service, disaster prevention app, official website, social media accounts, etc.

Warning level	Evacuation information	What you should do	Circumstances of issuance	Advisory
Warning level 5	Emergency Safety Measures (※1)	Your Life is in Danger - Secure your safety NOW!	Disaster has occurred or is about to occur (This is not always issued)	Minato City
Warning level 4	Evacuation Instruction	Everyone evacuates from hazardous areas	High risk of disaster	Minato City
Warning level 3	Evacuation of the Elderly, etc.	Elderly etc. evacuate from hazardous areas (※2)	Risk of disasters	Minato City
Warning level 2	Early Warning Information (JMA)	Check how you will evacuate	Worsening weather conditions	Meteorological Agency
Warning level 1	Early Warning Information (JMA)	Increase your preparedness towards disaster	Risk that weather conditions will worsen	Meteorological Agency

Criteria for the issuance of evacuation notices related to floods

- **Criteria for the issuance of evacuation notices related to floods (Arakawa River) (Issued by Minato City)**

Warning level	Evacuation information	Issuance criteria
Warning level 5	Emergency Safety Measures	Issued in any of the following situations: (Disaster occurrence confirmed) ● When an overflow/inundation has occurred or has been recognized by the reports etc. from the flood fighting corps
Warning level 4	Evacuation Instruction	Issued in any of the following situations: ● When it is announced by the Designated River Flood Forecast that the water level of the Furukawa River Shinohashi Bridge Water Level Observation Station has reached a flood hazard water level (water level 4) ● When a typhoon with strong rainfall that requires the issuance of an evacuation order at Warning level 4 (Evacuation Instruction) is expected to approach/pass through between the right until dawn (issued in the early evening hours) ● When a typhoon with strong rainfall that requires the issuance of an evacuation order at Warning level 4 (Evacuation Instruction) is expected to approach/pass through accompanied by a windstorm that makes evacuating through vacating homes difficult (Issued immediately after a windstorm warning so that the windstorm will not hit people evacuating through vacating homes)
Warning level 3	Evacuation of the Elderly, etc.	Issued in any of the following situations: ● When it is announced by the Designated River Flood Forecast that the water level of the Furukawa River Shinohashi Bridge Water Level Observation Station is expected to reach a flood hazard water level (water level 4) (When there is a risk of floods due to a rapid rise in water level) ● When a typhoon with strong rainfall that requires the issuance of an evacuation order at Warning level 3 (Evacuation of the Elderly, etc.) is expected to approach/pass through between the right until dawn (issued in the early evening hours)

Criteria for the issuance of evacuation notices related to floods (Furukawa River) (Issued by Minato City)

Warning level	Evacuation information	Issuance criteria
Warning level 5	Emergency Safety Measures	Issued in any of the following situations: (Disaster is about to have already occurred) ● When the water level of the Iwabuchi-Suimon (Kami) Water Level Observation Station of the Arakawa River has reached A.P.10.11m, i.e. equivalent to the start of a flood ● When the river becomes "possibly flooded (black)" on the flood risk distribution map of government-managed rivers (Flood Risk Line) (Disaster outbreak confirmed) ● When an overflow/inundation has occurred (or recognized by the flood outbreak information [Warning level 5: Flood] of the Designated River Flood Forecast or the reports etc. from the flood fighting corps)
Warning level 4	Evacuation Instruction	Issued in any of the following situations: ● When it is announced by the Designated River Flood Forecast that the water level of the Iwabuchi-Suimon (Kami) Water Level Observation Station has reached A.P.7.7m, i.e. the flood hazard water level (water level 4) ● When the water level of the Iwabuchi-Suimon (Kami) Water Level Observation Station has yet to reach A.P.7.7m, i.e. the flood hazard water level (water level 4), but is expected to reach A.P.10.11m, i.e. equivalent to the start of a flood ● When the river becomes "equivalent to above the flood hazard water level (purple)" on the flood risk distribution map of government-managed rivers (Flood Risk Line) ● When a typhoon with strong rainfall that requires the issuance of an evacuation order at Warning level 4 (Evacuation Instruction) is expected to approach/pass through between the right until dawn (issued in the early evening hours) ● When a typhoon with strong rainfall that requires the issuance of an evacuation order at Warning level 4 (Evacuation Instruction) is expected to approach/pass through accompanied by a windstorm that makes evacuating through vacating homes difficult (Issued immediately after a windstorm warning so that the windstorm will not hit people evacuating through vacating homes)
Warning level 3	Evacuation of the Elderly, etc.	Issued in any of the following situations: ● When it is announced by the Designated River Flood Forecast that the water level of the Iwabuchi-Suimon (Kami) Water Level Observation Station has reached A.P.6.5m, i.e. the evacuation determination water level (water level 3), and the water level is expected to continue rising ● When it is announced by the Designated River Flood Forecast that the water level of the Iwabuchi-Suimon (Kami) Water Level Observation Station is expected to reach the flood hazard water level (water level 4) (When there is a risk of floods due to a rapid rise in water level) ● When a typhoon with strong rainfall that requires the issuance of an evacuation order at Warning level 3 (Evacuation of the Elderly, etc.) is expected to approach/pass through between the right until dawn (issued in the early evening hours)

