

BURROW BEACH STORM WATER OUTFALL PIPELINE REPAIR

February 2025



PROPOSED WORKS

A 300mm dia HDPE SW pipe and outfall drain the catchment of the Burrow, Claremont and Howth Roads. Originally buried on beach to a depth of 1m

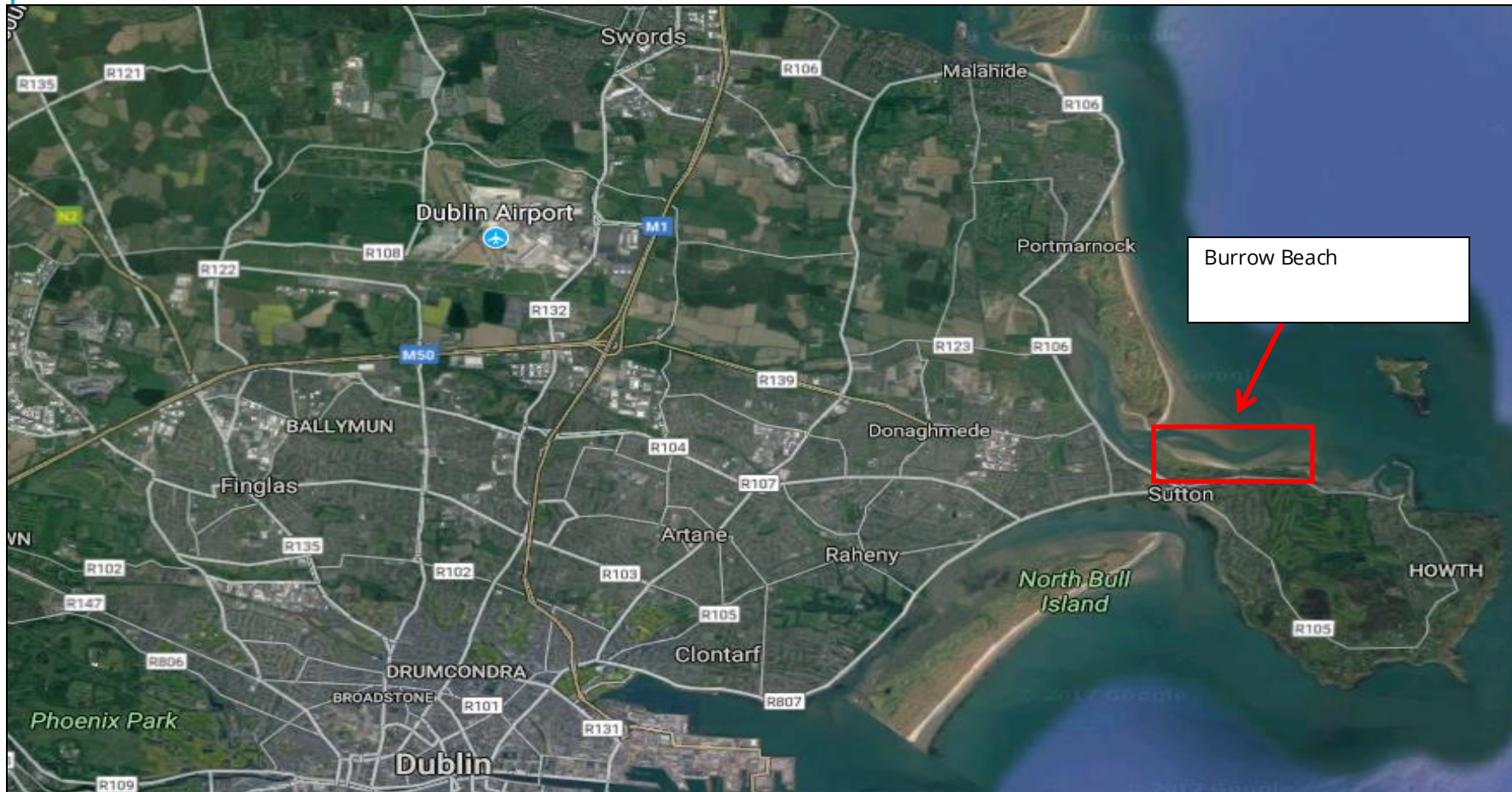
- the anchor system now damaged and dislodged from its surround leaving the pipe to float on the surface of the water at high tides, fixed at each end.

