

Source Water Protection Managing Land Use to Protect Drinking Water

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Source Water Protection

What's Involved?
What Information Do We Need?

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Source Water Protection

Local Geology
Aquifer Characteristics
Groundwater Flow Info
Water Use

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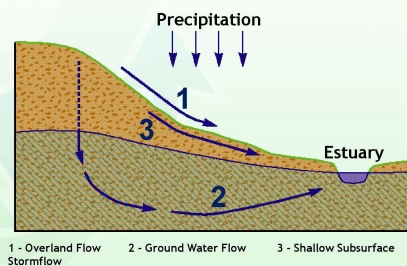
Source Water Protection

Potential Contamination Sources
Protection Strategies -
Regulatory and Non-Regulatory

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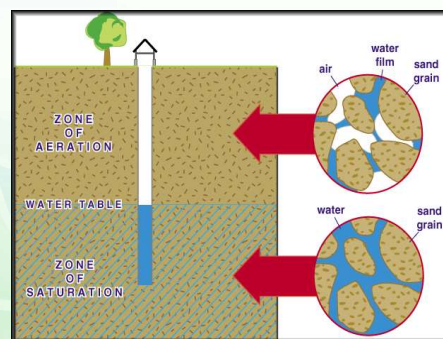
Paths of Water Flow Within Watershed



1 - Overland Flow Stormflow 2 - Ground Water Flow 3 - Shallow Subsurface

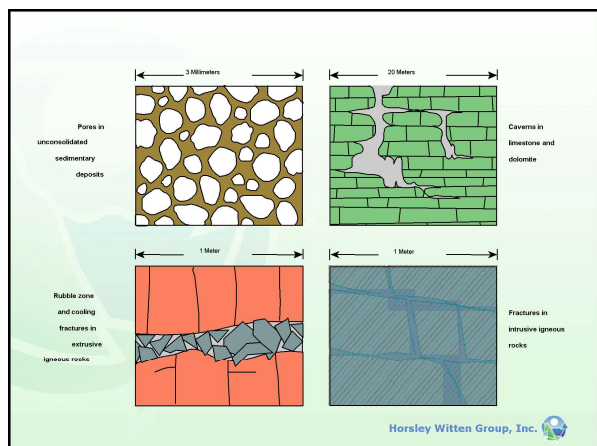
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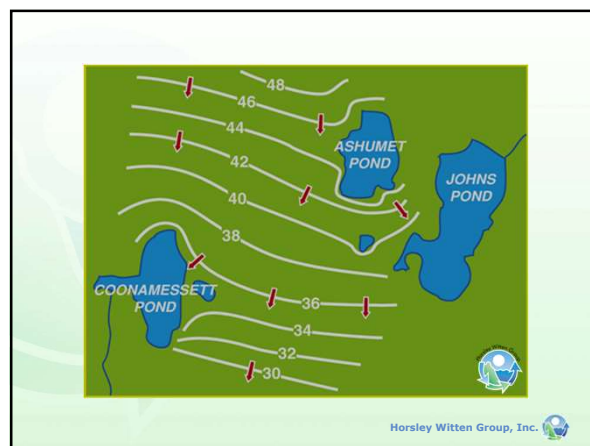


