

# HBDIC Recharge Project Site

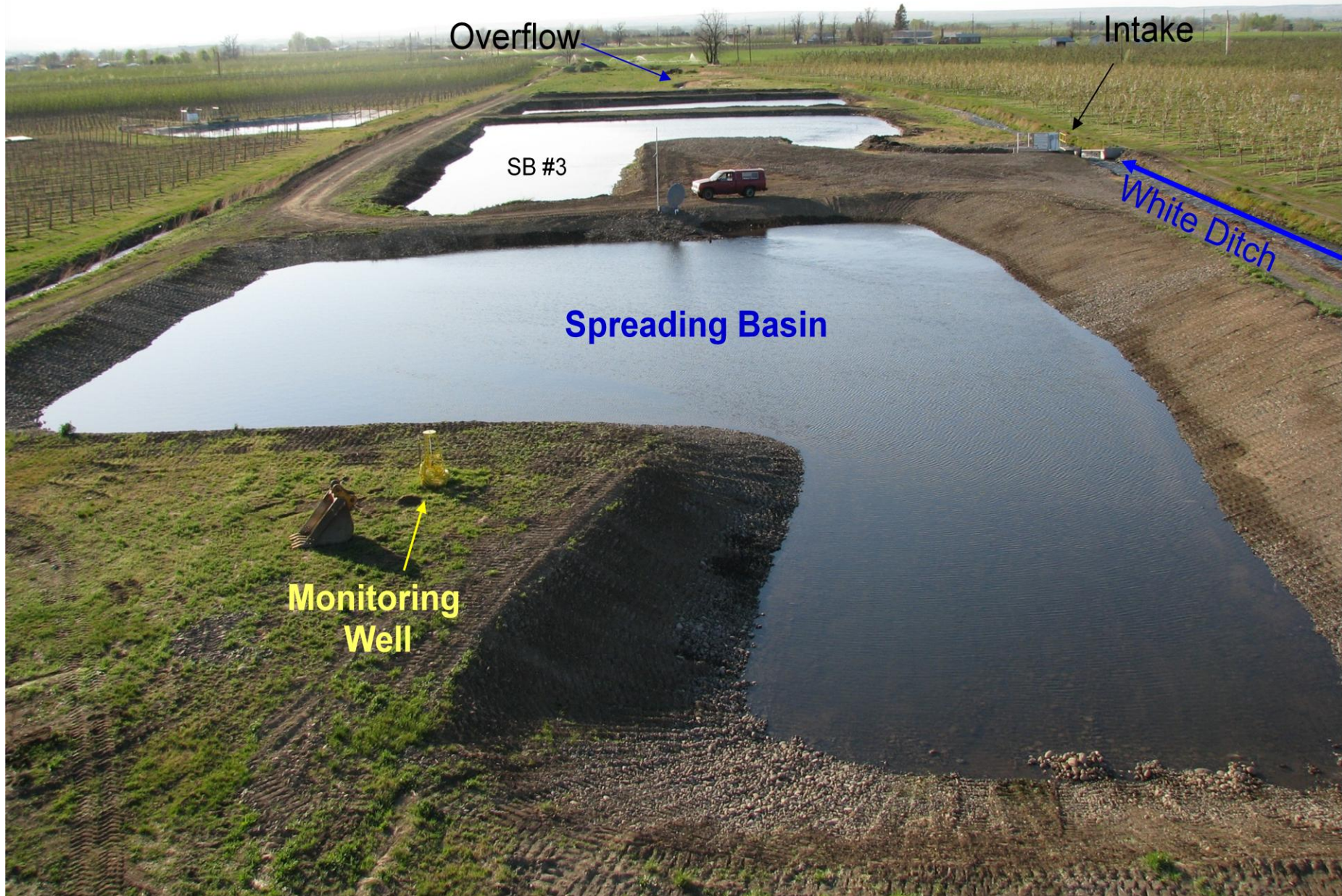
