



FAN: BINOLARNING SANTEXNIKA QURILMALARI VA JIXOZLARI

**Mavzu: Suv ta'minoti
tarmoqlari.**

REJA:

1. Suv o'tkazuvchi quvurlar Ichki suv ta'minoti.
2. Hovlilarni suv bilan ta'minlash.
3. Quvurlarni o'tkazish.

Suv o'tkazuvchi quvurlar Ichki suv ta'minoti deb, imorat va inshootlarga tashqi suv manbayidan suv tarqatish nuqtasiga bosim ostida suv berish uchun mo'ljallangan muhandislik qurilmasiga aytiladi. Ichki suv ta'minoti tarmoqlari quyidagi elementlardan iborat: binoga suvquvur kiritish (bir va bir nechta), suv o'lchagich tuguni, tarqatuvchi quvur tarmoqlari; suv ko'tarish qurilmalari (ularga ko'tarish nasoslari, suv tarmoq minorlari va idishlari kiradi).

SUV O‘TKAZUVCHI QUVURLAR.



Suv ta'minoti tarmog'ining tashqi magistraldan binoga o'rnatilgan suv o'lchagichgacha bo'lgan yer osti uchastkasi kirish qismi deb ataladi. Kirish cho'yan quvurlar orqali bajariladi. Asosiy suv o'tkazuvchi magistral quvur tarqatuvchi quvurlarga suv berish uchun xizmat qiladi. Tik quvur (tik quvur) uy qavatlariga suvni taqsimlab, tarqatish nuqtalariga yetkazib beradi

CHO'YAN QUVUR VA DETALLAR.



Hovli suv ta'minoti tarmog'i yer tagidan o'tkaziladi. Quvurlarni qanday chuqurlikda o'tkazish kerakligi ayni hududda yerning muzlash chuqurligiga bog'liq. Ichimlik suv quvurlarini turar joy binolariga o'tkazish chuqurligi shahar tashqi suv ta'minlash tarmog'ining o'tkazish chuqurligiga teng bo'lishi lozim.

What Else Impacts Earth's Layers?

Loose Soil

Ice forms **easily** on loose soil with **large particles** on loose soil **with space between grains** filled with water.

Light-colored soil freezes **quicker** than dark soil.

Dense Soil

Dense soil with the **smaller particles** **doesn't freeze** quickly or easily.

Marshy/Peat

The layers **under Peat** are **colder** than any soil around it that is not covered by Peat.

Under Snow

Snow acts like a **blanket** that contains the heat of the ground's surface, which **prevents heat** from escaping.

Under Water

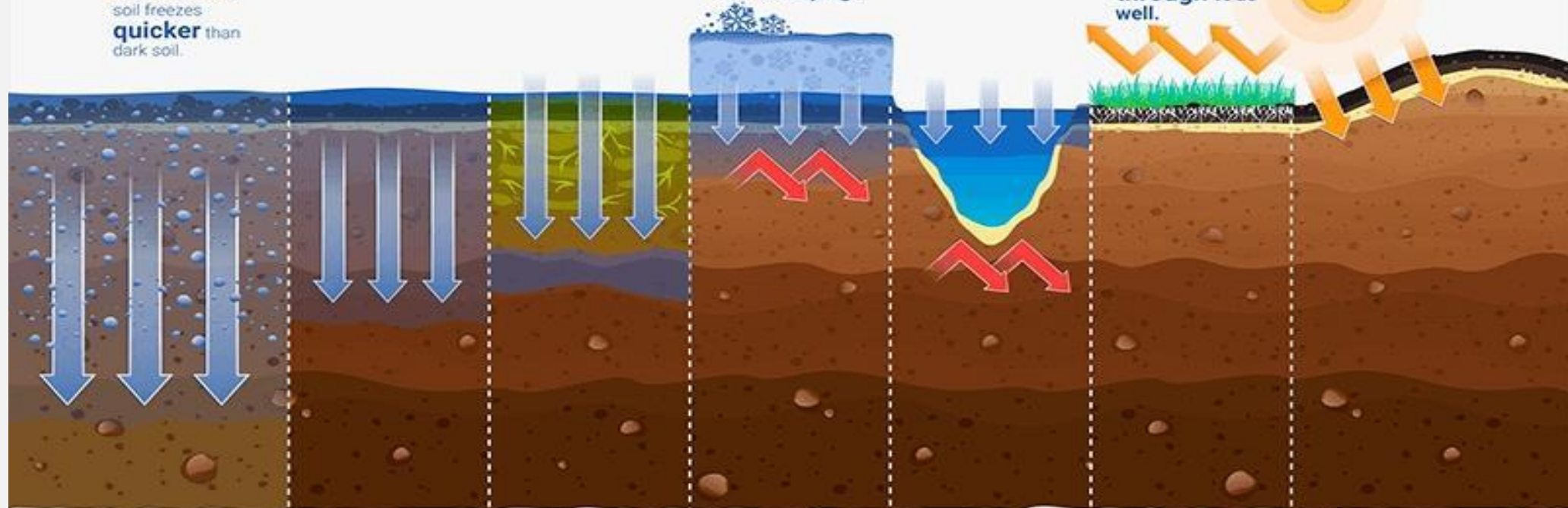
Water in lakes and rivers are a **source of heat** in cold areas because many times the **ground underneath** a lake or river **isn't frozen**.