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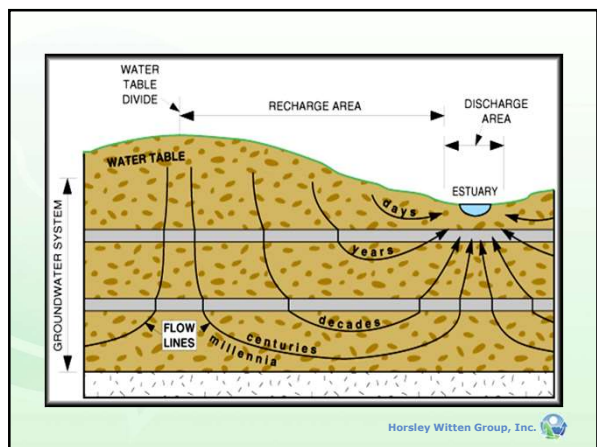
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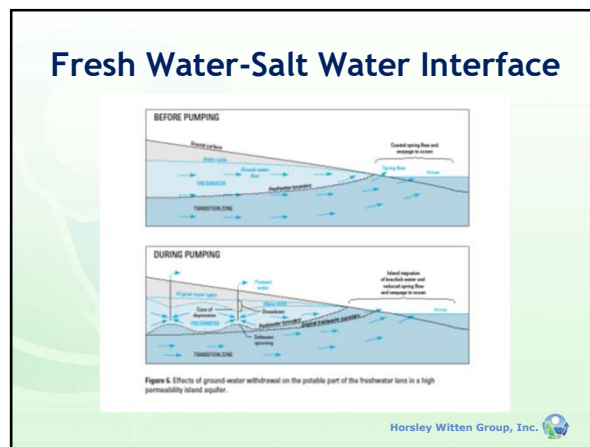
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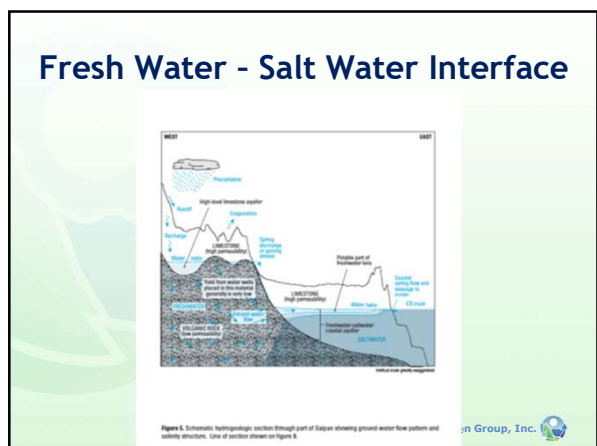
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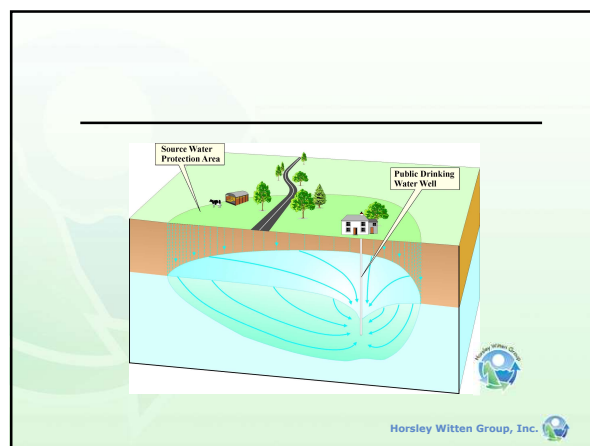
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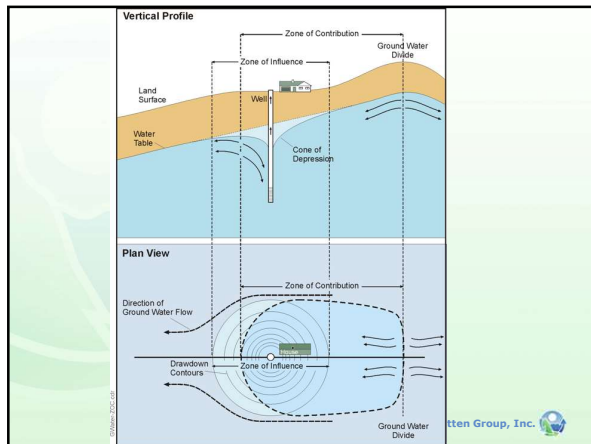
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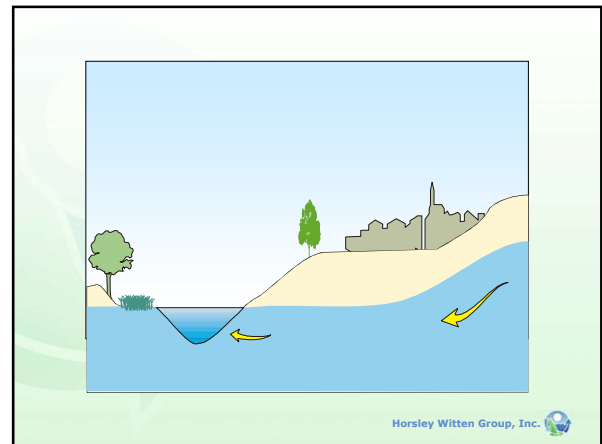
