

PROJECT HISTORY

**PS – Pump Station, WM – Water Main, S – Sewerage, SW – Stormwater, RM – Rising Main, C – Conduits,
CC- Civil Construction, SS – Sewerage Scheme**

Job No	Type	Project Name	Project Description	Client	Year
393*	CC	Bluewater Suburb Threshold Signs	Supply and installation of two suburb threshold signs for Bluewater at the northern and southern approaches along the Bruce Highway, including: footings plinth, sign installation, solar lighting systems, irrigation and landscaping.	Townsville City Council	2017
392*	CC	Ramp Over Water Supply Pipe At Bluewater	Construction of a pedestrian/cycle ramp over the exiting water supply pipe at Bluewater to improve access for students travelling to Bluewater State School.	Townsville City Council	2017
391*	S	Trunk Sewer Diversion – Fairfield Waters	Diversion of the existing 300mm diameter trunk sewer main with a new 375mm diameter uPVC sewer main, so that a new building could be constructed adjacent to the current shopping centre at Fairfield Waters.	Townsville City Council	2017
386*	PS, RM, S	Alma Bay Public Toilets, Pump Station & Rising Main	Supply and construction of a sewage pump station, including electrical switchboard, pumps and internal pipework. Supply and construction of an overflow headwall and connecting pipework. Supply and construction of a DN50 PE sewer pressure main over a length of 600m, including the connection to the existing maintenance hole.	Townsville City Council	2017

Job No	Type	Project Name	Project Description	Client	Year
383*	WM	Dommett Street Water Main Replacement	To enable a section of old water main to be made obsolete, 468m of new DN250 water main was needed to direct water from the DN450 DICL trunk water main on Powell Street to the exiting DN250 PVC water main on Dommett Street. The water main crossing of Stuart Drive (opposite the intersection with Dommett St) was flanged DN250 DICL pipe inside a 630OD PE envelope. The Stuart Drive crossing was constructed through trenchless methods in accordance with DTMR requirements.	Townsville City Council	2017
381*	WM	Jensen Development Water Main	Construction of additional 2692m of DN300 PVC water main to connect into the existing offtake from the DN475 and DN600 Mt Spec Pipeline (adjacent to Veales Road) and extend to the intersection of Jensen Road and Texas Road. Part of the work involved upgrading the existing Pressure Reducing Valve (PRV) compound at the offtake. There were two interconnections to the reticulation system.	Townsville City Council	2017
379*	PS, RM, S	Harris Crossing – Pump Station BP11 Sewer & Rising Main	Supply and construction of a sewage Pump Station BP11, including electrical switchboard, pumps, electromagnetic flow meter, access road and internal pipework. Supply and construction of a DN225 gravity main. Supply and construction of a DN180 PN16 PE100 sewer pressure main over a length of 660m. The works also include the boring / micro tunnelling under the Townsville Ring Road; and supply, installation and commissioning of a backup diesel generator.	Maidment Land Pty Ltd	2017

Job No	Type	Project Name	Project Description	Client	Year
376*	PS, RM, S	Alfred Street Pump Station PS 9P	Removal of the existing house at 56 Alfred Street, Aitkenvale, followed by supply and installation of an FRP sewage pump station at the site. 525m x DN160 rising main including connection to the existing asbestos cement (AC) pressure main. 270m x DN280 gravity sewer using micro-tunnelling technology and 10m x DN300 gravity sewer via open excavation.	Townsville City Council	2016/17
375*	WM	Davis Street Water Main Replacement	Replacement of a 100mm A.C water main with 100mm PVC pipe along Davis Street, Titley Lane and Wherry Close, Charters Towers; including reconnection of existing services onto the new main.	Charters Towers Regional Council	2016
371*	RM	DN315 Rising Main Redirection For Pump Station W4A	Construction of approximately 430m of DN315 PE rising main for existing sewage pump station PS W4A on Miles Avenue, Kelso; including connections to both PS W4A and the existing maintenance hole 25/C5C on Raffles Court, Kelso.	Townsville City Council	2016