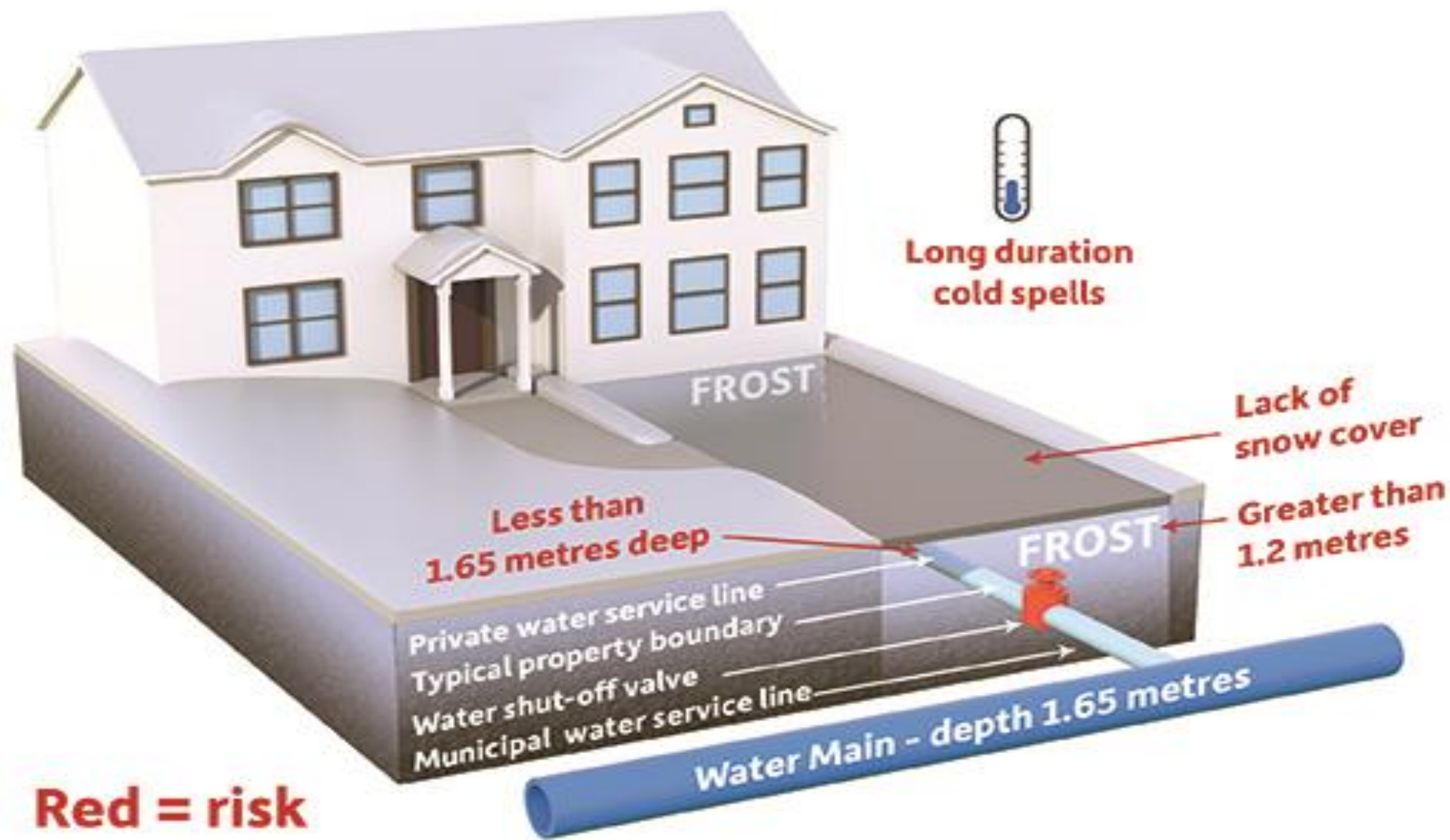
Under Plants

Plants provide a layer of **insulation** and keep the soil underneath cooler because the sun **can't penetrate** through it as well.

Slopes/Hills

Slopes **affect** the temperature of the ground-based on **if one side of the slope** faces the sun.



