#### 2024 PDDC Plant Disease Talks

#### Plant Disease Management by Design

Preventing Plant Disease Problems
During the Landscape Design Process

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#### **Plant Disease Management by Design**

**Observations** 

- Potential disease issues abound in landscape settings
- Some issues develop soon after planting; others take years to manifest
- Some issues are preventable
- More sustainable landscapes are possible





#### Plant Disease Management by Design What to Consider

- Site Evaluation
- Plant Selection
- Plant Installation
- Post-Installation Care









#### Plant Disease Management by Design Site Evaluation

· Check for a history of severe diseases.











## Plant Disease Management by Design Site Evaluation

· Learn the cropping history of the site.









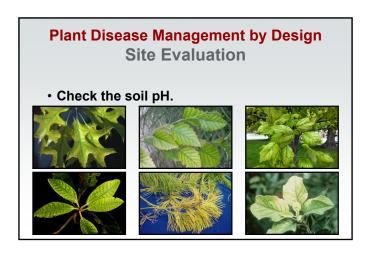
#### Plant Disease Management by Design Site Evaluation

· Check for any topological oddities.





# Plant Disease Management by Design Site Evaluation • Evaluate soil characteristics.











## Plant Disease Management by Design Plant Selection • Consider using resistant varieties.











## Plant Disease Management by Design Plant Selection

· Avoid problematic plant pairings.













## Plant Disease Management by Design Plant Selection

• Plant small.



vs.



## Plant Disease Management by Design Plant Selection

• Use bare root woody plants if possible.







## Plant Disease Management by Design Plant Installation

· Site plants properly.









#### Plant Disease Management by Design Plant Installation

· Optimize plant spacing.







#### Plant Disease Management by Design Plant Installation

Modify soil as needed.







## Plant Disease Management by Design Plant Installation • Prepare plants properly for planting.











#### Plant Disease Management by Design

**Post-Installation Care** 

· Control weeds.













#### Plant Disease Management by Design

**Post-Installation Care** 

· Have a good yearly clean up plan.







## Plant Disease Management by Design Putting It All Together

- Disease issues can be common and sometimes serious in landscape settings
- Many diseases can be addressed during the design process, yielding more sustainable landscapes
- DO NOT expect perfection
- Design to so that clients enjoy their landscapes (including the diseases)

## Plant Disease Management by Design Where to Go for Help

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