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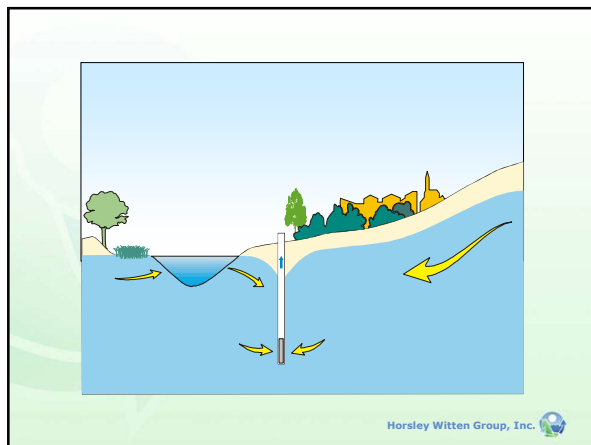
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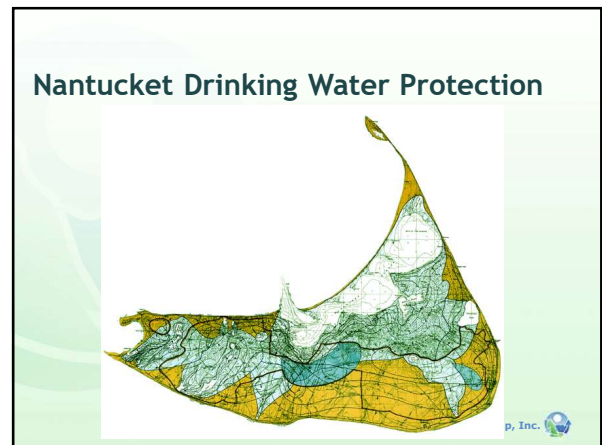
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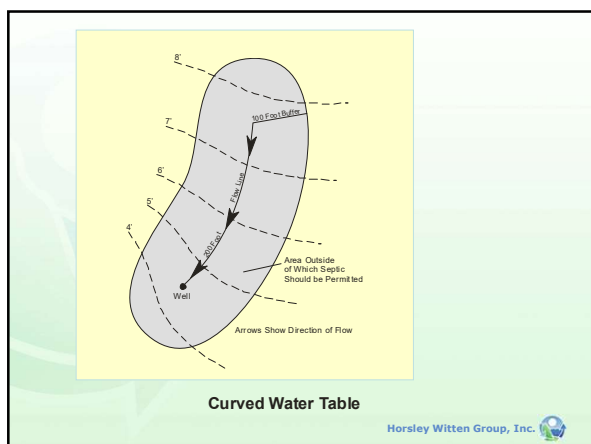
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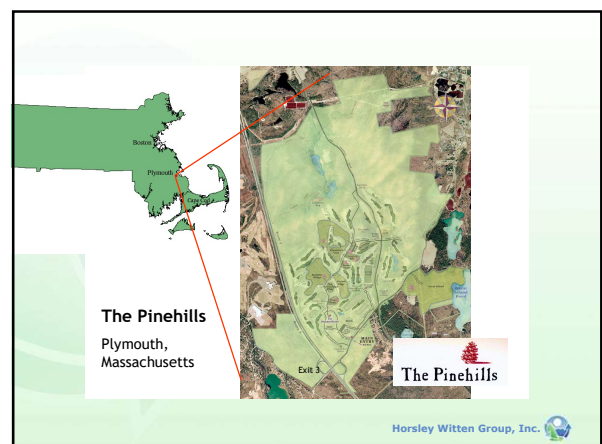
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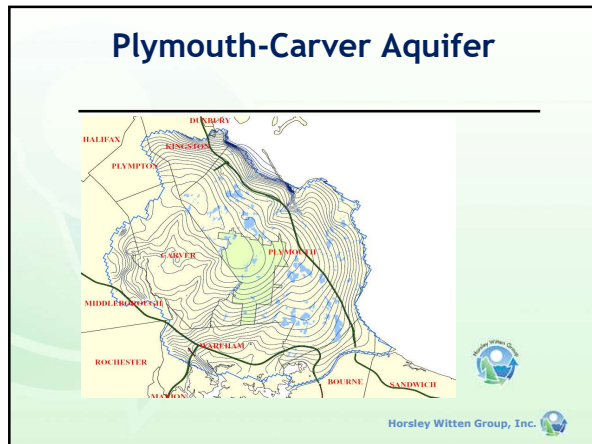