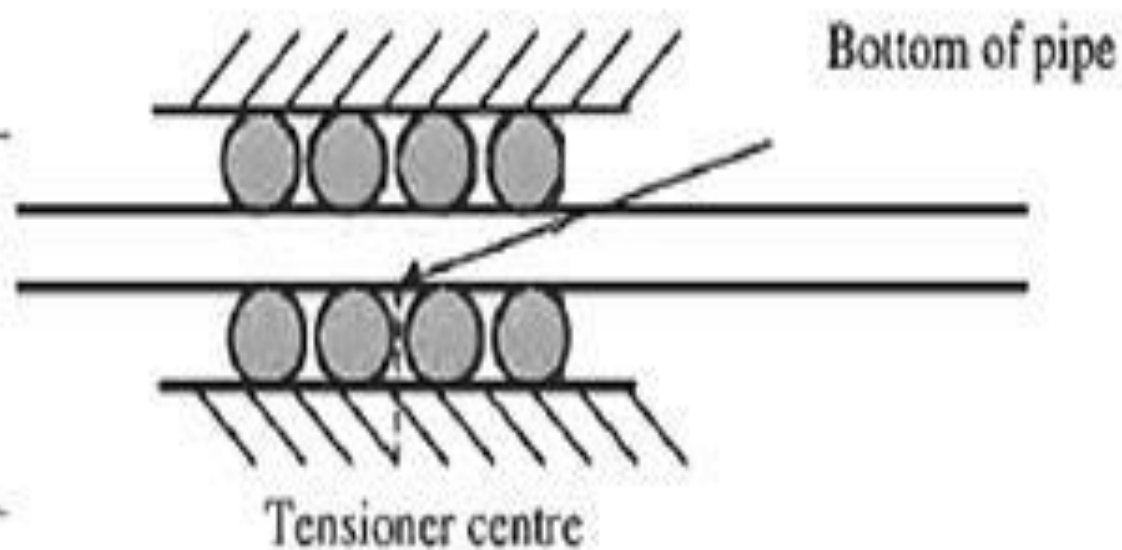
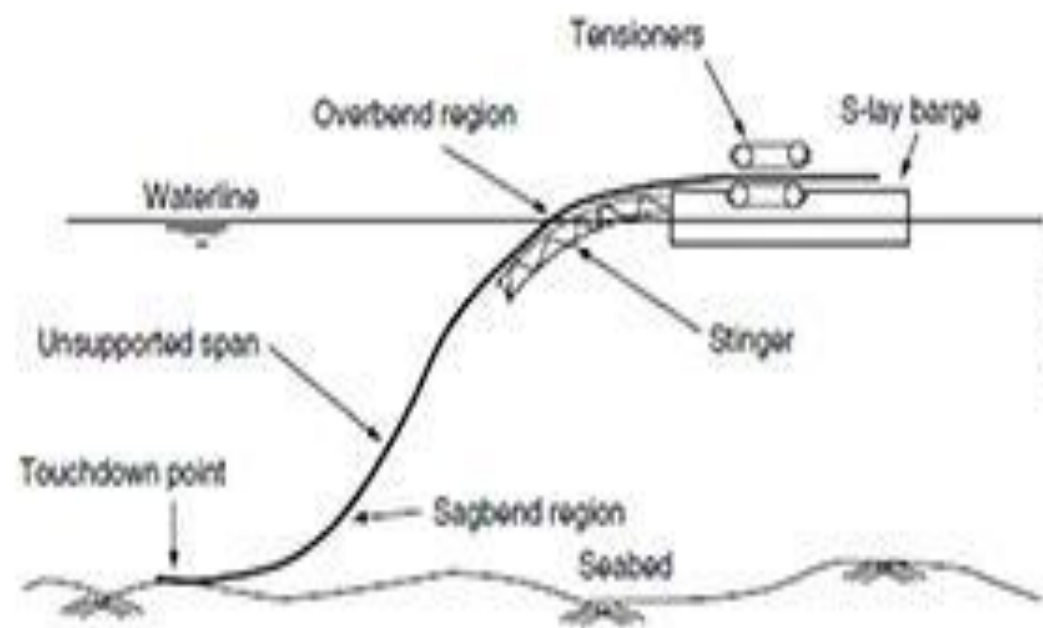
