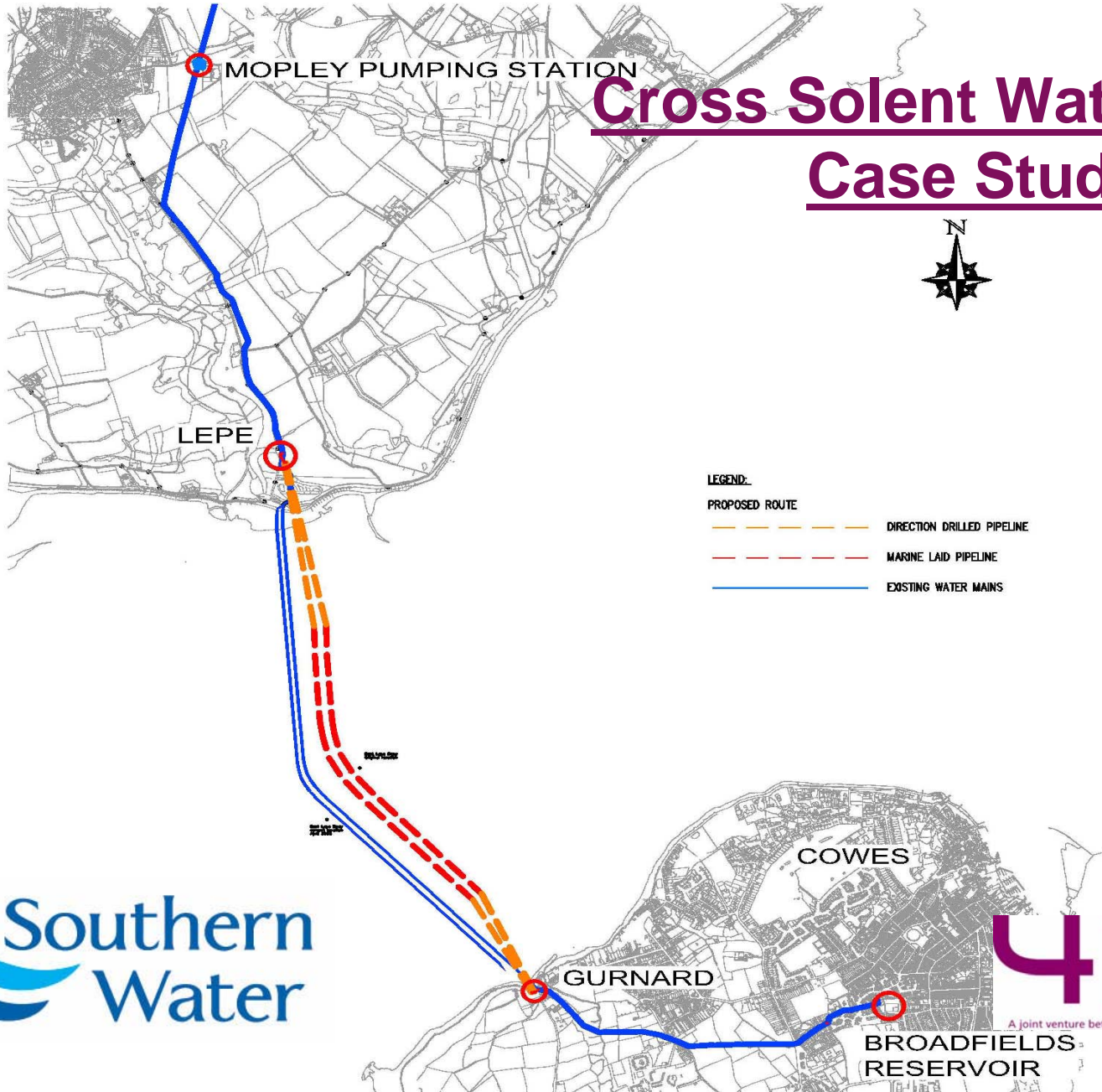


# Cross Solent Water Mains Case Study

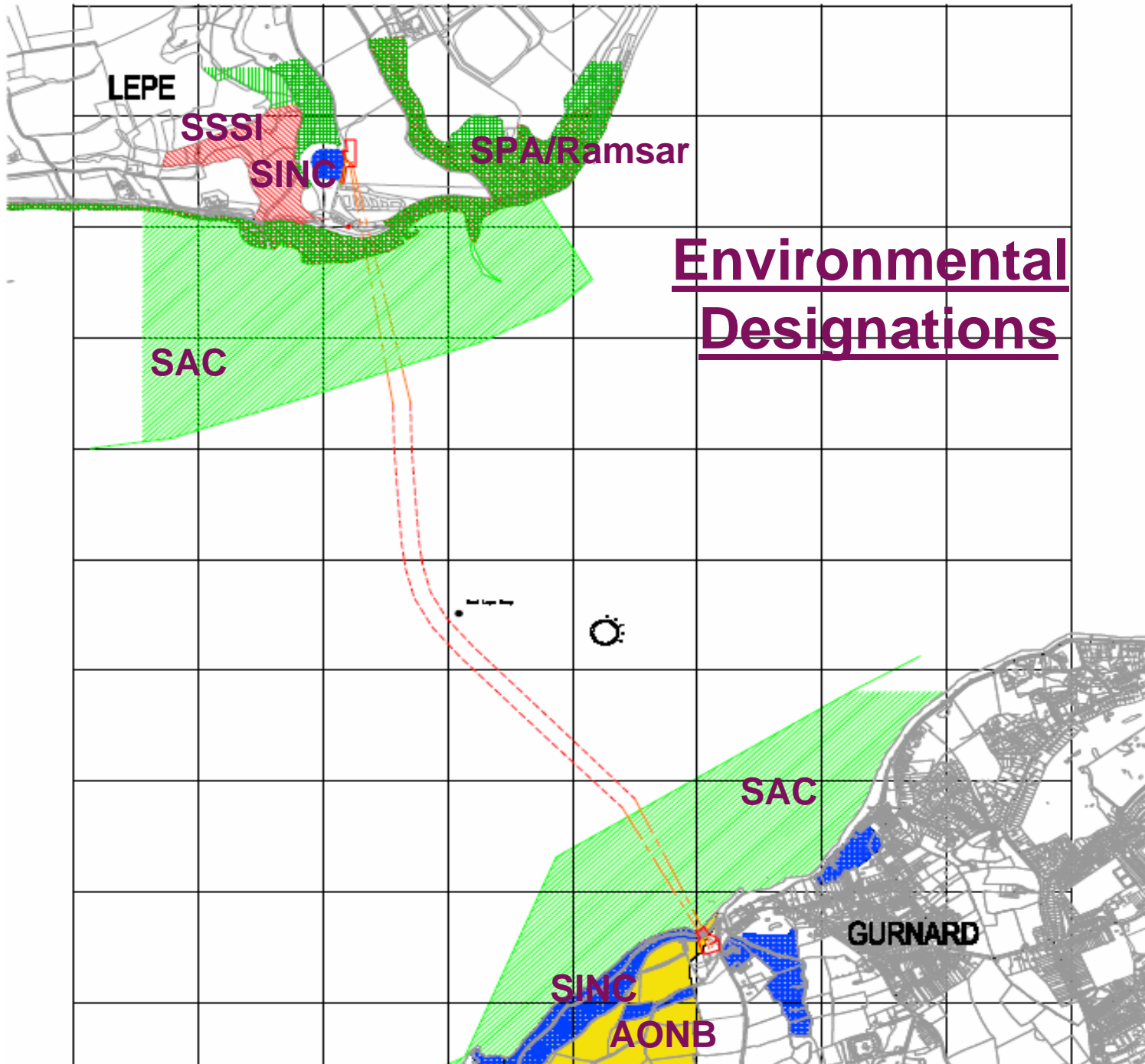


A joint venture between United Utilities, Costain and MWH

# Shorelines



- 1981 – pipe in trench.
- Ramsar.
- Inter & sub tidal zones.
- Recreation use.



