



Shree Bhotenamlang Secondary School

Toilet Design Studio, Healthabitat, May 2018

Consultation with the school



श्री भोटेनाम्लाङ्ग माध्यमिक विद्यालय

SHREE BHOTENAMLANG SECONDARY SCHOOL

पाँचपोखरी थाङपाल गाउँपालिका ७, भोटेनाम्लाङ्ग, सिन्धुपाल्चोक

Pachpokhari thangpal Rural Municipality 7, Bhotenamlang, Sindhupalchok

स्थापित: २०१७ ESTD: 2017



पत्र संख्या (Letter No.): ०७४१०७९

संलग्न नं. (Ref No.): १९९

फाइल नं.: 230110001

मिति (Date): ०७/१०/१९

28 Jan 2018

विषय (Subject): For the request of toilet

श्री (To) ...Monezor. of.....

Health Habitat O.S.

We kindly request to you for the toilet because of now a days we have not sufficient of toilet. the toilet has been destroyed by the earth quake. so our students are suffering from obstackels and normal deases. Cerrrent year 627 (Six hundred twenty seven) students are studying in our school but the toilet is just two. its not sufficient and not boys and girls toilet. both use in aequally so we kindly request to you for the toilet. we hope you will help and support to us.

M. P. Gurung
Headmaster



Welcome to the school



Meeting with Principal (Gopi) + 7 Teachers

The School

Staff

- 15 teachers in the school – 4 women and 11 men.
- 2 office staff – 1 woman, 1 man.

Students

- Currently 627 students – expecting 650
- Before 50%/50%
- 20% less students on any one day – absences
- 87 students leave at 2pm (4-5 years old). 150 students after 3pm. Remaining students leave at 4pm.
- Students allowed to go to the toilet during class, with permission.

Buildings/Design

- Football and volleyball spaces being put in.
- No current plan to demolish dental camp classroom. Used for music and library.
- Student hostel may be built in place of the existing office block.
- Only 'temporary' classroom.
- New block has up to 22 classrooms.

General Discussion

- They currently play football on the road.
- Table-tennis is popular – they play outside.
- Girls + boys play together.
- Volleyball is very popular – the school almost won the local 'Olympics'!

Consultation with the Principal and Teachers of the School



Existing

- **Don't like:**
 - o that there is no water in the toilet – once the toilet is used, nothing can be done
 - o that there is no soap
 - o that boys' toilets are next to girls' toilets. One reason: that both girls and teachers can use the boys' toilets too.
 - o anything about the toilets!
- Current leaking septic tank is hampering students' health + education.
- They usually go to the toilet during break-times.
- They don't wash their hands.
- Would brush teeth at school if facilities allowed it.
- 5-10-minute queue times.

Requirements/Requests for New

- Separate places for urinating and pooing.
- Separate places to pee + long drop?
- Placement of soap and taps so that even short boys can reach.
- Better if toilets are located near classrooms (rather than sports spaces).
- If there is only one toilet-block to be made, it should be in the middle of the school.
- Best if the toilet-block is located near the library – accessibility for disabled.
- Material: bricks.
- Colour: a colourful as possible!
- Lots of mirrors in hand-washing area.
- Strong doors and windows that don't rot away.
- Good locks that can be locked from the inside.
- Lots of running water.
- Lighting for hostel students, as they eat/sleep/study at the school.

Consultation with male students



Existing	Requirements/Requests for New
<p>Like;</p> <ul style="list-style-type: none"> - Having the existing toilets alleviates the need to go outside in the fields <p>Dislike;</p> <ul style="list-style-type: none"> - No internal lock - The students have to go in a pair to guard and prevent being walked in on by other students, specifically boys - There is always a line up for the toilet - There is never enough water to flush or wash - There isn't a bin for sanitary napkins - Boys write bad messages on the walls 	<ul style="list-style-type: none"> - continuous running water - A hook for bag, clothes and a towel (2-3 hooks) - Toilet brush - A tap inside for flushing - A place to wash inside the toilet in privacy - An internal door lock - A dust bin for sanitary napkins - A bucket and mug for flushing - A working septic tank - Love the colour pink

