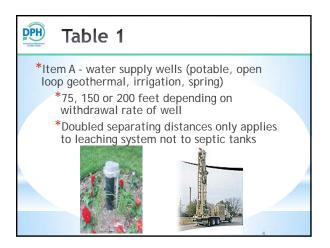
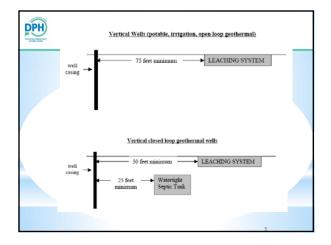


Item	Distance (Feet)	Special Provisions
A. Water supply well (potable, open loop geothermal, irrigation, spring) with a required withdrawal rate in gallons per minate (GPM) : < 10 GPM 10 to 50 GPM > 50 GPM	75 150 200	Distance from a water supply well to a leading system shall be dashed if the receiving soil precolation size is faster than 10 arisest per such and the bostom of the leading system is how how for above hidge and.
B. Building served	10	See Item G for buildings with groundwater control drains.
C. Open watercourse	50	For lots in existence prior to 816/82 that are not on a public water supply watershed, the distance shall be reduced to not less than 25 feet. In coastal areas, the Coastal Jurisdiction Line shall be considered the open watercoarse limit, atleas site specific information to his thick elevations on a recentry stablishes the open watercoarse limit.
D. Public water supply reservoir	100	
E. Solid piping for the conveyance of surface or groundwater drainage	25	Distance to tight pipe (See Table 3) shall be reduced to 5 feet as long as the pipe excavation is not backfilled with free draining material (FDM).
F. Storm water structure (e.g., catch basins, manholes)	25	Distance to sewage tank shall be reduced to 10 feet if storm water structure is waterlight and constructed with rubber joint seals and waterlight pipe connection seals (e.g., ASTMC 923). Sherm water succursus shall not be designed to coeffect pronadwater (See Item G).
G. Groundwater drain (e.g., curtain, foundation, sumps) Up-gradient or on sides Down-gradient	25 50 <sup>(2)</sup>	No drain shall be constructed near a sewage system for the purpose of collecting partly treated sewage regardless of the distance. 1. Distance to sewage task shall be reduced to 25 feet if task is verified to be watertight.
H. Stoem water infiltration system (SWIS) Single-family residential building lots Other lots (e.g., commercial, multi-family)	50 <sup>(2)</sup> 75 <sup>(2)(3)</sup>	Datasea del la relación 25 fette tesequenda. En Distance a del la relación 26 fette to activida y prime 11 M.S.S. i not applicable or de SWE is not appendient al subsequindade. Distances may le fatterir relación 10 fetter fat main 2018 (s.g., mina partina) visit de appendie main EGO (El Dissances may le fatterir relación 10 fetter fat main 2018) (s.g., mina partina) visit main esta COLI (Samanuella esta de la subsequencia de la sub-appendie de la sub- nta de la subsequencia de la subsequencia de la subsequencia de la sub- esta de la subsequencia de las calcular parte de la subsequencia de la subsequencia de la sub- sequencia de la subsequencia de las calcular parte de la subsequencia de la sub- da de la subsequencia de las calcular parte de la main de la subsequencia de la
<ol> <li>Top of enbankment (i.e., fill package around perimeter of leaching system)</li> </ol>	10	See Figure 13. Distance does not apply to sewage tank.
J. Property line Up-gradient and on sides Down-gradient	15 <sup>(1)</sup> 25 <sup>(2)</sup>	Distance to swape taik and reserve backing areas shall be reduced to 10 feet. I. Distance shall be reduced to 10 feet if the off the lacking system is below original grade, guoding rights from affected property owner are scenario, or retaining walls are utilized (See Section VIII. Afer retaining wall provisions). 2. Separating distance betwere the leaching system and down gradient property lise shall be reduced to 15 feet if MLS is not applicable e on filt groundwater table loss; further reduction may be allowed as cited in formate 1 if effect conditions reist.
K. Water Piping Pressure (e.g., potable, irrigation) Water supply saction	10 <sup>(7)</sup> 75 <sup>(2)</sup>	<ol> <li>Water line trench excavations less than 25 feet from leaching system shall not be backfilled with FDM.</li> <li>Distance between water saction pipe and sewage tank shall be reduced to 25 feet if tank is verified to be wateright.</li> </ol>
L. Below ground swimming pool	25	See Item G for down-gradient pools with groundwater control drains.
M. Above ground swimming pool	10	Includes hot tabs (except on decks).
N. Accessory structure	10	Distance to structure without full-wall, frost protected footings shall be reduced to 5 feet.