Maintenance works planned to reinstate the HDPE outfall pipe, anchoring it along a selected route

New concrete anchor blocks (1.35m x 1.5m x 1.2m) centred at 3m intervals along the pipe on a foundation of gabion mattresses.

The gabion mattress foundation will be laid in a trench underneath the current pipeline, over geotextile material and overlain by gabion mattressing. The concrete anchor blocks will then be placed atop at approximately 3m centres.

LOCATION



The surface water outfall pipe is within Baldoye Bay SAC and is also approximately 400m east of Baldoye Bay SPA. Baldoye Bay is a proposed Natural Heritage Area (pNHA).

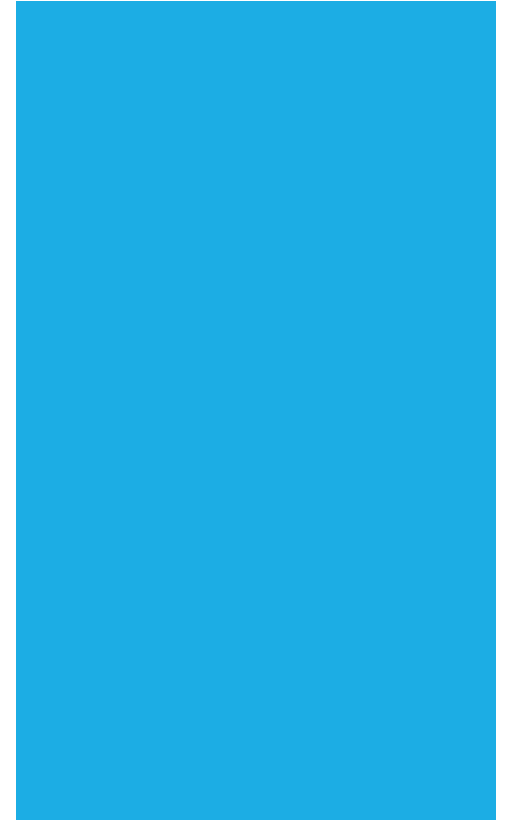
SITE COMPOUND AND WAY LEAVES

The main compound will be located at the site of the existing Deer Park Pumping station,