Consultation with the female students



Existing	Requirements/Requests for New
<ul style="list-style-type: none"> - Currently, principal is in charge of toilet-cleaning – used to have class monitors. - Don't like anything about them. - Bad plumbing pipes. - Taps, but no water. Students break taps that spin. - Soap-dispenser broke. - Hands washed with a hose. - Teachers carry anti-bacterial for their hands. - Toilets sometimes used by villagers. - There was a recent incident of student(s) pooing in a classroom. 	<ul style="list-style-type: none"> - Separation between male and female toilets wanted, but no separation between teacher and student toilets, as if they are together, teachers can supervise and check cleanliness of student toilets. I.e.: a female student+teacher block, and a separate male student+teacher block. - O.K. if toilets located near classroom, for supervision, but not if smelly. - 2 toilets needed up the top of the site (for seniors – year 6-10); 4 needed down the bottom (for juniors – year 1-5). - Possible toilet location: at rear of senior-classroom block. - Taps inside toilets needed. - Separate short+long toilets – easier for the boys. - Need child-sized, and not adult-sized pans. - A bin for girls' sanitary waste. - Place to wash hands outside. - Something to encourage younger children to brush their teeth at school, as they don't do it at home. - Clothes-hanger/hook needed inside toilet. Hook for towel (hand-drying) also needed, so girls can wash and wipe hands during their period.