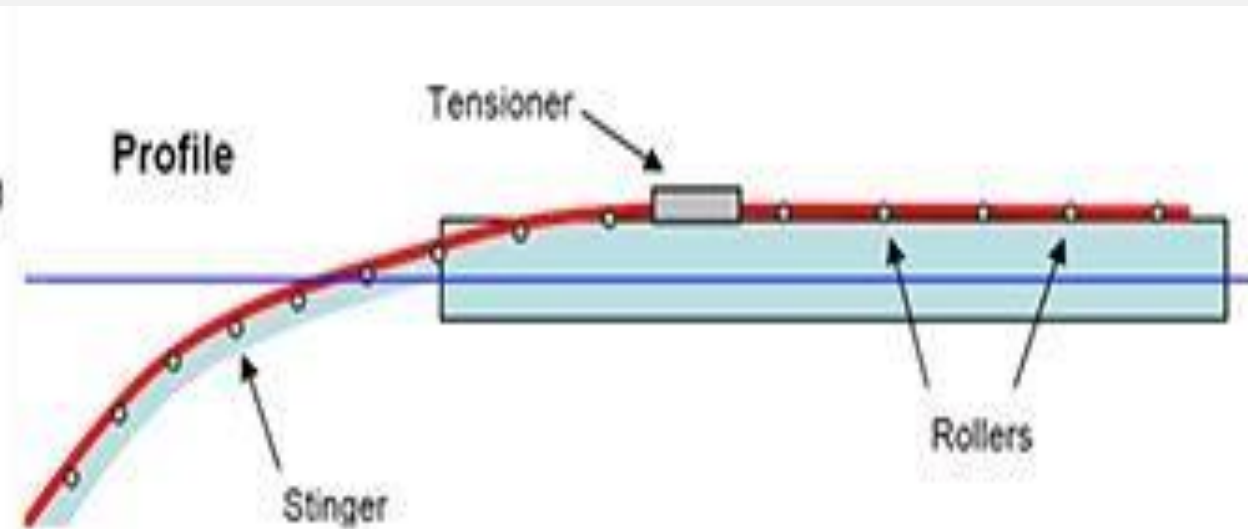
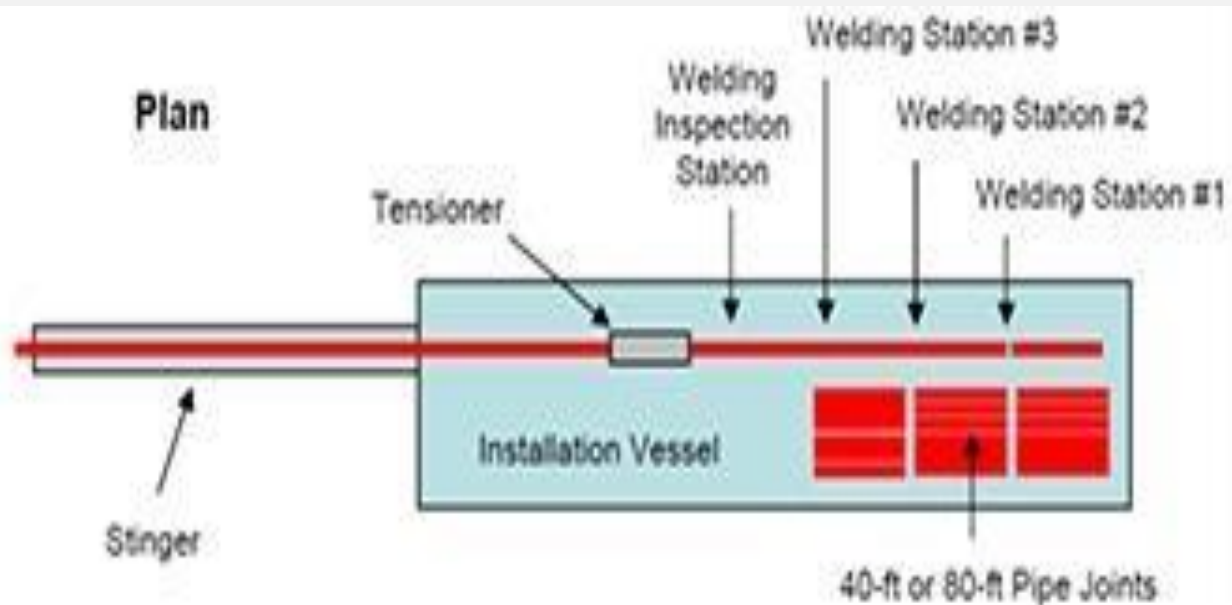


