

**DRAFT SCRIPT OUTLINE: IWAC IRRIGATION
DESIGN STANDARDS VIDEO**

DRAFT 1

4/10/18



| VIDEO – SHOTS AND GRAPHICS | LENGTH | AUDIO – <i>conceptual outline only</i> |
|---|---------------|---|
| Image of irrigation sprinkler on center pivot and in lawn. Sound of a Rain-bird (pivot sprinkler) | | Irrigation, we all like lush green lawns and beautiful flower gardens, |
| Present data graph of municipalities pumping and the seasonal increase. Months on x axis Millions of gallons on y axis | | ... but how much of the water we use on our lawns and gardens is really needed? |
| Cut away graphic showing a plant and the root zone. Irrigation past the root zone. | | Debunk the standard of 1 inch of water per week. Factors that determine the amount of water needed: |
| Images of different soil types and water transport/retention | | <ul style="list-style-type: none"> • Soil quality: sandy, clay or removed top soil |
| Images showing plants and lawns in different locations/weather conditions | | <ul style="list-style-type: none"> • Micro climates, wind and sun exposure all affect water use. |
| Image comparing shallow and deep root zones | | Compare watering every day vs watering less often but for longer periods. Deeper root zone. |
| Images of changing climate start to end of irrigation season. Sprinklers running in the rain. Sprinklers watering hard scape. | | Problem: Irrigation systems set once and no seasonal adjustments. |
| Images of technology: smart sensors, | | Solution: Moisture sensors, learn to adjust controllers |
| Images from drought areas like CA and AZ. Houses with no lawn. | | |
| Comparison photos of past open farming land and current housing developments in Rathdrum Prairie, Liberty Lake, Spokane Valley. | | Rate Increases as more water is used. |
| Graphs showing rate of new home development | | |

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| Images of maintenance, not watering hardscapes, repairing broken sprinkler heads | | Water quality: stormwater contaminants, fertilizer. What can you do? |
| Image of adding amendments and aeration | | improve soil quality with aeration and amendments |
| Image: homeowner or lawn maintenance company setting timer | | controllers: setting timers, establishing lawn vs maintenance adjust when plants acclimate |
| How do we show evaporation? | | Do not water in the heat of the day (10:00 am and 6:00 pm) |
| Broken sprinkler heads in early morning or late at night with no one around. | | observe the sprinkling cycle while on to be sure it is watering properly |
| Image replacing fine mist sprinkler heads with rotator | | retrofit sprinkler heads with efficient rotators |
| Images of area lakes and rivers. Drinking water. | | Protect water quality, Keep harmful contaminants like fertilizer and herbicides of our drinking water. |
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