Toilets

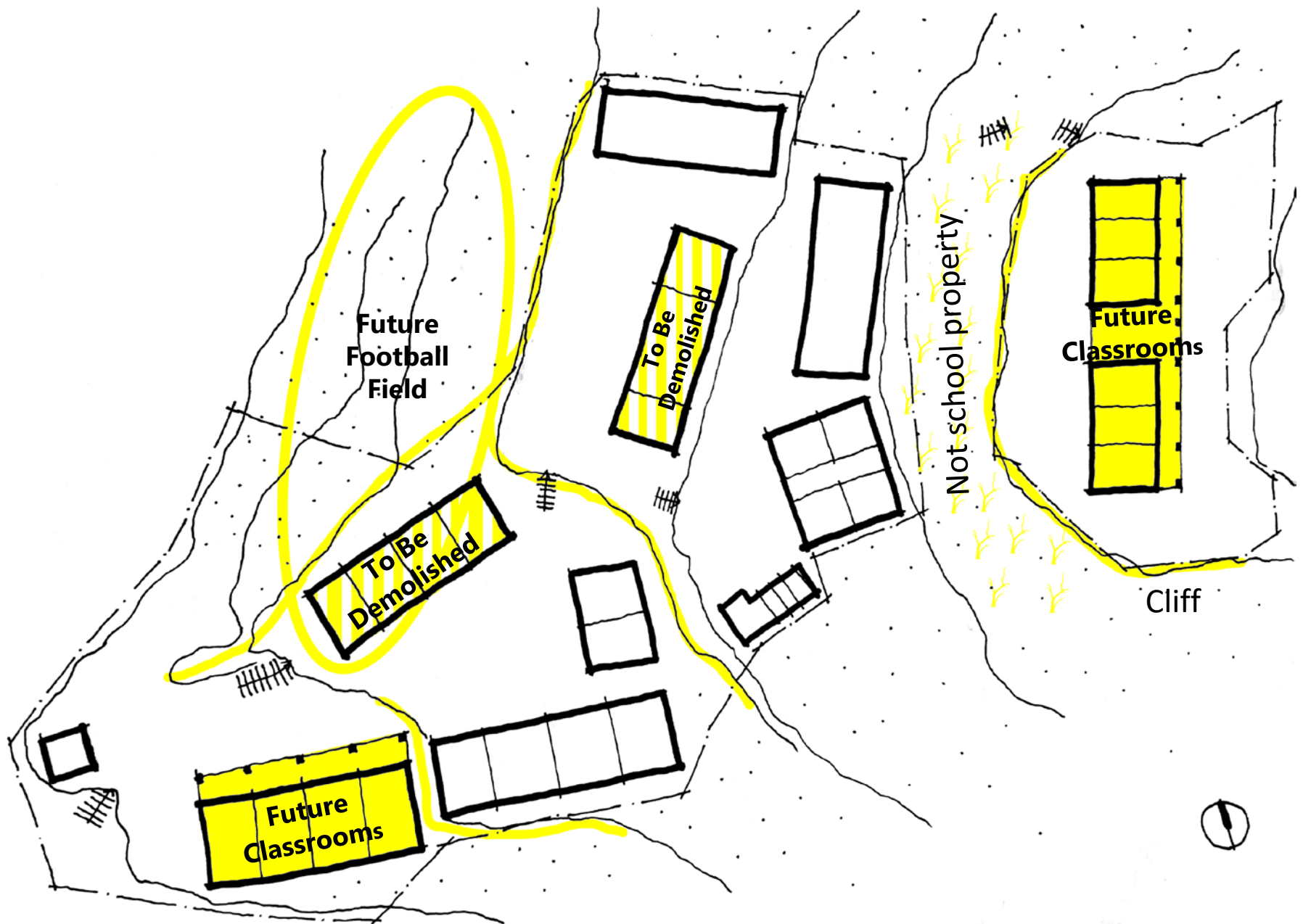


Healthabitat connecting with the school's English Club

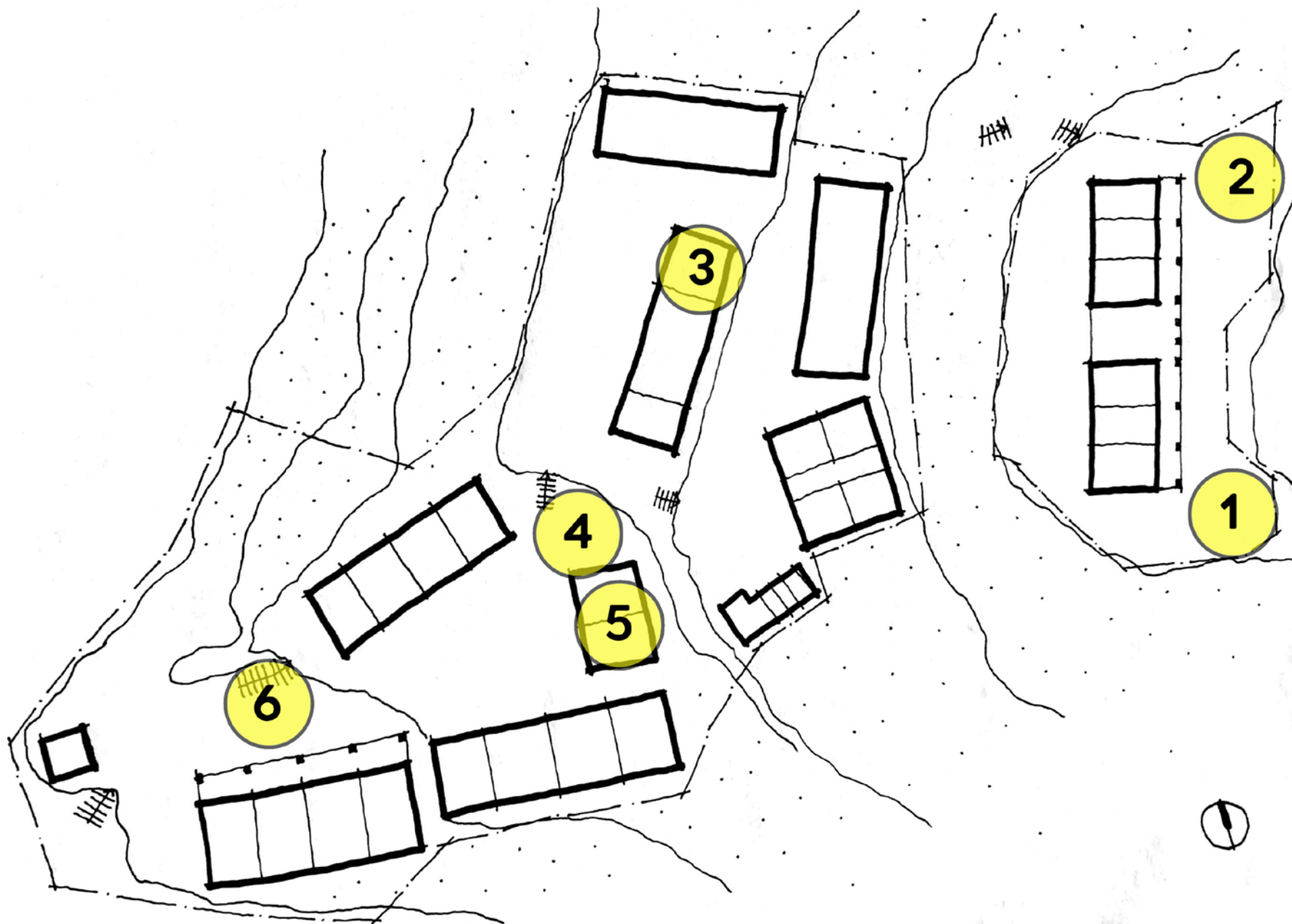
Design Development



Process

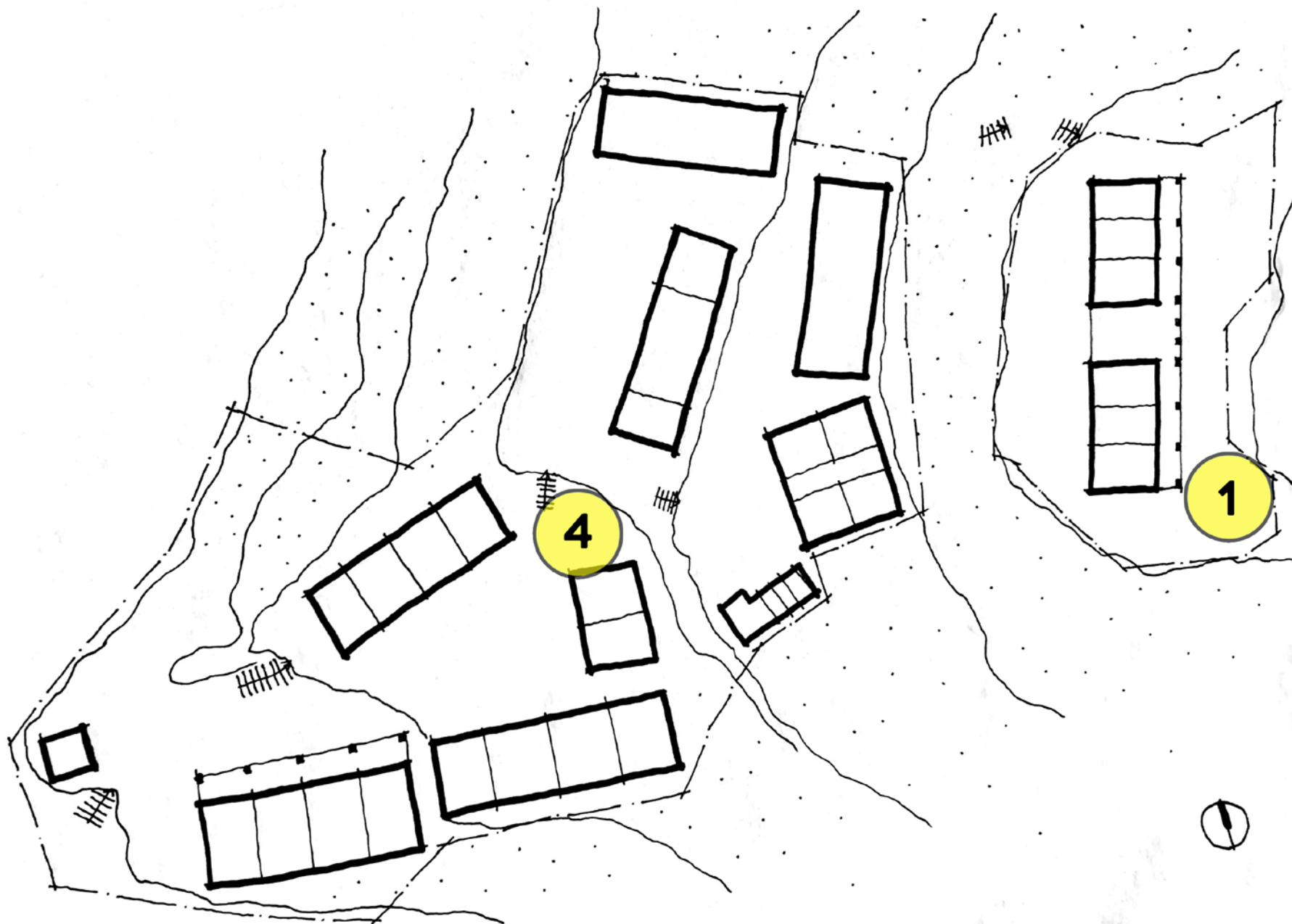


Site Analysis



Site Options

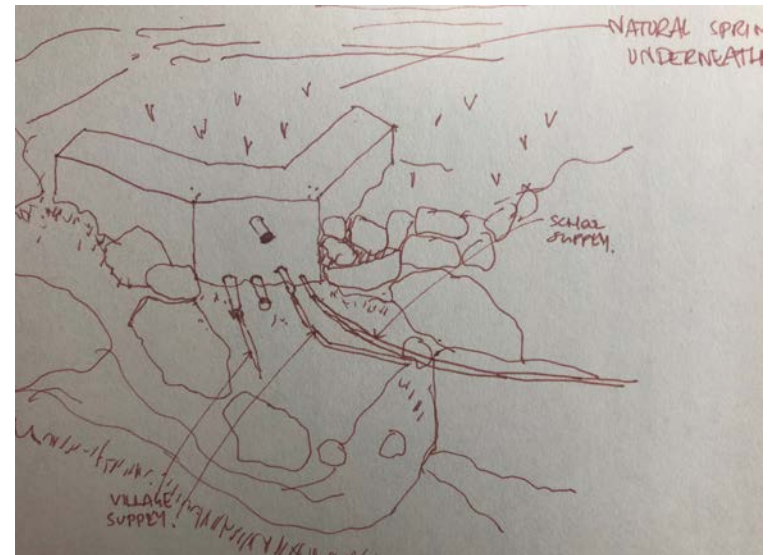
Site	Pro's	Con's
1	<ul style="list-style-type: none"> • Clear land • Minimal Excavation • Close to classrooms • Built on cut • Residual space, unlikely to be built on • South orientation • Privacy • Good supervision 	<ul style="list-style-type: none"> • Top of site, far away from main school