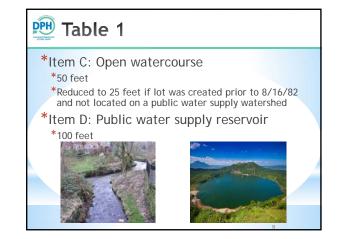




\*Item B: Building served

- \*10 feet from buildings not equipped with ground water control drains (foundation drain)
- \*Includes sewage tanks and leaching system





### 편 Table 1

\*Item E: Solid pipe for the conveyance of surface or groundwater drainage

\*25 feet

\*Pipe can be installed as close as 5 feet if tight pipe with rubber gasketed joints selected from Table 3 (not backfilled with free draining material)





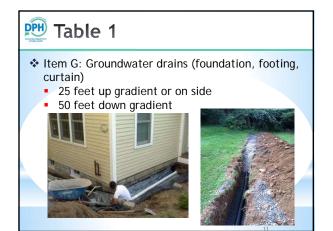
\*Item F: Storm water structure (e.g. catch basins)

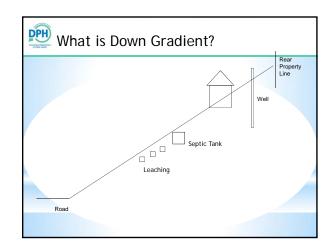
#### \*25 feet

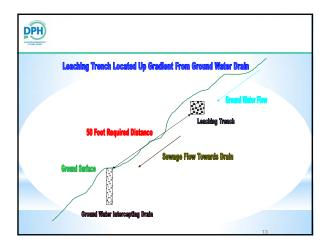
<sup>\*</sup>Distance shall be reduced to 10 feet to sewage tank if watertight and constructed with rubber joint seals (e.g. ASTM C 923)

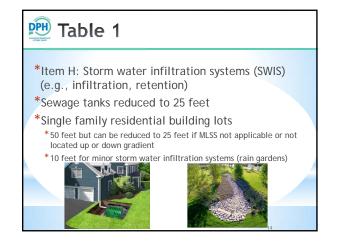
Shall not be designed to collect groundwater



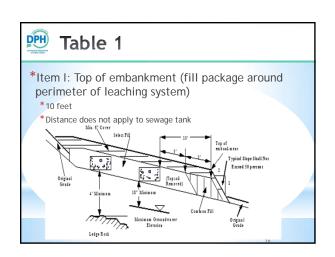








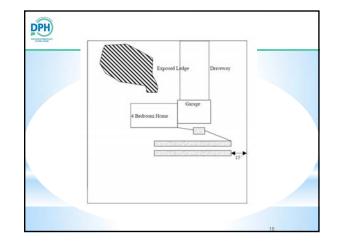
# Table 1 \*Item H: SWIS - Other lots (e.g., commercial, multifamily) \*75 feet but can be reduced to 50 feet if MLSS not applicable or not located up or down gradient \*Local director of health may further increase distances if localized groundwater mounding is a concern

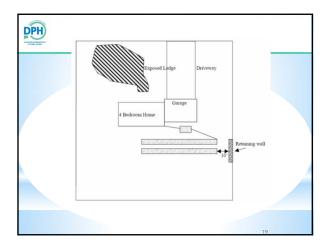


## 🕂 Table 1

#### \*Item J: Property Line

- \*15 feet to up gradient and side property lines
- \*Reduced to 10 feet if leaching system is below original grade or grading rights from affected property owner are secured or retaining walls are utilized (when leaching system in select fill)
- \*25 feet to down gradient property lines when MLSS is applicable





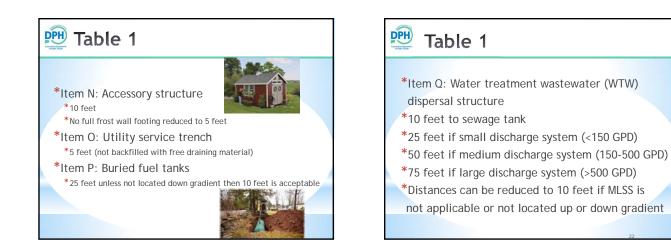


Item K: Water piping (e.g., potable or irrigation)