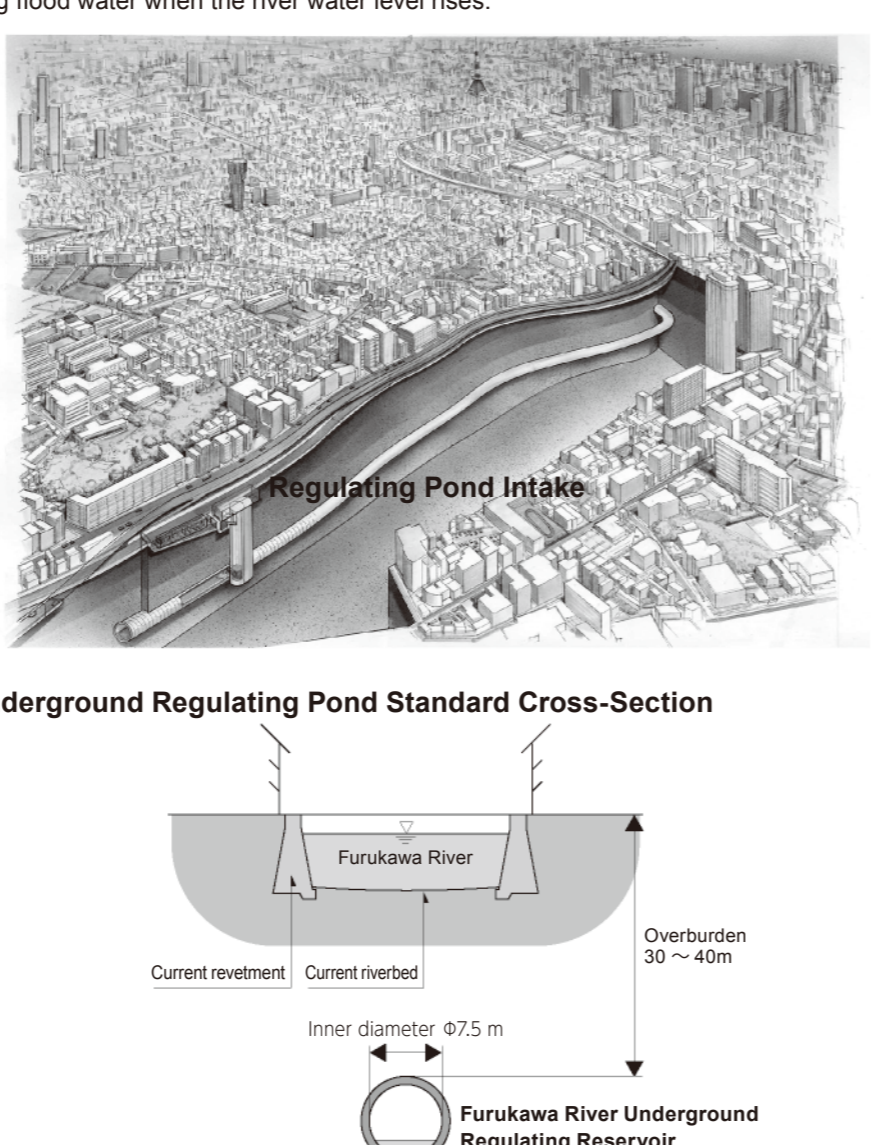
※1 Warning level 5 is not always issued due to such reasons as the city not being able to assess the disaster situation for certain.
※2 Warning level 3 usually gets the timing when people other than the elderly, etc. should start putting on hold what they usually do and/or voluntarily evacuating when they feel the danger, if necessary.

Dealing with post-inundation

- **Disinfect to prevent infectious diseases.**
- **Take care after a typhoon has passed.**
- **Check for broken electric wires or cables.**
- **Check the exterior of your home, including roof tiles and antennas.**
- **Check for leakage of hazardous materials such as kerosene.**
- **Dry out used sandbags and return or store them.**
 - ※ If sandbags are put away wet, they cannot be reused.

Furukawa River Underground Regulating Pond

The Furukawa River Underground Regulating Pond (tunnel extension: 3.3 km, inner diameter: φ7.5 m, storage capacity 135,000 m³) was created by the Tokyo Metropolitan Government to handle rainfall of 50 mm per hour. It has been in use since 2017. The pond greatly helps reduce flood damage in the Furukawa River basin, by temporarily storing flood water when the river water level rises.



