



WASTEWATER

NORTHERN INTERCEPTOR STAGE 1

Stage:	Commencing	Update:	38
Est. Start Date:	Jan-Mar 2019	Project ID:	J7366
Our Estimate:	\$108,000,000	Date:	22/01/2019
Location:	2 Buckley Avenue Hobsonville, Auckland		
Description:	<ul style="list-style-type: none">• (C-11436) Contract awarded Dec 2018 for Stage 1 construction of the Northern Interceptor.• The Northern Interceptor will cater for growth in the area & enable wastewater flows (which otherwise go to the Mangere WWTP), to be directed to the Rosedale WWTP.• The future works will be phased with growth over several decades.• Phase 1, a pipeline from Hobsonville to Rosedale, has been combined with the GBWD for efficiency.• Resource Consent granted.• Landowner approval granted for temporary construction works & easements within Rahui Reserve, Wainoni Park & Rosedale Park.• Approval for transfer of land at 2 Buckley Avenue granted 20 Aug 2019. Indicative completion times: Work for Stage 1 which will divert flow north east to the Rosedale WWTP expected to be complete by 2021; future stages of the Northern Interceptor, including a large spine gravity main running west to east along SH 18 (2025); boost pumping of the pipeline to Rosedale (2027); duplication of the rising main to Rosedale (2035).• Design & construction services Greenhithe Bridge WD & Northern Interceptor see W6117; Northern Interceptor Stage 2 J7616; procurement of consultants J7358; Greenhithe Bridge Watermain Duplication P0518; North Harbour No2 Watermain J7369. <p>Spec:</p> <ul style="list-style-type: none">• Work includes widening & extension of the existing SH 18 causeway on the western approach to the Greenhithe Bridge to enable installation of new water & wastewater infrastructure.• Stage 1 will transfer wastewater flows from the Northern Strategic Growth Area (Massey North/Whenuapai/Hobsonville) & South Rodney (Kumeu/Huapai/Riverhead), via the Hobsonville Pump Station to the Rosedale Wastewater Treatment Plant via a rising main & a 1.5m diameter or larger gravity micro-tunnel.• The pipeline route extends from Hobsonville pump station along a widened section of the State Highway 18 causeway, crosses under the Upper Waitemata Harbour, along Greenhithe Road and through Wainoni Park; from here the pipeline follows North Shore Memorial Park, North Shore Golf Club and public roads before entering the treatment plant. This will service anticipated growth in these areas & free up capacity in the Whenuapai & Western Interceptor wastewater networks which flow to the Mangere Wastewater Treatment Plant.• Proposed NI works for NoR3: A new wastewater pipeline of 210mm ND approx 7km in length, installation of air vents, 16 pits/shafts for trenchless technology construction purposes; 5 of these will be		

permanent manholes while other will be temporary only until construction/testing is complete; MT Pit 7 will a drop structure with permanent access; a new wastewater pipeline approx 50m long & manholes connecting the 210mm ND pipeline to the existing pump station; a new 1750 l/s pump station with future capacity of 3500 l/s, wastewater storage (within pipeline) 2 x 1500mm ND rising mains (length to the causeway), approx 800m long; 1 x 2100mm ND pipe installed by trenchless technology at SH18 & air valve & scour valve chambers.

Developer:	<u>Watercare Services Ltd</u> Private Bag 92521, Wellesley Street, Auckland, 1141, Phone: 09 539 7300, Email: info@water.co.nz
Architect (Landscape):	<u>LA4 Landscape Architects Ltd</u> PO Box 5669, Wellesley Street, Auckland, 1141, Phone: 09 358 0904, Email: la4@la4.co.nz
Architect (Lead):	<u>Beca Ltd [AKL] (Infrastructure)</u> PO Box 6345, Wellesley Street, Auckland, 1141, Phone: 09 300 9000, Email: info@beca.com
Consulting Engineers:	<u>AECOM New Zealand Ltd [AKL]</u> PO Box 4241, Shortland Street, Auckland, 1140, Phone: 09 967 9200, Email: auckland.reception@aecom.com
Consulting Engineers:	<u>Mott MacDonald</u> (Principal Engineering Advisor (PEA)) PO Box 37525, Parnell, Auckland, 1151, Phone: 09 374 1599
Consulting Engineers:	<u>Stantec (was MWH) [AKL]</u> (Principal Engineering Advisor (PEA)) PO Box 13052, Armagh, Christchurch, 8141, Phone: 09 580 4500, Email: auckland.reception@stantec.com
Consulting Engineers:	<u>Tonkin & Taylor [AKL]</u> (Principal Engineering Advisor (PEA)) PO Box 5271, Wellesley Street, Auckland, 1141, Phone: 09 355 6000, Email: akl@tonkin.co.nz
Engineer:	<u>GreensceneNZ Ltd</u> PO Box 56551, Dominion Road, Auckland, 1446, Phone: 09 623 3514, Email: info@greenscenenz.com
Engineer (Acoustic):	<u>Marshall Day Acoustics Ltd [AKL]</u> PO Box 5811, Wellesley Street, Auckland, 1141, Phone: 09 379 7822, Email: auckland@marshallday.co.nz
Engineer (Geotech):	<u>Baseline Geotechnical</u> 300 Titirangi Road, Titirangi, Auckland, 0604
Engineer (Traffic):	<u>Traffic Design Group Ltd (TDG) [AKL]</u> PO Box 2592, Shortland Street, Auckland, 1140, Phone: 09 531 5006, Email: don.mckenzie@tdg.co.nz
Consultant:	<u>Clough & Associates Ltd</u> 321 Forest Hill Road, Waiatarua, Auckland, 0612, Phone: 09 814 1946, Email: heritage@clough.co.nz
Contractor (Civil):	<u>Brian Perry Civil [AKL] (Fletcher Construction Co Ltd)</u> PO Box 62216, Sylvia Park, Auckland, 1644, Phone: 09 573 0690
Contractor (Civil):	<u>Pipeline & Civil Ltd</u> (Project Partner - Pipeline Construction) PO Box 70042, Ranui, Auckland, 0655, Phone: 09 831 0005, Email: admin@pipelinecivil.co.nz
Contractor (Siteworks):	<u>Higgins Contractors Ltd [AKL]</u> (ahead of main construction) PO Box 51118, Pakuranga, Auckland, 2140, Phone: 09 273 7300, Email: contractors.ak@higgins.co.nz
Contractor (Civil):	<u>Fletcher Construction [AKL] (Infrastructure)</u> Private Bag 92059, Victoria Street West, Auckland, 1142, Phone: 09 571 8421, Email: tommyp@fcc.co.nz
Contractor (Supplier):	<u>Iplex Pipelines NZ Ltd</u> Private Bag 92114, Auckland, 1142, Phone: 0800 800 262
Subcontractor (Electrical):	<u>Electrix Ltd [AKL]</u> PO Box 1688, Shortland Street, Auckland, 1140, Phone: 09 270 1700, Email: info@electrix.co.nz