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370* & 372*	WM	Shaw Road Connection Water Main & Sanctum Water Main Extension	<p>Separable Portion A: Shaw Road Connection Water Main - Supply and construction of a new connection water main (consisting of OPVC, PE and DICL) at the Shaw Road and Bruce Highway intersection. The water main works included enveloped sections to allow for future DTMR planning and upgrade of the intersection.</p> <p>Separable Portion B: Sanctum Water Main Extension - Supply and installation of 1,544m DN300 PVC PN16 rubber ring jointed water main along the western side of the Sanctum open stormwater drain and the southern side of the future North Shore Boulevard extension in Mt Low; 199m DN400 PE100 PN16 water main under the Sanctum stormwater drain and adjacent to the deep gravity sewer; and directional drilling, supply and installation of 32m DN300 DICL flanged water main within DN600 RCP Jacking Pipe under Mt Low Parkway.</p>	Townsville City Council	2017
369*	PS, S	Hugh Street Development Pump Station A8C	FRP replacement sewerage pump station A8C including electrical switchboard, pumps, backup diesel generator, access road and internal pipework and environmental overflow. Construction of a DN150 and DN250 sewer rising main and a DN225 gravity sewer line with manholes, and the de-commissioning of the old A8C pump station.	Sydney Investment Holdings	2016
368*	WM	Church Street Trunk Water Main Replacement	Removal and disposal of the existing DN750 water main. Construction of a new DN600 D.I.C.L pipeline and DN710 polyethylene pipeline.	Townsville City Council	2016

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367*	WM	Supply & Construction of the Burdell Street Water Main Replacement	New water mains (pipelines) and associated connections to replace existing DN300, DN225 and DN150 cast iron water mains located along Burdell Street and Stuart Drive, Stuart. Supply and construction of DN250 to DN450 water mains, connections and envelopers installed using trenched and trenchless construction techniques.	Townsville City Council	2016
365*	RM	Supply & Construction of DN450 Duplicate Rising Main For Pump Station PSBU07	950m x DN450 PE100 PN12.5 rising main; including directional drilling under Saunders Creek.	Townsville City Council	2015
364*	PS, S	Pump Station LA16A Decommission and Supply & Construction of DN150 Gravity Sewer	Installation of approximately 80m of DN150 gravity sewer by micro tunnelling, and construction of a new maintenance hole; followed by the decommissioning of the existing pump station LA16A.	Townsville City Council	2015
360* & 361*	WM	Percy Street and Toolakea Beach Road Water Main Replacement	Separable Portion A: Percy Street - DN375 PVC and DN375 DICL water main with a total length of 1007.59 metres, partly within an enveloper pipe micro-tunnelled under Ingham Road and the North Coast Railway Line. Separable Portion B: Toolakea Beach Road - DN250/200 PVC pipe, DN315 PE and DN250 DICL water main with a combined length of 1164 meters, partly within a RCP Class 4 enveloper pipe micro-tunnelled under the North Coast Railway Line and directional drilled under Bluewater Creek.	Townsville City Council	2015
357*	WM	Trunk Water Main - Section 2, The Village Residential Estate, Oonoonba	493m x DN375 PVC water main; including connection to existing DN225 AC water main. Directional drilling under Queens Road for 28m x 800mm diameter steel pipe enveloper of DN450 DICL water main.	Economic Development Queensland	2014

Job No	Type	Project Name	Project Description	Client	Year
356*	PS	Replacement of North Shore Sewage Pump Station PS BU03	Sewerage pump station - 3.75m diameter x 7.63m deep FRP sewerage pump station; including electrical switchboard , pumps, backup diesel generator, access road and internal pipework; with an actuated control valve on the existing environmental overflow line. 5.5m x DN450 dual gravity sewer lines. Decommissioning of the existing pump station and conversion into a zero manhole.	Stockland Development Pty Limited	2014
355*	S	Replacement of Three Hobas Pipe Creek Crossings	The Western Outfall Pressure Main is a DN900 pipe approximately 5.4 km long that delivers wastewater flows to the Cleveland Bay Purification Plant (CBPP). The pipeline section between Oonoonba and the CBPP includes three above ground tidal creek crossings with concrete piers. These three crossings were replaced with Mild Steel Cement Lined (MSCL) pipe supported by the existing pedestals.	Townsville City Council	2014/15
350*	PS	Construction of Fairways Sewerage Pump Station PS24 & Associated Works	Sewerage pump station – 2.1m diameter x 8.3m deep FRP sewerage pump station with 225mm overflow line and concrete screening chamber, 11m x 225mm gravity sewer, 96m x 100mm rising main, 1 sewer manhole, and an asphalt access road.	Ingenta Pty Ltd	2014
349*	PS	Lotus Glen Pump Station Upgrade	Sewerage pump station – 3.75m diameter x 9.03m deep FRP sewerage pump station; including new pumps, switchboard, generator and electrically actuated valve and chamber on overflow line. Existing pump station was converted to a zero manhole.	Townsville City Council	2014
348*	S	Supply & Construction of Southern Suburbs Trunk Gravity Sewer, Stage 2	2.5kms of 450mm trunk sewerage infrastructure, 3-5m deep, with 15 sewer manholes; along with decommissioning of the existing pump station and control building.	Townsville City Council	2014