2	<ul style="list-style-type: none"> • Clear land • Minimal Excavation • Close to classrooms • Built on cut • Privacy 	<ul style="list-style-type: none"> • Adjacent new entry • Top of site, far away from main school • Adjacent houses • Tight site, minimal room for septic and soakage • Limited supervision
3	<ul style="list-style-type: none"> • Adjacent play space • Close to classrooms • Built on cut • Central location • Good supervision 	<ul style="list-style-type: none"> • Existing building • Potential privacy/overlooking issues
4	<ul style="list-style-type: none"> • Clear land • Adjacent play space • Close to classrooms • Built on cut • Central location • Close to stairs/paths for travel • Residual space, unlikely to be demolished • Good supervision 	<p>Potential privacy/overlooking issues</p> <p>Noise to library</p>
5	<ul style="list-style-type: none"> • Adjacent play space • Close to classrooms • Built on cut • Central location • Good supervision 	<p>Existing building</p> <p>Requires removal of library</p> <p>Noise to classrooms</p>
6	<ul style="list-style-type: none"> • Clear land • Close to new classrooms • Close to stairs/paths for travel • Residual space, unlikely to be demolished • Good supervision 	<p>Major excavation</p> <p>Separated from other junior school building</p> <p>Potential privacy issues</p> <p>Built on fill</p> <p>Close to road/public access</p> <p>Tight site, minimal room for septic and soakage</p>