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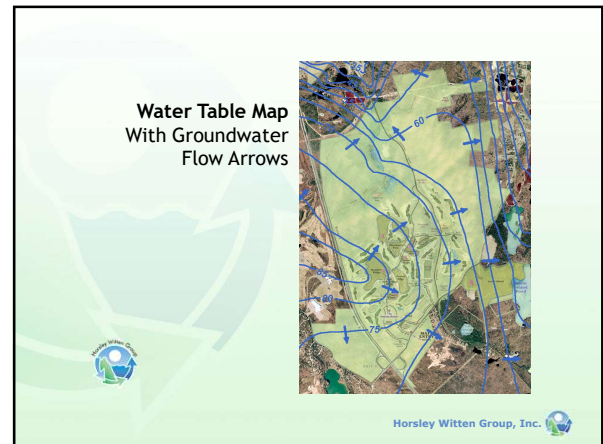
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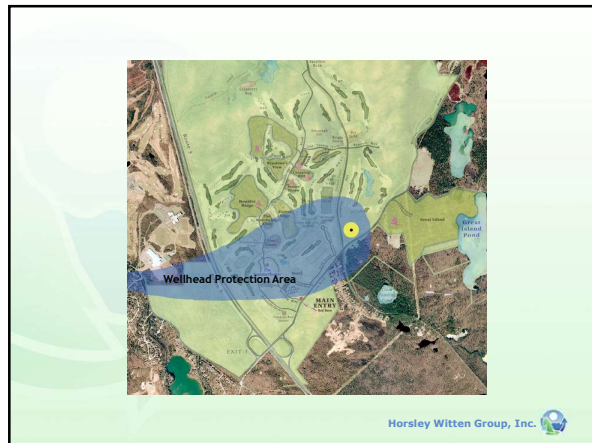
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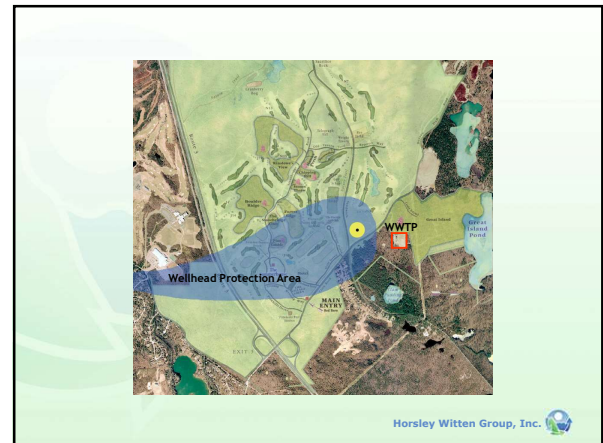
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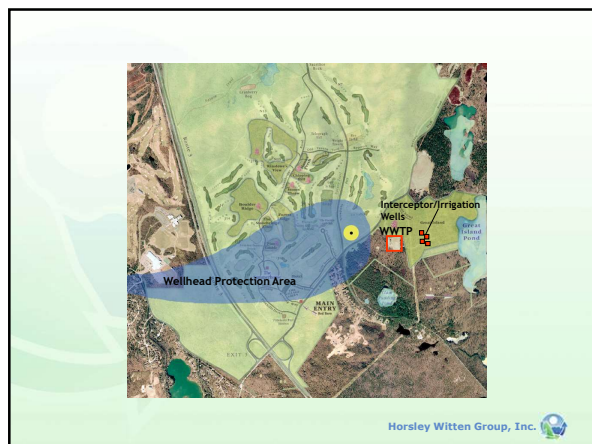
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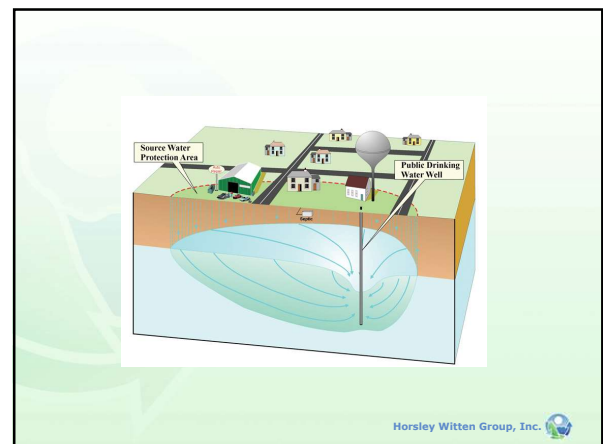
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Potential Contamination Sources