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347*	S	Corbett Street DN300 Trunk Sewer Extension	418m x DN300 PVC gravity sewer, 40m x DN300 DICL gravity sewer, with 7 sewer manholes and micro-tunnelling under Woolcock Street and the North Coast Railway Line.	Townsville City Council	2014
346*	PS	Cosgrove Sewerage Pump Station L17 & Associated Works	Sewerage pump station - 2.0m diameter x 7.96m deep FRP sewerage pump station with 9.4m x 300mm overflow line and concrete screening chamber, 65.8m x 150mm gravity sewer, 29.7m x 225mm gravity sewer, 5m x 300mm gravity sewer, 54m x 180mm rising main, 4 sewer manholes, and an asphalt access road.	Parkside Development Pty Ltd	2013/14
344	SW	Mather Street Box Culverts	Reinforced concrete box culverts, 2.4m x 1.2m x 5 cells wide x 75m long, with 1.5m x 14.2m x 2.4m deep concrete pit, concrete headwall and apron slab.	BM Webb Developments P/L	2013
342*	SS	North Hughenden Sewerage Scheme	3.5km x 150mm gravity sewer, 2km x various size rising mains, 20 sewer manholes, 45 ezipits, 5 FRP sewerage pump stations, 8 low pressure pump stations, house drainage to 80 houses and associated works.	Flinders Shire Council	2013/14
341	WM	Cosgrove DN300 Trunk Water Main	327m x DN300 PVC water main with live tapping to the existing DN450 DICL main on Woolcock Street, 80m x DN200 PVC water main, and 47m x DN150 PVC water main.	Parkside Development Pty Ltd	2013
339*	S	Cosgrove DN375 Trunk Sewer Extension & Pump Station Decommissioning	506.9m x 375mm gravity sewer, 177m x 300mm gravity sewer, and 449.5m x 150mm gravity sewer, with 14 sewer manholes and micro-tunnelling under Woolcock Street, Ingham Road and North Coast Railway Line. Decommissioning of existing Clay Street sewerage pump station.	Townsville City Council	2013
337*	PS, S, RM	North Shore - PS BU04, Rising Main And Trunk Sewer Extension	Sewerage pump station - 2.0m diameter x 7.44m deep FRP sewerage pump station with 10m x 225mm overflow line and concrete screening chamber, 37.6m x 225mm gravity sewer, 259m x 300mm gravity sewer, 558m x 150mm rising main, 5 sewer manholes, and an asphalt access road.	Stockland Development Pty Limited	2013