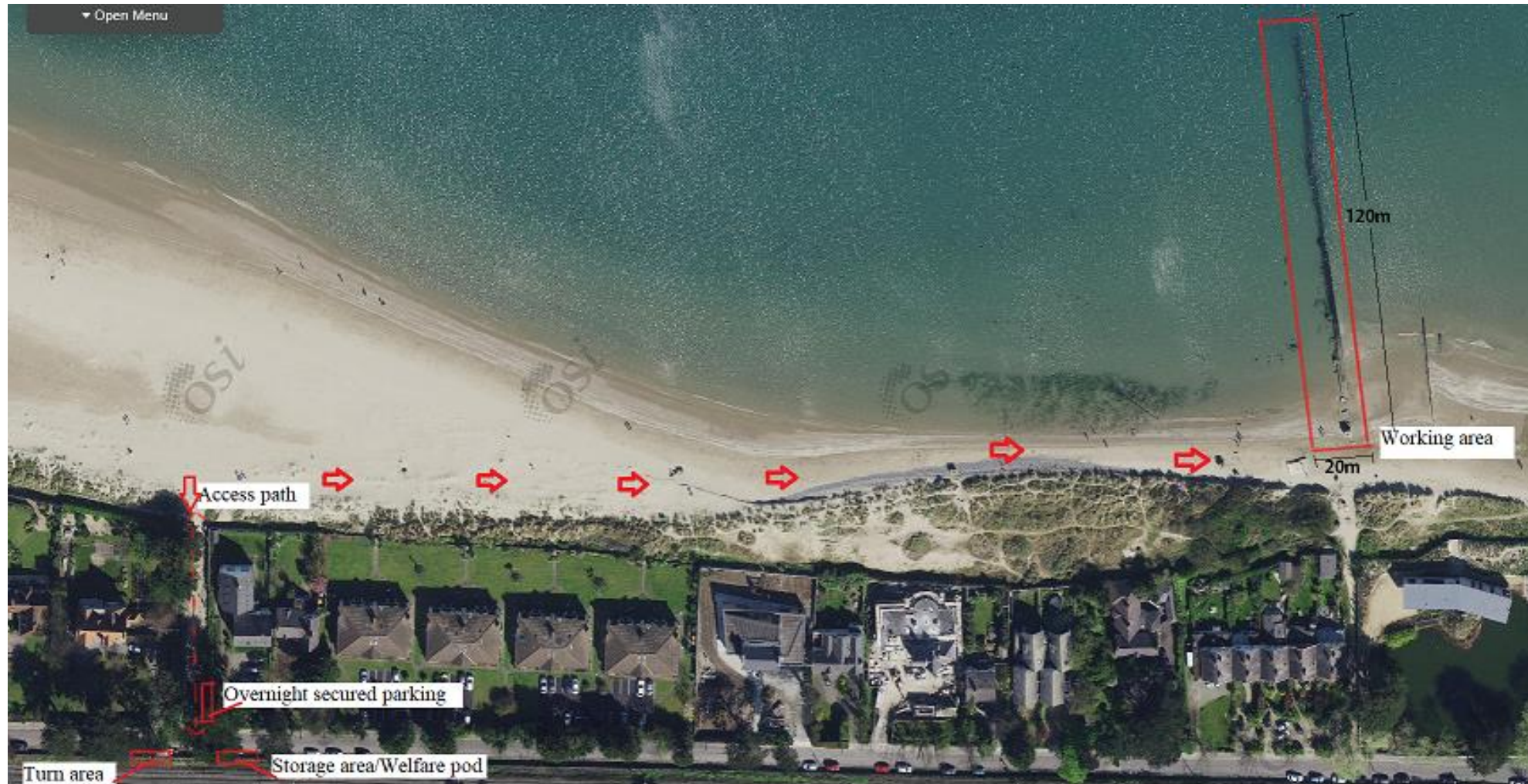
Two smaller satellite compounds will be located in the vicinity of the works area.

- One will be located on Burrow Road, opposite the entrance of the access laneway to Burrow Beach for a welfare pod and a small storage area
- smaller storage area will be located on the laneway to Burrow beach

It should be noted that a further small area in the layby/parking area on Burrow Road will be closed off to allow for a safe turning area for any delivery vehicles.



