

Odessa Groundwater Replacement Program



EL 47.5 Delivery System Impacts

Currently Replaces 8,521 Acres
Deep-Well Pumping
from the Odessa Aquifer

Transitioned to Reliable
Columbia Basin Project
Irrigation Water Supply

Reduces Groundwater
Depletion by Up To
73 Million Gallons Per Day

Operational Delivery Spring 2021

Water Service Contract Landowners

WHB Trust	5,540.7 Acres
Swinger LLC	1,035.8 Acres
Franz Lund LLC	900.0 Acres
DNR	555.0 Acres
Skone & Connors	490.0 Acres



EL 47.5 Delivery System FACTS

Construction: 2016 - 2020

Capacity: 10,500 Acres

Pump Station

6,950-HP

(1) 700-HP and (5) 1,250-HP Pumps
District Operational Controls

Water Delivery Range

7 to 140 CFS (3,200 to 63,100 GPM)

250 to 345 TDH at Pumps

10 to 150 PSI Delivery Pressures

Intake Structure

Sump: 35' to 86' Wide x 80' Long x 18' Deep

Building: CMU Block, 64' x 126' x 20'

820 CY Concrete, 145,000# Rebar

Pipeline

46,892 Feet (8.88 Miles)

14 to 60-in Diameter Pipe, 15 Turnouts

Funding

District Design & Construction Funds

(Mainly Municipal Bonds): \$15,800,000

State Capital Grant: \$ 5,000,000

Public-Private Partnership

Non-Reimbursable State Capital Grant,

Capital Cost 30-yr Repayment Term

by Water Service Contract Fees

Total Capital Cost \$20,800,000

