# Effective use of irrigation water using automatic water control equipment



### WRC WEBINAR

Dialogue Enhancing water security through improved agricultural water productivity: new knowledge, innovations and applications

DATE: 04 August 2021

TIME: 10:00 - 12:30

# Effective use of irrigation water using automatic water control equipment

#### Discussion points:

- Localised water supply in river weirs
- Closer to communities and irrigation farms
- SA needs small scale farming
- Less costly than regional dams
- Less area for evaporation
- Improves ground water levels
- Problem: Sedimentation....needs automatic gates.

#### Distribution of water

- Automatic Diaphragm Valves (DV)
- Canal offtakes
- Level reach canals
- Holding dam control.





# new Security with Water Enhancing Innovatio

## **Scour gate installations**









## **TOPS** gate installations













WATER RESEARCH COMMISSION



200 TO 400 DIAM DVS FOR FLOW CONTROL INTO IRRIGATION CANALS FOR MOZAMBIQUE

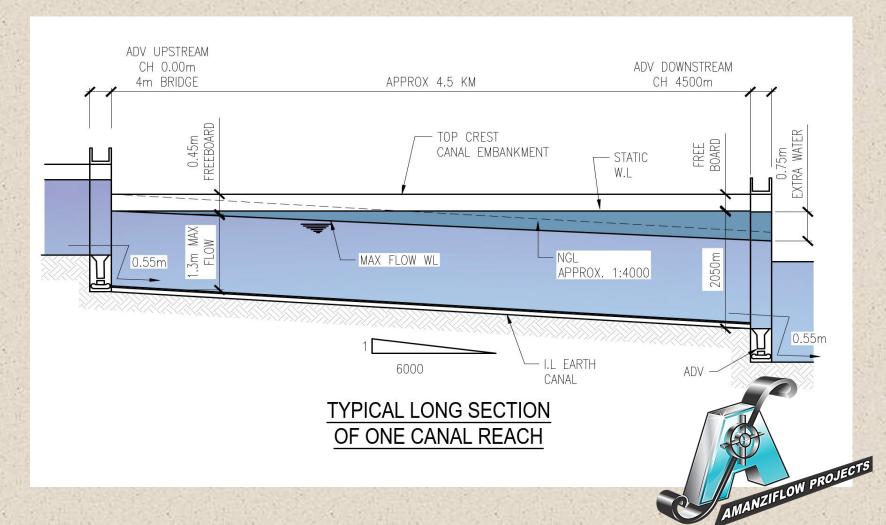


400 DIAM DV FOR SWAZILAND

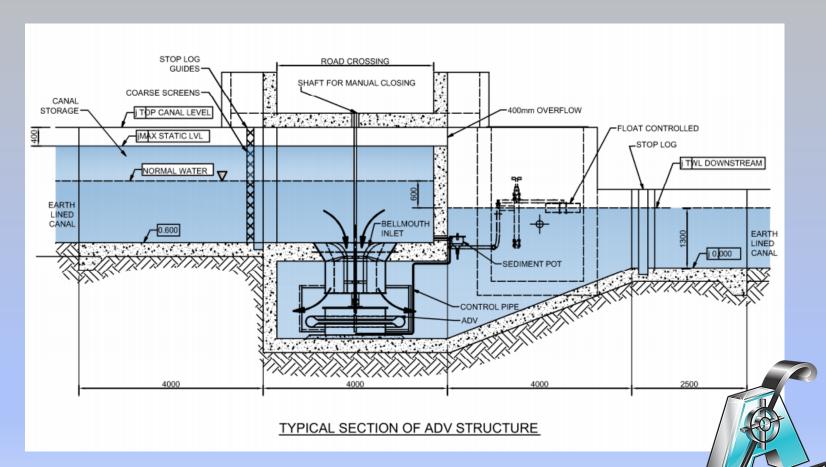


300 DIAM DV AS MANUAL VALVE FOR REE AUTOMATIC SCOUR GATE

AMANZIFLOW PROJECTS REAUTOMATIC SCOUR GATE













TYPICAL PUMPING DAM WITH ADV INLET CONTROL OF BOTH FLOW RATE AS WELL AS CLOSE OFF WHEN FULL.....NO SPILLAGE.