WORKS AREA AND ACCESS



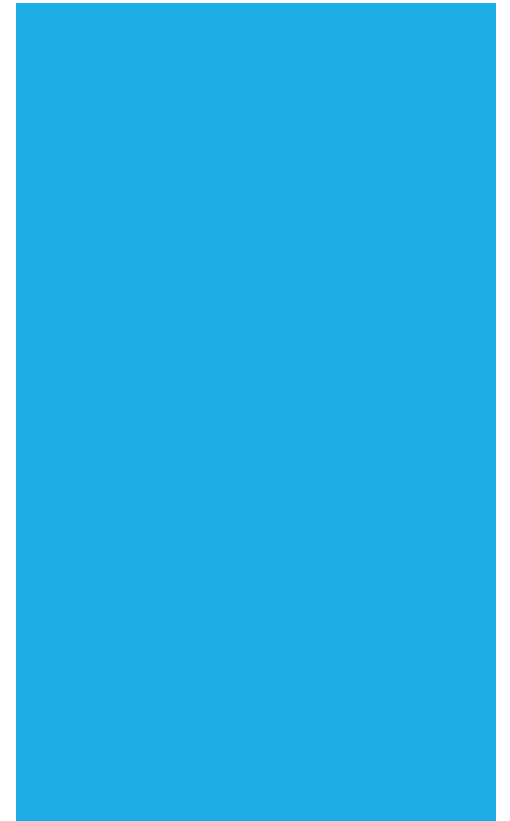
CONSTRUCTION ACCESS

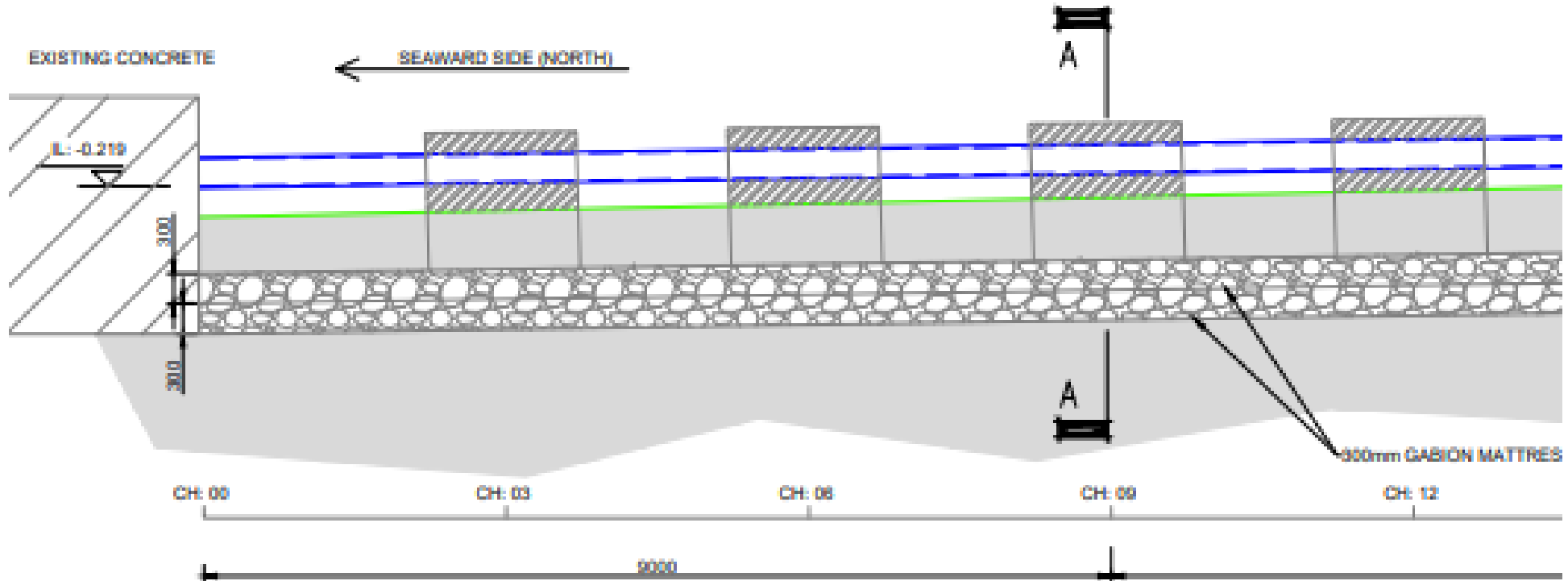
Access to the construction area will be via existing laneway to Burrow Beach, from Burrow Road, as shown in the figure above

Approximately 340m to the west of the pipeline location/construction site. Will not impede access to the beach by the public.

Construction vehicles, 20 tonne tracked excavator, dumper truck, and tractor and trailer, will travel across the beach to the construction area, using the area between the dunes and the high tide line.

Delivery of the anchor blocks and materials will be made to the site location via Burrow Road/Claremont Road and stored in the satellite compound. Larger deliveries will be stored at the Deer Park Pumping Station before transportation to site.