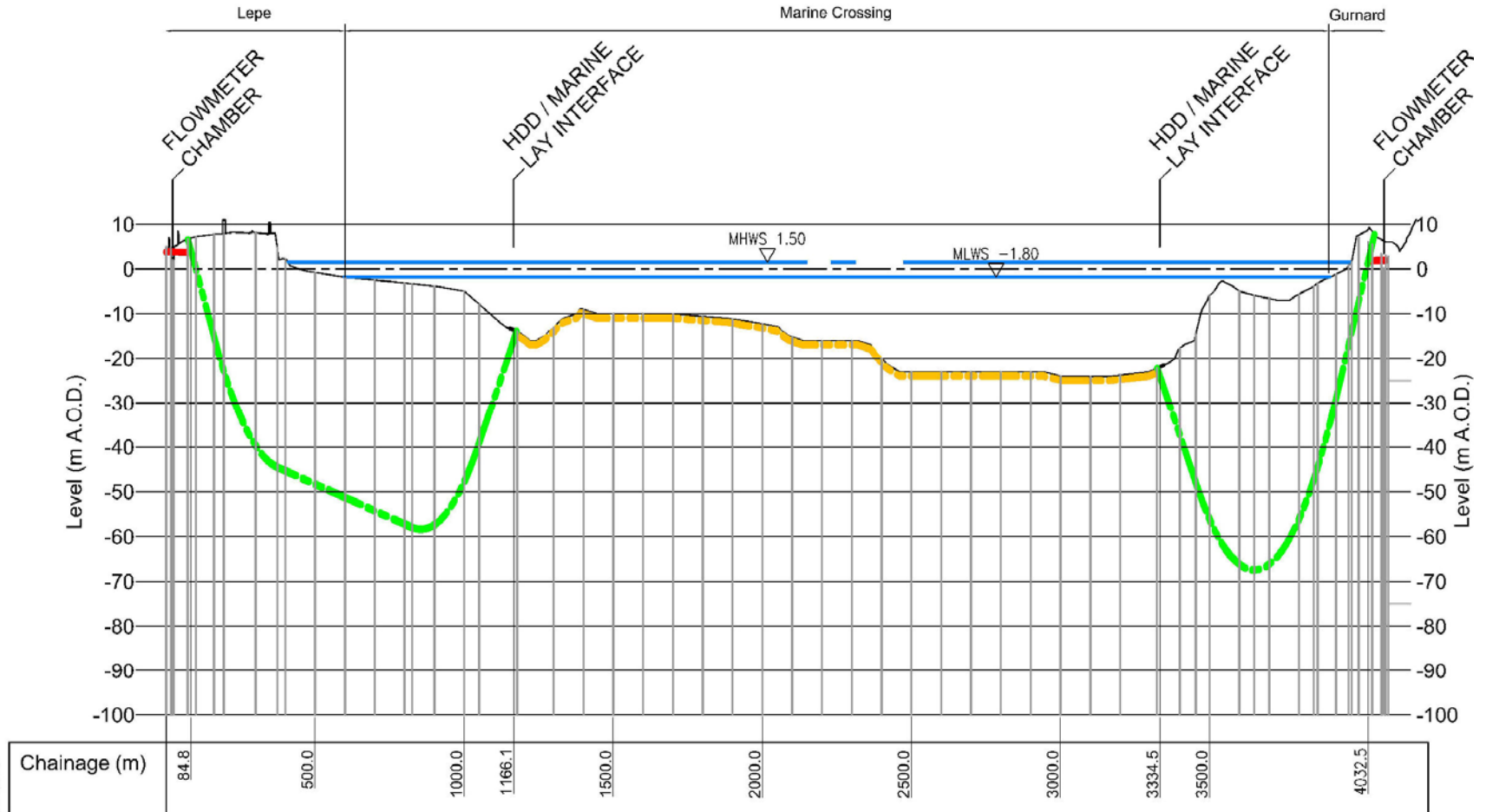
# Environmental Designations



# Project Constraints

- Inter & sub-tidal habitats
- Fishing & Shell fish
- Tidal range/ strength
- Terrestrial habitat
- Water quality
- Noise limits at drill sites
- Public highway access
- Geology, land slips
- HV Transmission Pylons
- Pipe suppliers
- Navigation channel
- Marine recreation
- National Park
- Lepe Country Park
- Buried river channels
- Marine services corridor
- Archaeology, wrecks
- Existing pipe removal
- Disposal of spoil/ g'water

# Mainland to Isle of Wight



# Programme & Consents

- Winter 04 – environmental studies.
- Nov 04 – initial meeting with consultees.
- Jan 05 – feasibility stage - early contractor involvement.
- Feb 05 - update meeting consultees – incl consultants
- Spring 05 – finalise feasibility study – consultees review
- Apr 05 – planning – scoping report.
- Aug 05 – planning application submitted (16 weeks).
- Oct 05 – FEPA/CPA submission (10 weeks)
- Dec 05 – 2<sup>nd</sup> planning application to move compound (16 weeks).
- Mar 06 – revised FEPA application (10 weeks).
- Aug 06 – planning approved & start of construction.
- Autumn 07 – marine works – submarine pipeline.
- Feb 07 – revised FEPA application (10 weeks).
- Nov 07 - planned project completion.
- June 08 – revised project completion.

# Consultees

- Defra
  - New Forest DC
  - Isle of Wight Council
  - English Nature
  - English Heritage
  - Environment Agency
  - Associated British Ports
  - Hampshire CC
  - RSPB
  - New Forest Nat Park
  - Crown estates
  - 5No Parish Councils
  - Commercial Fisherman
  - Trinity House
  - Royal Yachting Assoc
  - Cowes & Lymington HM
  - H & IoW Maritime Trust
  - Hants Wildlife Trust
- Total 55No Organisations**

# Marine Installation



# Construction v Leisure



# Overall Assessment

- Early involvement of consultees.
- Early engagement of landowners.
- Impact of leisure activities critical to programme.
- Programme – time for consent process.
- Maintain update with Approval bodies.
- Environmental issues as part of solution.
- Develop installation methods within envelopes.
- Noise and transport implication – restrictions.
- Consent reapplications need to be avoided.
- Environmental assessment v EIA (18mths).