

**SERVICES**

1. Name the components of a water reticulation system?.....

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2. The materials water pipes are made from

Hot water .....

Cold water: .....

3. What is the standard diameter of pipes in the house?

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4. Where are the water pipes located? .....

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5. The water goes in – it must come out – what does it come out as?

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6. Unlike water which comes in by pressure sewage leaves by gravity ie it flows. What is the standard fall of a sewer pipe?

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7. What building element must be designed to avoid damage to the pipes?

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8. List items connected to sewer you can see.

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9. What must be at the end on every line? .....

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10. In the bathroom what two items are connected to the floor waste

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11. What happens if there is no town sewerage system to connect to?

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12. There water in the soil after rain behind a retaining wall – how is that removed?

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13. and where does it go to?

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14. What are the pipes of stormwater system made of and what fall are they laid to ?

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15. What is BASIX?

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16. How has it changed the way buildings are designed?

17. For next lessons building join the dots of the fitting and give a plumbing layout, locate vent. Locate water tank.

CONSTRUCTION 1 –

- Name the components of a water reticulation system? WATER MAIN  
WATER METER  
HOT AND COLD WATER PIPES, HOT WATER SERVICE, (TANK, ELECTRIC PUMP)
  
- 2. Cold water **Copper, Galvanised steel, Polyethylene, Polybutylene. PVC**  
Hot water **PRELAGGED COPPER OR Polybutylene**
  
- 3. What is the standard diameter of pipes in the house? **18mm and 12mm from HWS (pressure)**
  
- 4. Where are the water pipes located?  
**In the framing (mostly walls) can be in ceiling – less likely in floors, but could be under floors – fair bit for freedom.**
  
- 5. The water goes in – it must come out – what does it come out as?  
**Sewerage and sullage (grey water)..... env. vandalism...to use grey water**
  
- 6. What is the standard fall of a sewer pipe? **Between 1:60 and 1:20.**
  
- 7. What element must be designed to avoid damage to the pipes?  
**The footing. To form a bridge.**
  
- 8. List items connected to sewer you can see. **Vanity, floor waste, shower, sink, tub, toilet**
  
- 9. What must be at the end on every line? **A vent (e-duct)**
  
- 10. In the bathroom what two items are connected to the floor waste (**vanity and bath or vanity and shower**)
  
- 11. What happens if there is no town sewerage system to connect to? **Dispose on site – in absorption trenches, in a Worm Farm.**
  
- 12. There water in the soil after rain behind a retaining wall – how is that removed and where does it go to?  
**Agricultural line – ‘agg line’ - and goes to stormwater system.**
  
- 13. What are the pipes of stormwater system made of ? **UPVC, Untested vitrified clay with rubber joints, concrete.**  
**minimum 1:100. to 1:60. - sumps and pits for overflow.**

**Where is stormwater from? Where does it go?**