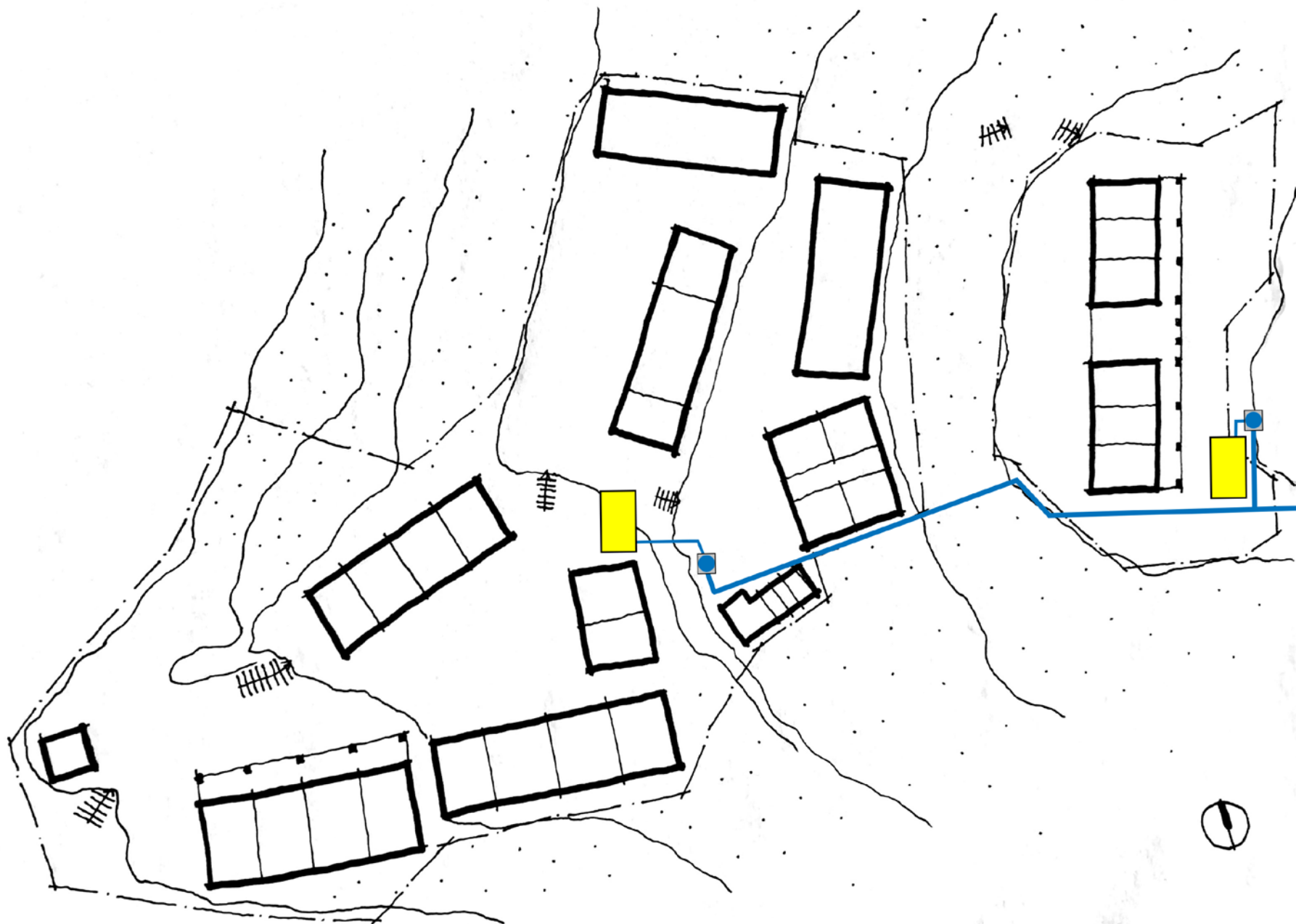


Site Selection

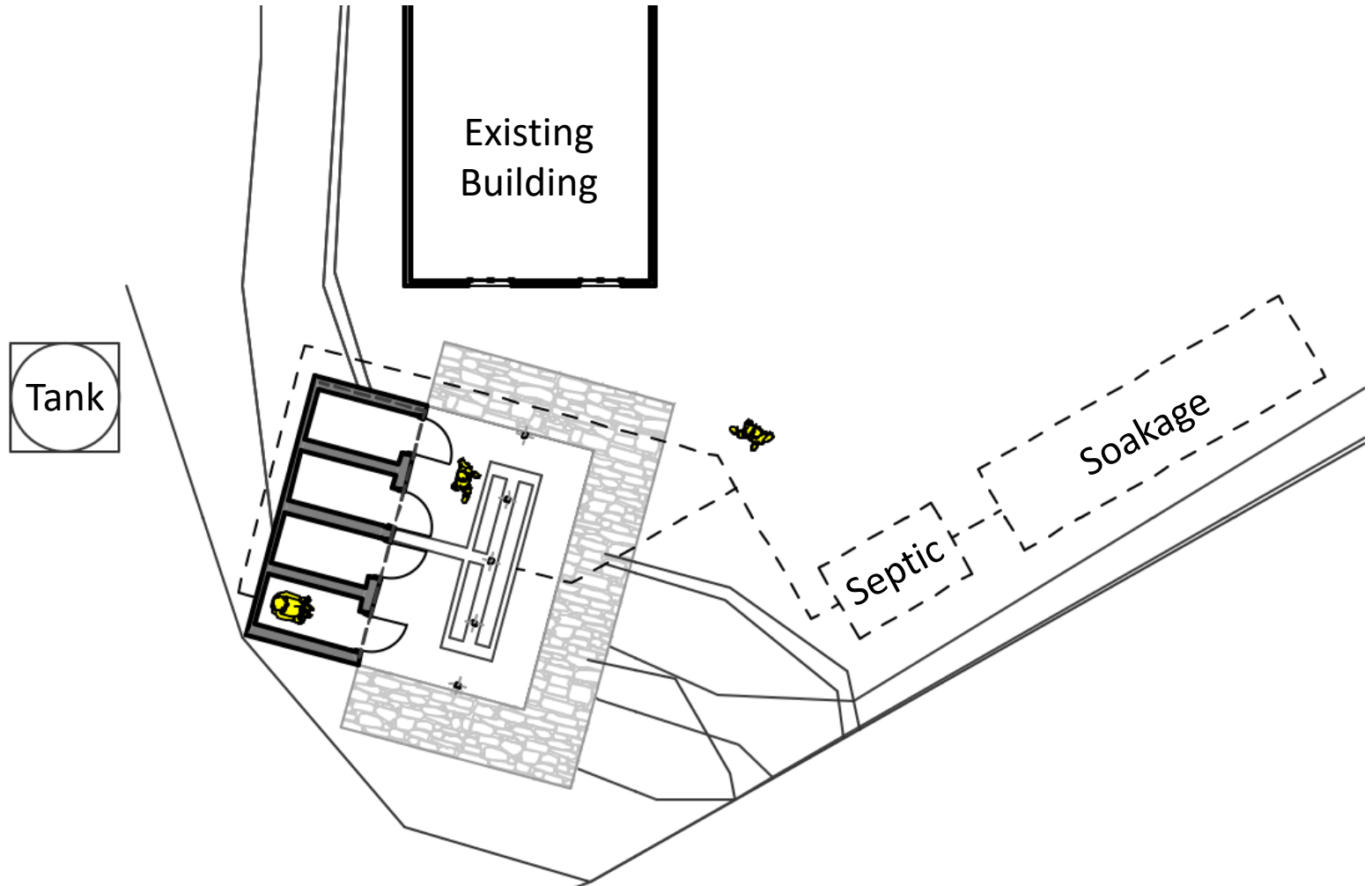


Identifying the water source