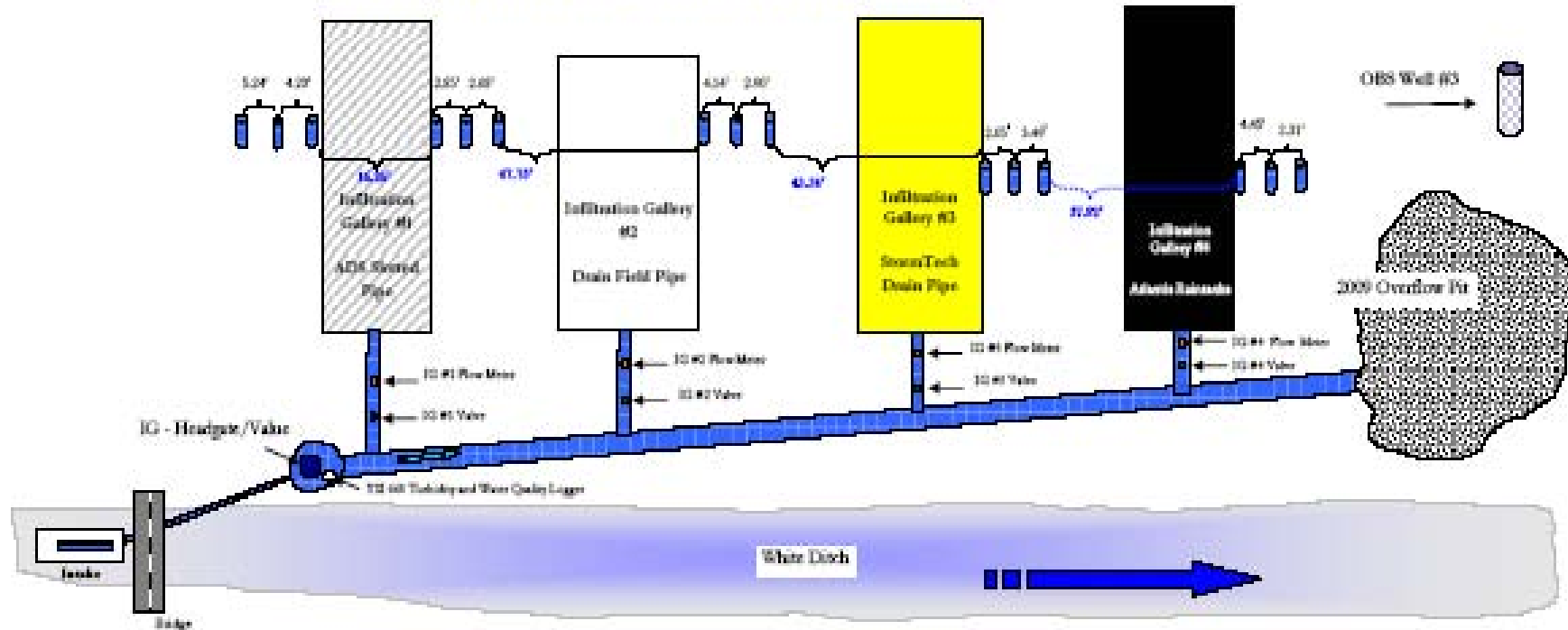