- Tarqatish tarmog‘i yerning muzlash chuqurligidan 40 sm pastroq o‘tkaziladi. Janubiy hududlarda quvurlarni o‘tkazish chuqurligini tanlashda issiq kunlari quvurdagi suv isib ketmasiligini ham hisobga olish lozim.

3-jadval. Tuproqning muzlash darajasi.

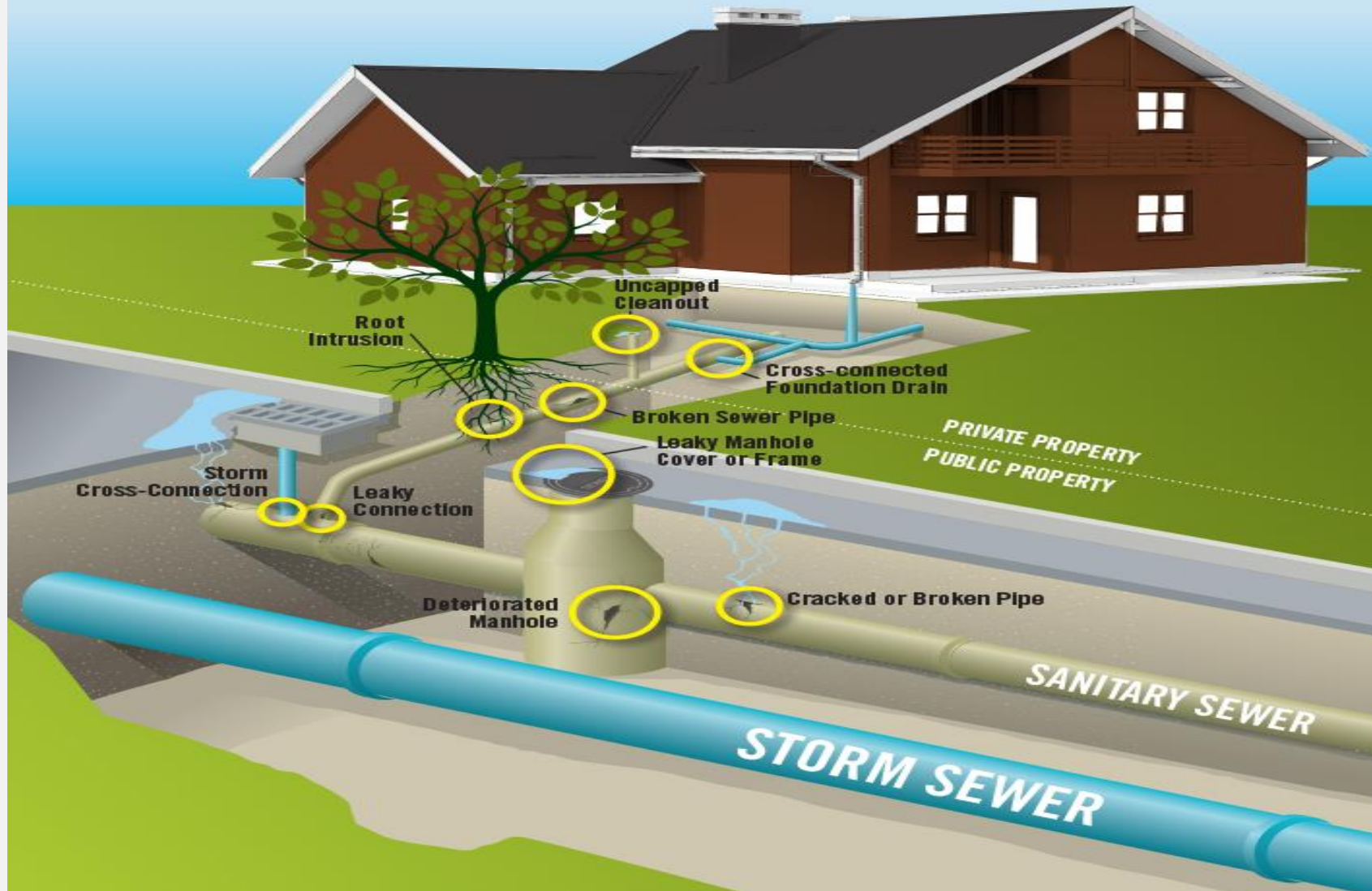
Er Chuqurlik (sm)	Tuproqning muzlash darajasi (sm/kun)			
	Yalang er	Tabiiy qor	Siqilgan qor	Qalin
0-10	0,91	0,71	0,67	0,67
10-20	1.11	1.43	1.43	0,67
20-30	1.25	1.25	1.25	0,67
30-40	1.43	1.43	1.11	0,50
40-50	1.67	1.67	1.43	0,67
50-60	2.00	1.25	1.25	1,00
60-70	1.67	1.11	1.00	1,00
70-80	1.43	1.00	1.11	0,67
80-90	1.11	1.25	0,71	0,67
90-100	1.11	0,91	0,50	0,67