- \*10 feet (no backfilling with free draining material)
- \*75 feet to water supply suction pipe (25 feet to sewage tank if verified watertight)
- Item L: Below ground swimming pool
- \*25 feet (if pool equipped with subsurface drain and is down gradient see item G)

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Item M: Above ground pool and hot tubs (except on decks)
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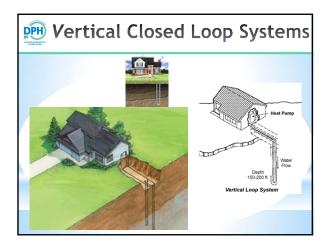
# 👮 Table 1

\*Item R: (Closed loop Geothermal Systems)

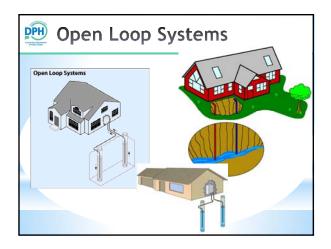
- \*50 feet to bore hole & trench unless not located down gradient then 25 feet is acceptable
- \*10 feet to geothermal piping to bore hole / trench
- \*Distance to sewage tank shall be reduced to 25 feet

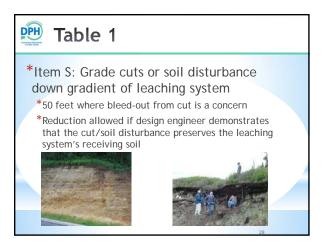
\*Geothermal piping excavations shall not be backfilled with free draining material if located less than 25 feet to sewage disposal system

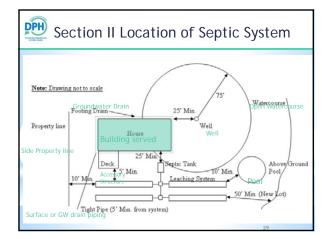


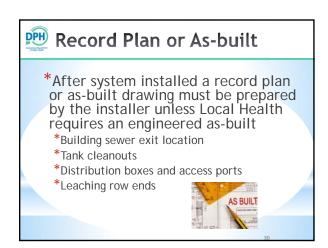


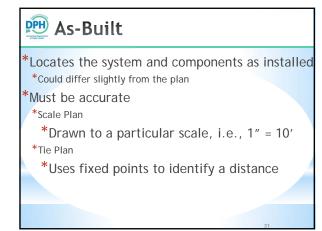


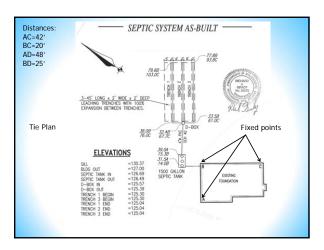


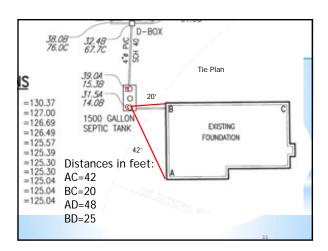


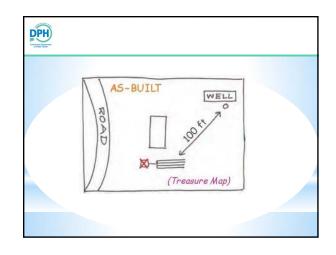






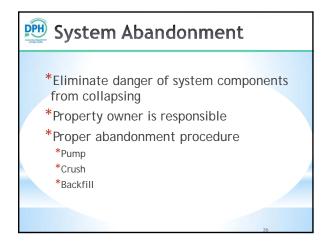






# 🕂 Plan Adherence

- \*The licensed installer is responsible for installing the system in accordance with the approved plan
- \*Any deviations from approved plan due to unforeseen site conditions must be reported by the licensed installer to the local health department and, if applicable, the design engineer



## 🕮 Benchmarks



- \*A point of reference for a measurement
- \*Usually set by the engineer in a permanent location such as the top of a catch basin or building foundation (nail in tree is not recommended)
- \*Plans prepared by a Professional Engineer must have vertical and horizontal controls
- \*Field staking is acceptable
- \*Plans must have accurate topography

The following pictures (and a few others in the presentation) have been provided by Andrew Colman of Wastewater Services.



An extensive photo gallery can be found on their website.

http://www.wastewaterllc.com





