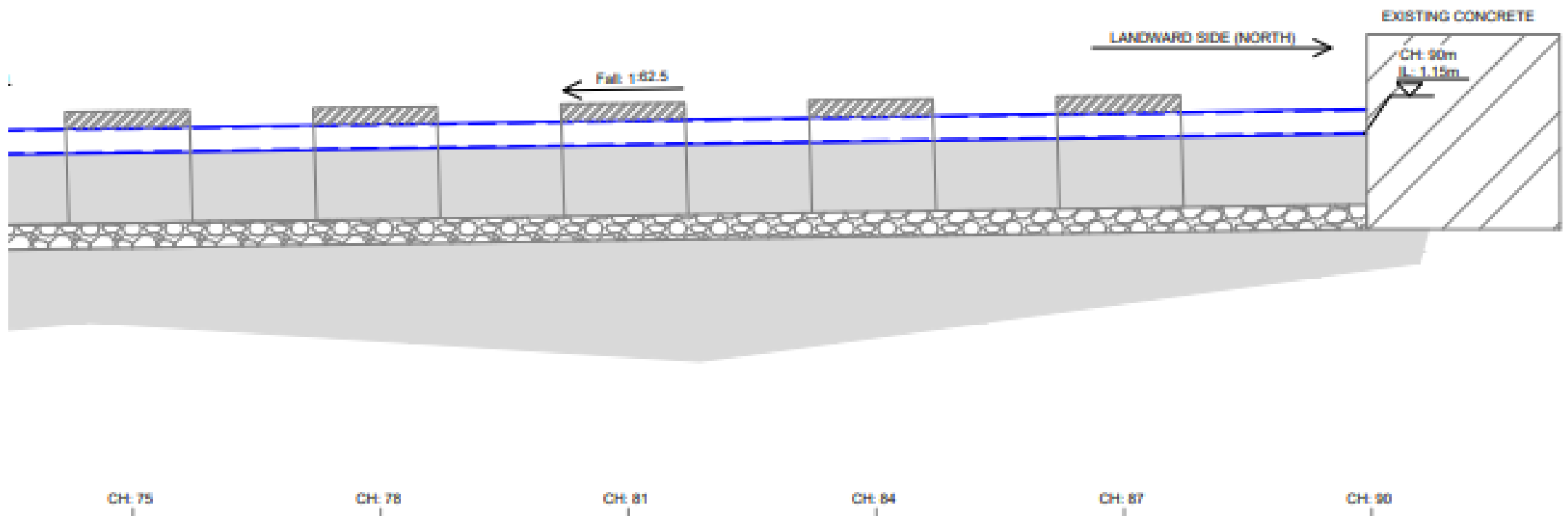




OUTFALL PIPE LONG SECTION (PART 1)

SCALE: 1:50

LONG PROFILE — SEAWARD END



LONG PROFILE — LANDWARD END

CONSTRUCTION AREA AND PROGRAMME

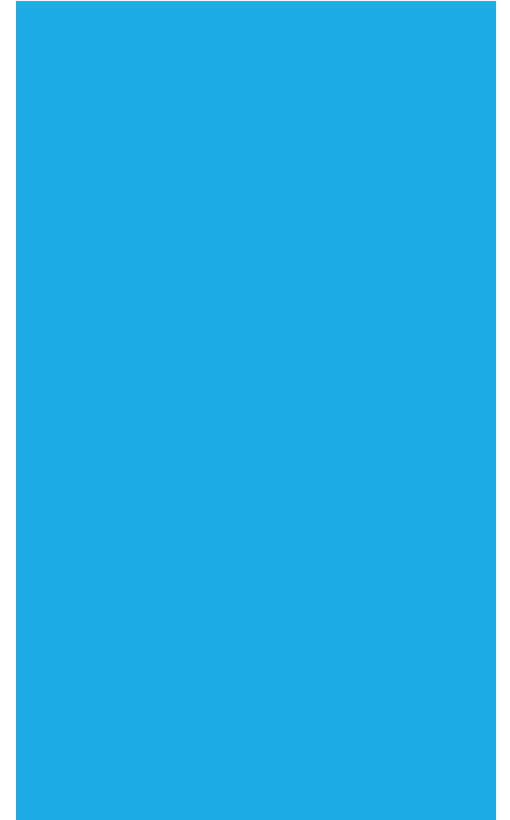
Construction works over a footprint of 90m length of the outfall pipe. The working area will be 20m wide.

Temporary fencing to be installed at the beginning of each work-day and will be removed at the end of each working day.

Approximately 3 months, taking tidal constraint/daylight hours into account.

Works largely outside of the peak summer period and bathing waters season. Works to commence in late March.

Construction of the new anchor system in manageable lengths, around 6-9m per working day.





THE END |