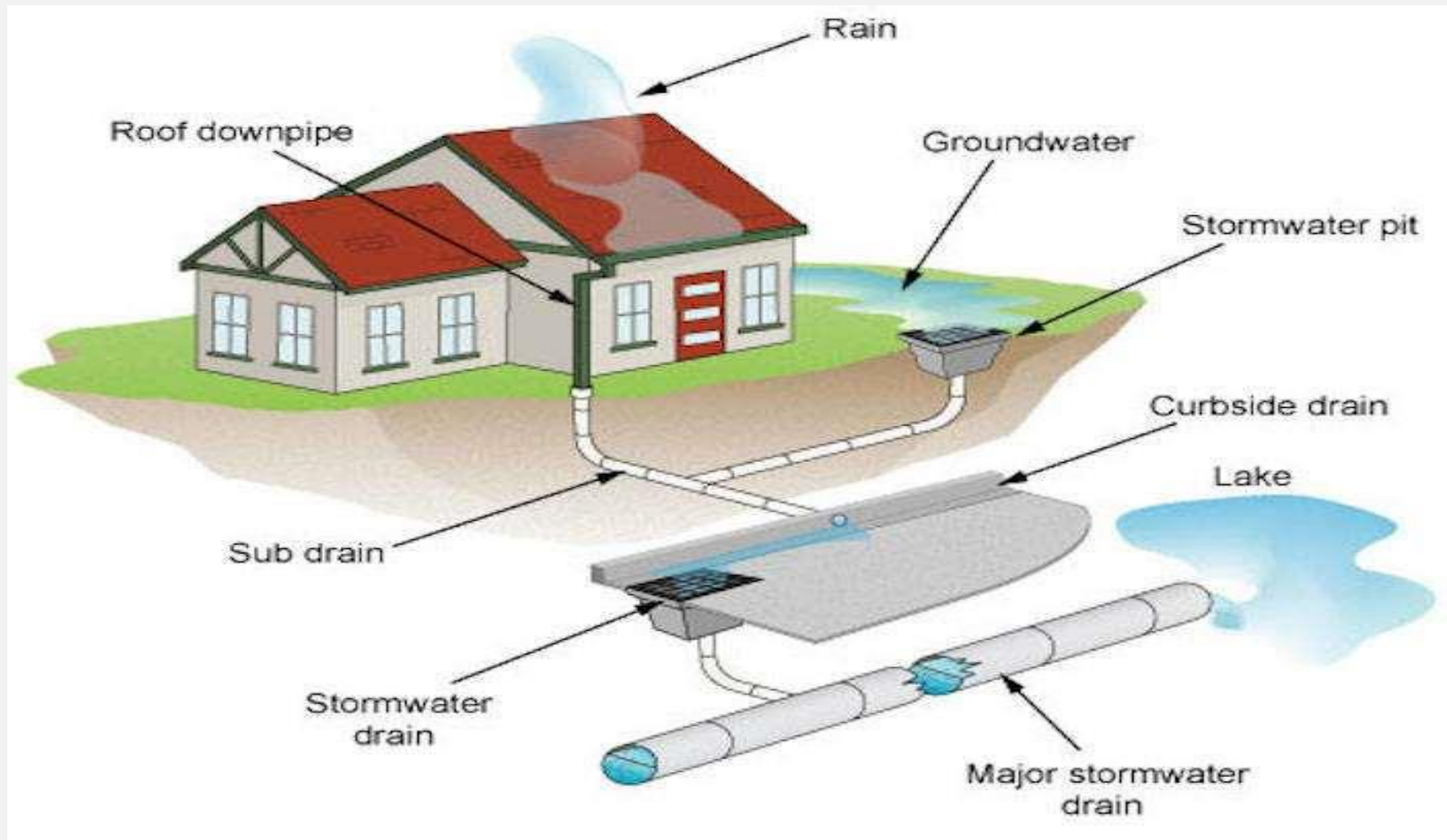
Quvurlarni o'tkazishda yer ustidan quvur ustigacha bo'lgan o'rtacha chuqurlik: shimoliy hududlar uchun 2,2–2,7 m, markaziy va janubiy hududlar uchun 1–1,5 m ni tashkil etadi. Agar quvur uncha chuqur o'tkazilmasa, qatnaydigan transportdan tushadigan tashqi zo'riqishlarni hisobga olish va quvurlarining mexanik shikastlanishiga yo'l qo'ymaslik choralarini ko'rish kerak.



Suv ta'minlash quvurlarining oqova suv quvurlari bilan kesishgan joylarida suv ta'minlash liniyalari kanalizatsiya tarmoqlaridan kamida 0,4 m balandlikda o'tkaziladi. Suv ta'minlash va oqova suv quvurlarining bir sathda o'tkazilganida quvurlar devorlari orasidagi masofa diametri 200 mm gacha bo'lgan quvurlar uchun kamida 1,5 m, katta diametrli quvurlar uchun kamida 3 m bo'lishi kerak.

INCORRECT CONNECTIONS OF INFLOW AND INFILTRATION







FOYDALANILGAN ADABIYOTLAR:

1. [.https://www.york.ca/environment/water-and-wastewater/inflow-and-infiltration](https://www.york.ca/environment/water-and-wastewater/inflow-and-infiltration)
2. [.https://www.researchgate.net/figure/Water-Supply-System-of-Highlake-city_fig1_301932765](https://www.researchgate.net/figure/Water-Supply-System-of-Highlake-city_fig1_301932765)
3. Google scholar
4. <https://www.sylvanlake.ca/en/public-services/water-and-sewer.aspx>

**E'TIBORINGIZ
UCHUN
RAHMAT!**