Figure 12



### HBDIC Infiltration Gallery Testing Site Map



*During the 2008-2009 Recharge Season, infiltration galleries are being tested at the HBDIC Recharge site, near Milton-Freewater Oregon. Preliminary testing results indicate infiltration galleries are viable recharge mechanism for areas where spreading basins are not feasible. A combination of all methods will be assessed during the design and siting phase of this program.*



# Infiltration Gallery Instrumentation



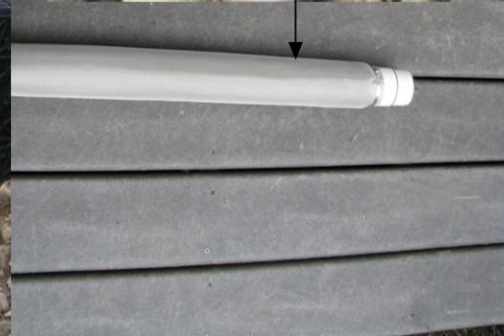
Intake Flow meter



Atlantis Raintanks

Cable: Insitu LT100 Pressure Transducer

Intake pipe with valve and flow meter



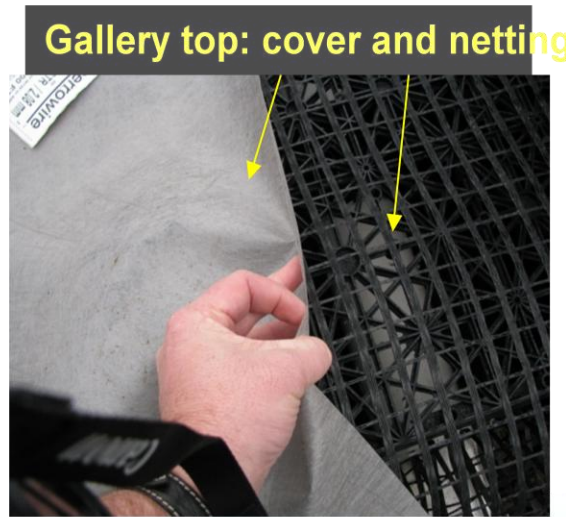
Piezometer: water levels and quality



# Infiltration Galleries: *Atlantis® D-Raintank® Tank Module*



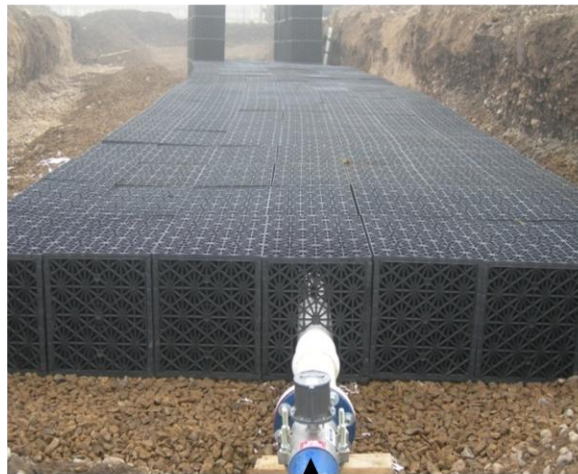
Raintanks being deployed