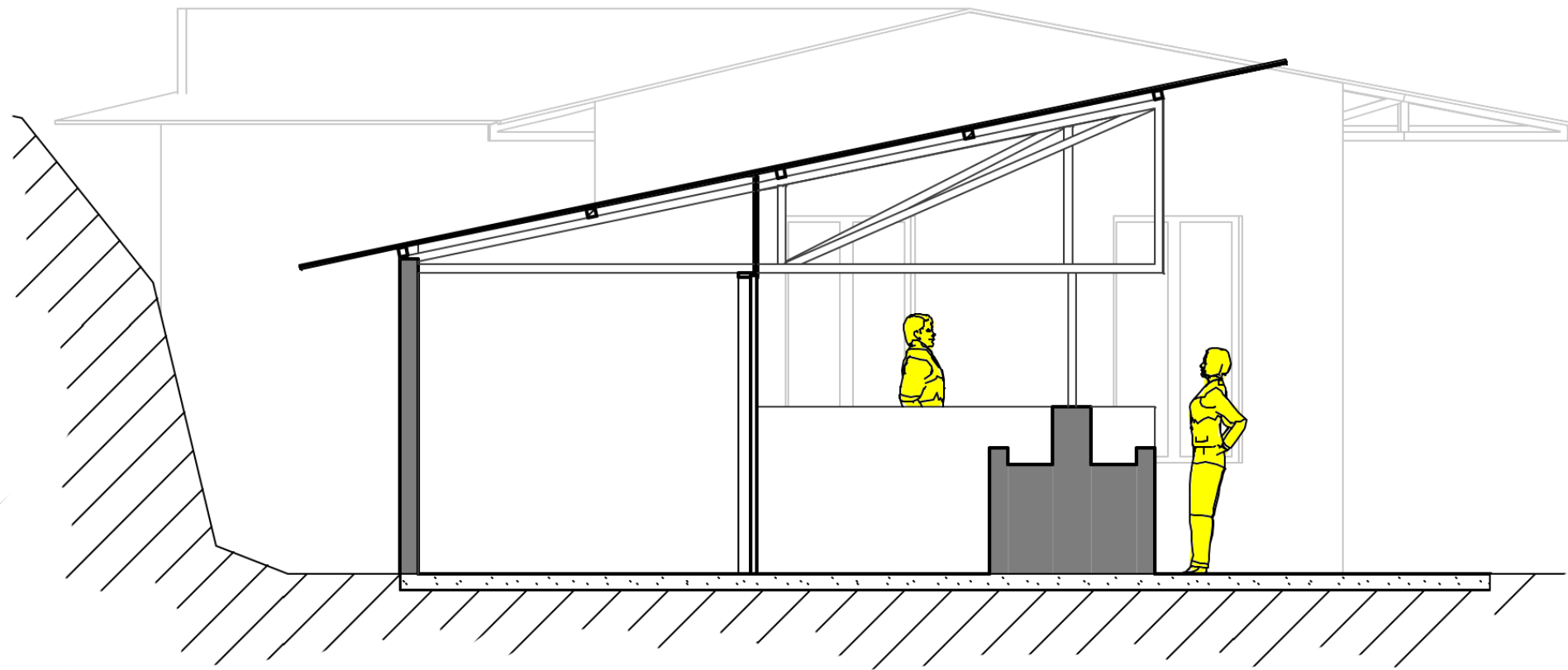




Water Supply



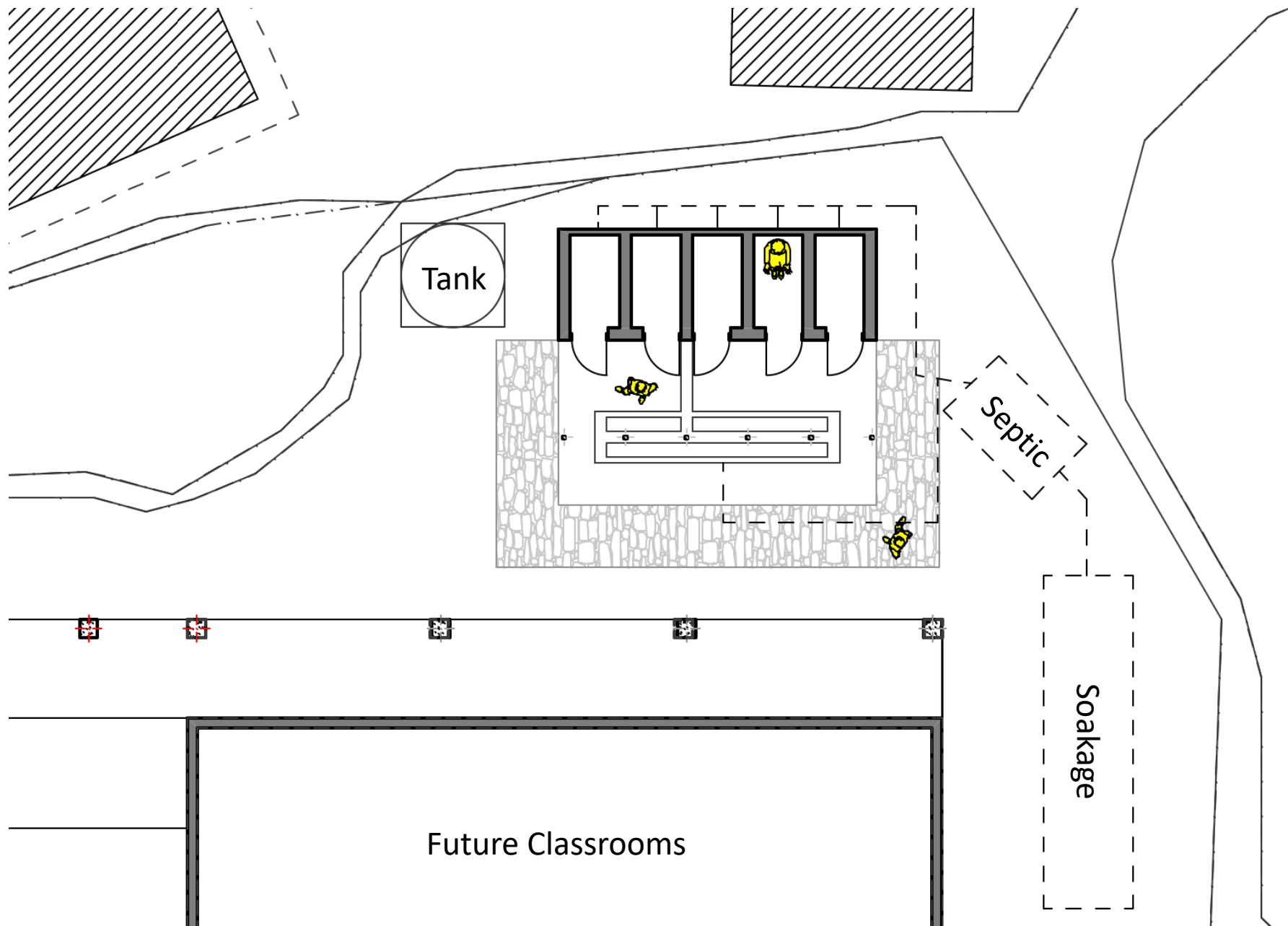
Primary toilet floor plan



Typical toilet section



Primary toilet perspective



Secondary toilet floor plan



Secondary toilet perspective

Dhanyavad!