What land uses pose the biggest threat to your drinking water quality?

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Potential Contamination Sources

List Threats

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Managing Threats to Drinking Water

How do we reduce or eliminate contaminants entering our drinking water?

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Managing Threats to Drinking Water

List of Land Use Management Techniques

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Low Impact Design



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Does this Protect Drinking Water?



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How About This?



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Or This?



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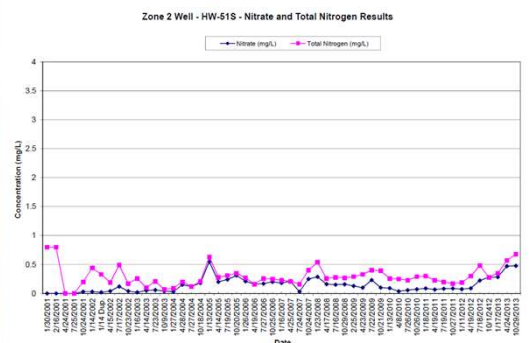
What Low Impact Site Design Provides

- Conservation of natural hydrology, trees, vegetation
- Minimized impervious surfaces
- Dispersal of stormwater runoff
- Preservation/Enhancement of Groundwater Recharge

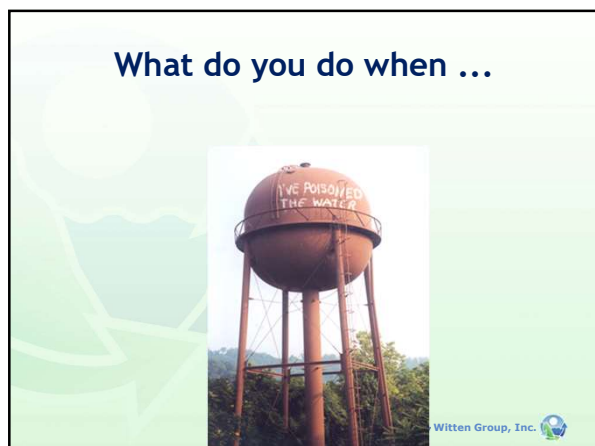
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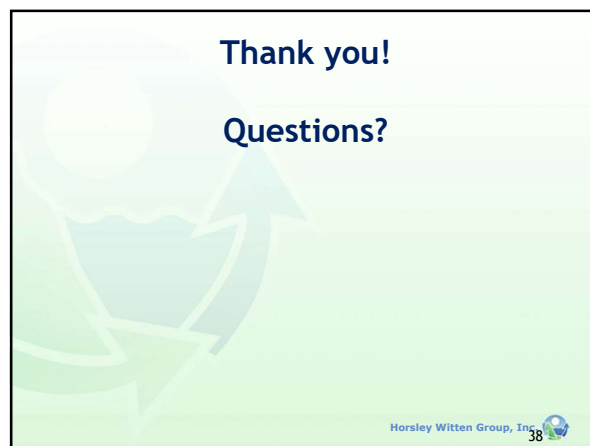
PINEHILLS DRINKING WATER QUALITY



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