



**WE'RE HERE TO HELP!**

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License #: 894946

## Sewer report

Date	Report #
4/19/2017	03855

Name / Address

Fred Perkins

### Project

Sewer Report-1

Item	Report Description
Sewer & Drain ...	<p>Street Sewer 1 &amp; 3, 5 &amp; 7; 9, 11 &amp; 15, 16, 18 &amp; 20 Treasure Hill 1861 &amp; 1863, 1865 &amp; 1867, 1869 &amp; 1871, 1873, 1875 &amp; 1877, 1879 &amp; 1881, 1883 &amp; 1885 Grandview</p> <p>Upon inspection of the above addressed sewer laterals; Upper sewer laterals (Sewer piping from building to curb) are all in similar poor condition with root intrusion, dirt intrusion and offsets as viewed on Television monitor. These laterals are 4" clay &amp; cast iron material, of similar lengths, approx 40ft. The lower sewer laterals ( sewer piping from curb to city main sewer in street) are also in poor condition, clay material, approx 20ft in length. These laterals are functioning at this time. These laterals have no evidence of negative grade or illegal storm drain issues. These sewer laterals were accessed from each buildings exterior cleanout. There are two connections on each sewer lateral. These laterals end in the middle of Grandview and Treasure Hill. These are not a busy streets. Electrical and fiberoptic lines are underground. There are no concrete retaining walls. The depth of the city sewer connections are 7ft &amp; 11ft. It is my professional opinion that these sewer laterals be replaced. USA has not been sprayed. Note: It is difficult to tell the complete condition of a sewer lateral because of our inability to inspect the outer walls of the piping material. Depending on each sewer technicians knowledge, you can receive multiple opinions upon viewing the DVD of your sewer lateral inspection. Despite plumbers opinion, the governing city, county or sanitary district has final decisions over the condition of building sewer laterals. It is illegal in most cities for two buildings to be connected to one sewer lateral. Each parcel should have its own city main sewer connection. If this issue exists, an additional investment must be made to rectify this situation.</p> <p>General Information: Root Intrusion: Most root intrusion on clay sewer laterals are caused by installation practices at time of installation. Clay piping 18"-5' sections were butted together and mortar installed to seal joints, did not make a complete seal. Water leaks out, roots come in. At times, roots are the only element holding clay joints together. Offsets: When joints become misaligned from poor workmanship, earthquakes, or leakage at joints. When water leaks out of the piping, it washes away the supporting soil beneath it. Earthquakes and erosion add to the sewer damage. Clay piping: Clay piping in or under a structure is illegal and must be corrected. Upgrades to cast iron and plastic piping can usually correct deficiency in clay sewer piping. Who is responsible: San Francisco, Berkeley, Alameda and Albany, Homeowners are responsible for their building sewer lateral up to the curb or sidewalk. Homeowners in remaining cities in Alameda and Contra Costa</p>

Please note: Trenchless sewer replacement will not correct negative grade issues.

All recommendation for a sewer pressure test without repair or replacement does not guarantee that your sewer lateral will pass a pressure test; fully replaced sewer laterals are guaranteed compliance. DVD's are recorded upon request only; additional fees may apply.

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	<p>Counties are responsible for their sewer laterals leading all the way to city main sewer,even if city main sewer is in street. For more information please view the link <a href="http://www.ebmud.com/psl">http://www.ebmud.com/psl</a>.</p>

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 All recommendation for a sewer pressure test without repair or replacement does not guarantee that your sewer lateral will pass a pressure test; fully replaced sewer laterals are guaranteed compliance. DVD's are recorded upon request only; additional fees may apply.

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