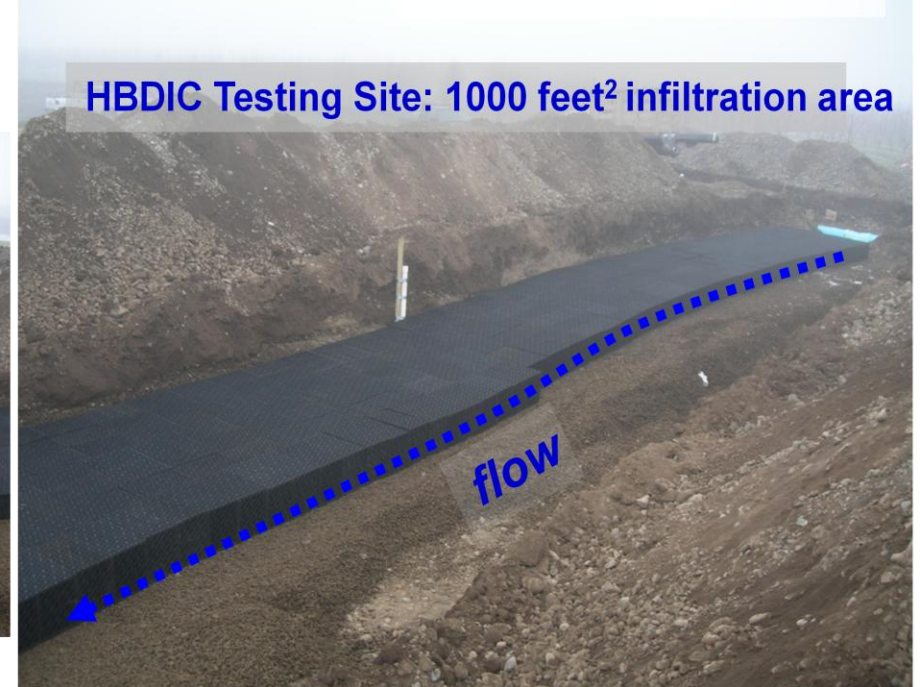
Gallery top: cover and netting



Backfill: native materials



Intake: Valve and metered



HBDIC Testing Site: 1000 feet<sup>2</sup> infiltration area

flow



# ADS Slotted Pipe



ADS Slotted Pipe Installation



# StormTech Drain Pipe



StormTech Drain Pipe Installation



Figure 16



## Infiltration Gallery: *Stormtech* SC-740™ Chamber

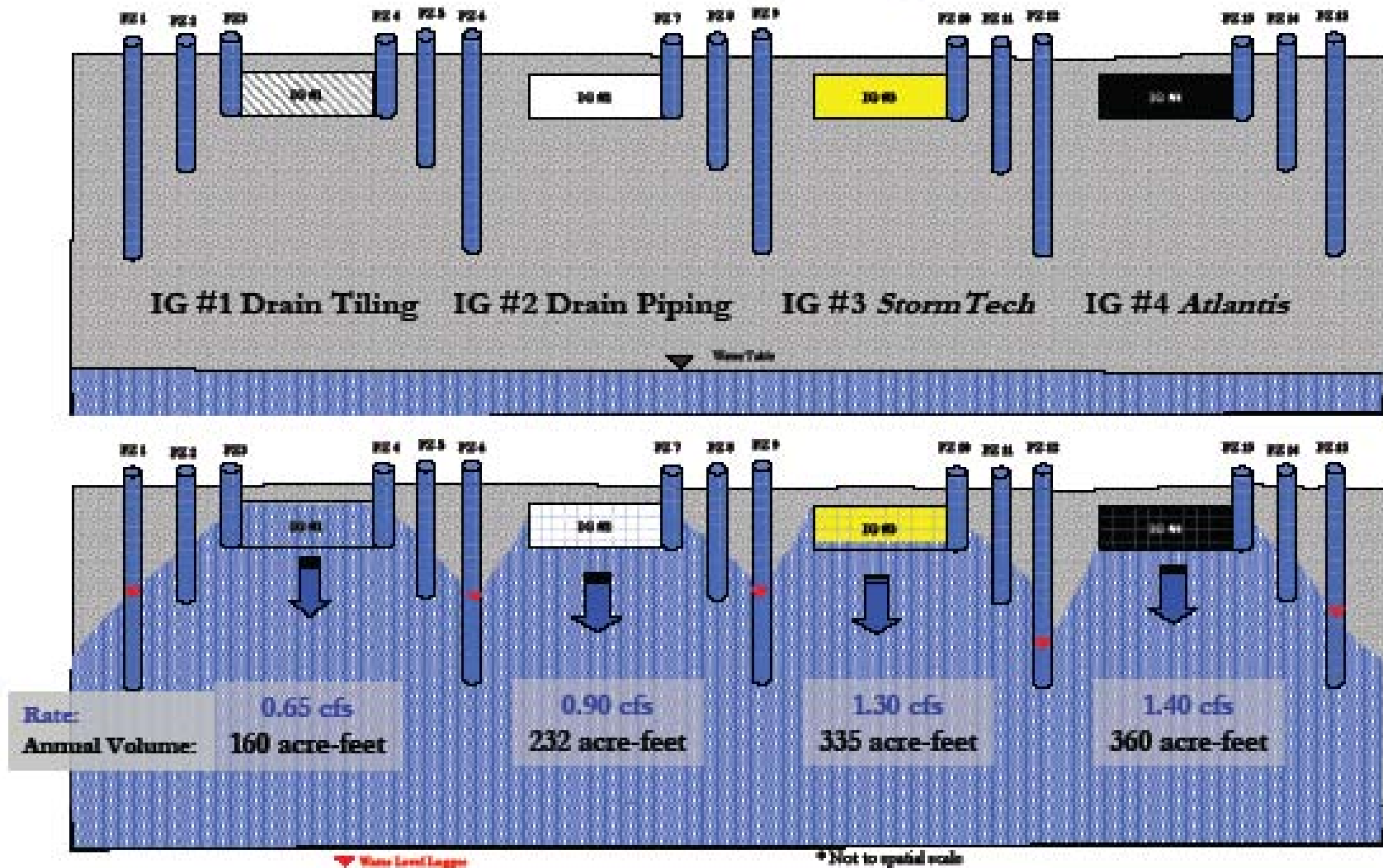


Figure 13



*HBDIC Infiltration Gallery Testing Site: Profile of Galleries and Piezometers*

2008-2009 Preliminary Testing Results





Turnout structure for spreading basins during construction



Turnout structure for spreading basins



Installation of observation well at HBDIC recharge site





Screened water intake for infiltration galleries and bridge over white ditch for brushing off any accumulated debris during operations