■ **Underground Regulating Pond Standard Cross-Section**

Overburden 30~40m
Inner diameter φ7.5 m
Furukawa River Underground Regulating Reservoir

Disaster prevention authorities

Please contact the following facilities in case of flood or typhoon damage.

Content of request	Name of facility	Location	Contact information
Certificate of damage	Management Subsection, General Administration Section, Each Minato City Office (see below)	Each Regional City Office (see below)	Each Regional City Office (see below)
	Trash collection	Minato Recycling and Waste Management Office	3-9-59 Konan 3450-8025
Consultation on disinfection after flooding	Life Hygiene Counseling Subsection, Life Hygiene Section, Minato Public Health Center	1-4-10 Mita	6400-0043
	Health and Welfare Subsection, Residents Support Section, Each Minato City Regional City Office	Each Regional City Office (see below)	Each Regional City Office (see below)
Relief money after small-scale disaster	Industry Promotion Section, Minato City	Fudanotsuji Square (5-36-4 Shiba)	6435-4620
Emergency support funds for living assistance and welfare	Livelihood Support Section, Minato Council of Social Welfare	Azabu Regional City Office (see below)	6230-0282
Tax exemption	National tax	Shiba tax office	5-8-1 Shiba 3455-0551
	Prefectural tax	Azabu tax office	3-3-5 Nishi-azabu 3403-0591
	City Ward tax	Minato Metropolitan Taxation Office	3-5-6 Azabudai 5549-3800
Consultation regarding National Health Insurance fees	Tax Assessment Subsection, Taxation Section, Minato City	2F Minato City Hall	3578-2593
	National Health Insurance and Pension Section, Minato City	3F Minato City Hall	3578-2643~2645

Contact information for related facilities

Information needed	Name of facility	Location	Contact information
Flood preparation, sandbags	Public Works Subsection, Community Development Section, Each Minato City Office (see below)	Each Regional City Office (see below)	Each Regional City Office (see below)
	Shiba Fire Station, Shiba Volunteer Fire Company	2-13-7 Higashi-shimbashi	3431-0119
Fire Station, paramedics	Azabu Fire Station, Azabu Volunteer Fire Company	3-4-42 Mito-azabu	3470-0119
	Akasaka Fire Station, Akasaka Volunteer Fire Company	2-16-8 Minami-ayama	3478-0119
Police	Takanawa Fire Station, Takanawa Volunteer Fire Company	2-4-12 Shirokane	3446-0119
	Atago Police Station	6-18-12 Shimbashi	3437-0110
	Azabu Police Station	4-7-1 Roppongi	3479-0110
	Akasaka Police Station	4-18-19 Akasaka	3475-0110
Tokyo Metropolitan streets/roads	Mita Police Station	3-15-20 Takanawa	3440-0110
	Mita Police Station	4-12-12 Shibaara	3454-0110
	Tokyo Wangan Police Station	2-7-1 Aomi, Koto City	3570-0110
Routes 1 and 15	Tokyo Metropolitan Highway Office, Minato Area	1-2-13 Mita	3452-1464 3343-4061(☎)
Route 246	Tokyo National Highway Office, Shinagawa Branch	11-3 Yashio, Shinagawa City	3799-6315
	Tokyo National Highway Office, Yoyogi Branch	4-30-8 Yoyogi, Shibuya City	3374-9451
Sewers	Bureau of Sewerage, Tokyo Metropolitan Government, Chubu Sewerage Office, Minato Branch, (excluding Daiba area)	2-20-14 Mita	3798-5243
	Bureau of Sewerage, Tokyo Metropolitan Government, Toho 1st Sewerage Office, Koto Branch (only for Daiba area)	7-1-14 Yoto, Koto City	3645-9273

- **Each Regional City Office**

Name of regional city office	Location	Contact information			
		Management Subsection, General Administration Section	Health and Welfare Subsection, Residents Support Section	Collaboration Project Subsection, Collaboration Project Section	Public Works Subsection, Community Development Section
Shiba Regional City Office	1-5-25 Shibakoen	3578-3191	3578-3161	3578-3123	3578-2032
Azabu Regional City Office	5-16-45 Roppongi	5114-8811	5114-8822	5114-8802	5114-8803
Akasaka Regional City Office	4-18-13 Akasaka	5413-7014	5413-7276	5413-7272	5413-7015
Takanawa Regional City Office	1-16-25 Takanawa	5421-7124	5421-7085	5421-7621	5422-7941
Shiba-ara Regional City Office	1-16-1 Shibaara	6400-0011	6400-0022	6400-0031	6400-0032

※Holidays/night time