

# Irvine Ranch Water District. Groundwater from Local Wells.

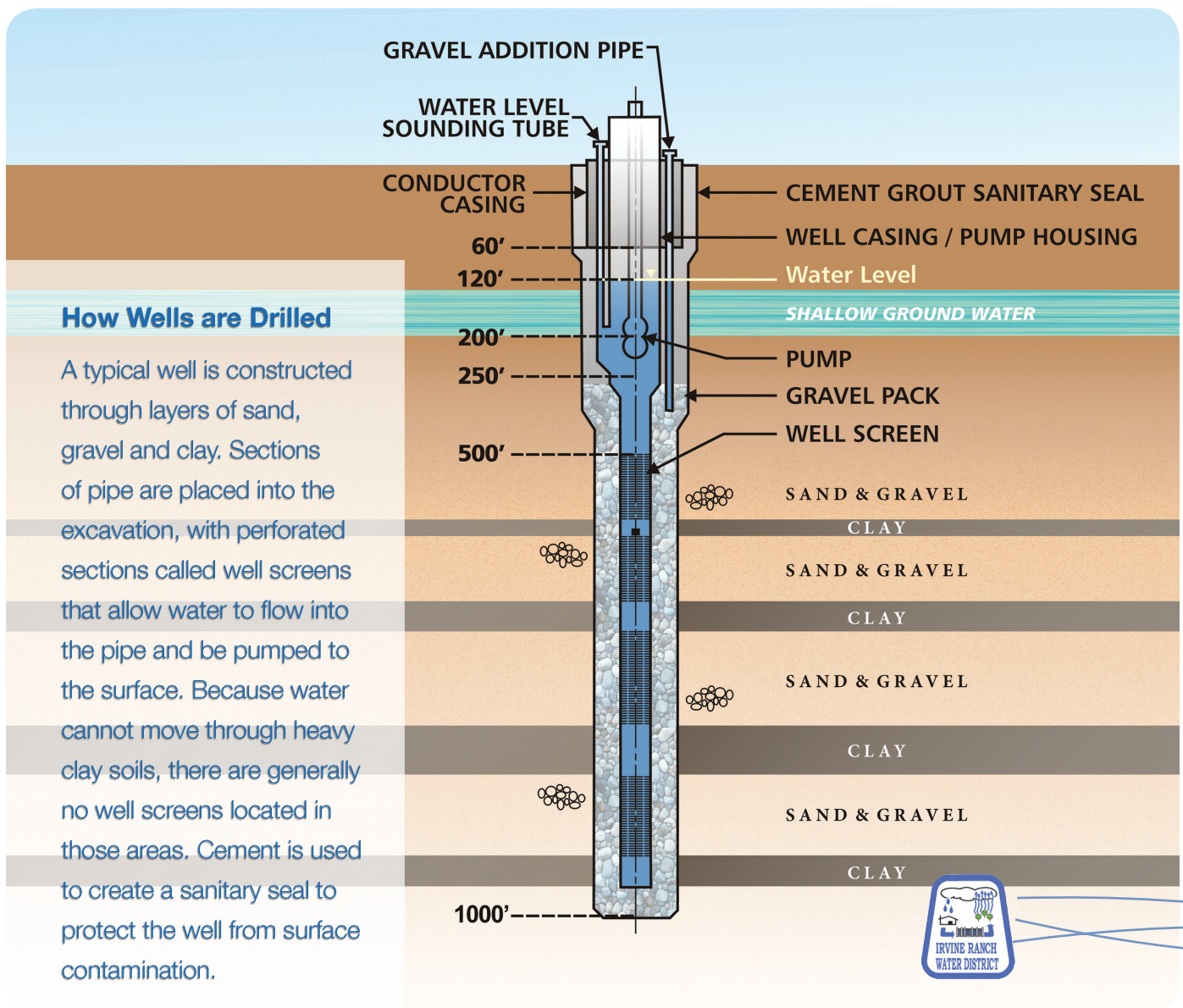
**IRWD. WELL GROUNDED IN WATER RELIABILITY.**



## Background:

Some parts of Orange County are 100 percent dependent on water from outside the region. Not so in Irvine Ranch Water District. Since the late 1970s we've been building a network of local wells to ensure reliability and reasonable costs.

Local groundwater costs less than water that travels hundreds of miles through aqueducts to reach Southern California, allowing IRWD to provide water to our customers at the lowest possible cost.



## Drilling Process:



1 The sound curtains erected around a drilling site help buffer drilling noises and mask the drilling in progress for nearby residents and businesses.



2

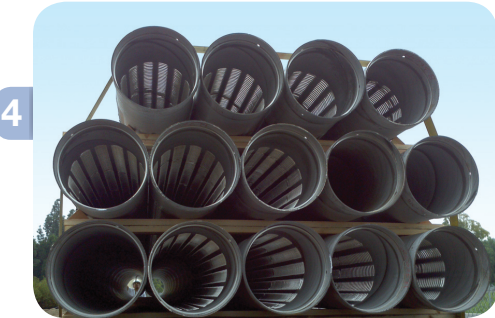


In preparation for borehole drilling, the bucket auger drill is attached to a drill rig.



3

A crane is used to lower the conductor casing into a newly-drilled borehole. This casing will stabilize the borehole.



4

These louvered well casings (vertical pipes) are screened to allow water to enter at the well's groundwater production zones.



5

Submersible well pump before installation.



7

Most residents would be surprised to learn that this corner green belt area is the site of a rehabilitated well that currently supplies recycled water.



6

Drill cuttings (soil samples) used to classify the types of soil found at various depths of the well.



8

The motor control center of Well 78 is housed in this cabinet, inconspicuously located behind a residential shopping area in Irvine.



For more information:  
Please visit: [www.irwd.com](http://www.irwd.com)  
Call us: (949) 453-5500