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336	WM, S, SW, C	Construction of Subdivisional Works For Fairfield Waters, Stage 1.3L	Subdivisional works.	Hansen Constructions N.Q.	2013
333	WM	Willowbank DN375 Trunk Water Main	298m x DN375 DICL Class PN20 water main.	Parkside Development Pty Ltd	2013
331	RM	Sucrogen Kalamia Mill Pressure Sewer Main	1638m x 63OD PE100 PN16 sewer main, including 40m of bored road crossings.	Sucrogen Australia Pty Ltd	2012/13
326	WM, S, SW, C	Willowbank Estate, Stage 18A	Subdivisional works.	Hansen Constructions N.Q.	2012/13
319*	WM	Supply & Construction of Sanctum Development DN300 Trunk Water Main	1077m x DN300 PVC water main with 3 fire hydrants.	Platinum Developments (Qld) Pty Ltd	2012
317	WM, S, SW, C	Construction of Subdivisional Works For River Parks Estate, Stage 8A	Subdivisional works.	Hansen Constructions N.Q.	2012
313	SW	Reinforced Concrete Culvert - Edmund Casey Drive Extension, Mackay Harbour	Supply & installation of SLBC culvert, including 380 m3 of general earthworks, with treatment of acid sulphate soils, and erosion and sediment control measures.	North Queensland Bulk Ports Corporation Limited	2012
309	PS	RAAF Base Townsville 2 x Sewerage Pump Stations	1 x 2.1m diameter x 4.8m deep FRP sewerage pump station and 1 x 1.5m diameter x 2.2m deep FRP sewerage pump station. These sewerage pump stations were installed to replace 2 existing concrete sewerage pump stations that had surface cracks in the concrete walls and concrete cancer. The FRP sewerage pump stations were supplied by others.	Professional Pump Services & Irrigation	2012
308	WM, S, SW, C	Greater Ascot, Stage 201	Subdivisional works.	Hansen Constructions N.Q.	2012
306	S, SW	Greater Ascot Precinct 2, Blackmoor Woods Crossing – Culvert & Sewer Reticulation	Installation of 40.8m x 2700 x 2100 crown units of precast reinforced concrete box culverts, 47.8m x 300mm PVC sewer main, and 16.5m x 300mm DICL sewer main.	Hansen Constructions N.Q.	2012
305	WM, S, SW, C	Greenview, Stage 17A	Subdivisional works.	Hansen Constructions N.Q.	2011/12
304	PS	Urban Land Development Authority Townsville Stage 1	3m diameter x 6.5m deep FRP sewerage pump station and a separate FRP valve pit. The FRP sewerage pump station and the FRP valve pit where supplied by the client.	Shadforths Civil Contractors	2011/12
301*	PS, RM	Sewerage Pump Station BU05 and Rising Main, North Shore Development	2.0m diameter x 7.6m deep FRP sewerage pump station with 320m x 150mm rising sewer main and 942m of gravity sewer ranging in size from 150mm to 450mm with 8 sewer manholes.	Stockland Development Pty Limited	2011/12

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300	RM	Construction Of A New Relocated Sewage Rising Main For Brandon Main Street Project	580m x rising sewer main.	Department of Transport And Main Roads	2011
299	RM	Western Outfall Pressure Main	Replacement of HOBAS pipe section.	Shadforths Civil Contractors	2011
298	WM, S, SW, C	Construction of Subdivisional Works For Fairfield Waters, Stage 1.3K	Subdivisional works.	Hansen Constructions N.Q.	2011/12
296*	WM, RM	Flinders Street Central Redevelopment - Ogden Street Services Realignment	136m x DN375 uPVC PN16 trunk water main and 159.3m x DN300 uPVC PN16 rising sewer main, including cutting into existing services, testing, flushing and geotechnical testing.	Watpac Civil & Mining Pty Ltd	2011
292	WM, S, SW, C	Hogg Street, Deeragun	Subdivisional works.	Sexton Developments Pty Ltd	2011
291*	PS, WM, S, RM	Supply & Construction Of Central Sewerage Pump Station PS21, Rising Main, DN300 Sewer & DN600 Water Main	Sewerage pump station - 2.5 m diameter x 7.8m deep FRP sewerage pump station with 628m x 375mm rising sewer main, 142m x 250mm rising sewer main, 436m of gravity sewer ranging in size from 150mm to 375mm, 8 sewer manholes and 147m x 600mm DICL water main.	VHDF Nominee No. 2 Pty Ltd	2011/12
287*	S	Supply & Construction Of Greater Ascot Residential Development Trunk Gravity Sewer & Associated Works	354.9m x 375mm PVC gravity sewer, 218.6m x 300mm PVC gravity sewer, with 11 sewer manholes.	Parkside Development Pty Ltd	2011
286*	WM	Supply & Construction Of Svensson Road DN375 Water Main	898m x 375 DICL water main, 26m x 300 DICL water main, including micro-tunnelling under Bruce Highway.	Townsville City Council	2011
285	PS, RM	Supply and Construction of Observation Rise PS L6B, Rising Main and Associated Work.	Sewerage pump station - 2.0m diameter x 6.57m deep FRP sewerage pump station with 25.5m x 225mm overflow line and concrete screening chamber, 451m x 150mm rising main, 4 sewer manholes, 109.2m x 150mm gravity sewer, 25.2m x 225mm gravity sewer, 3.2m x 300mm gravity sewer, and an asphalt access road.	Urbex Pty Ltd	2011
282	SW	Stanley Street Culvert & Embankment Works	Rehabilitation of existing road culverts and earth drain.	Townsville City Council	2010
280*	RM	Construction Of Eastern Suburbs Sewerage Pressure Main Replacement Stage 2	381m x 813OD MSCL pipeline.	Townsville City Council	2010/11

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278	WM, S, SW, C	Fairfield Waters 1.1J	Subdivisional works.	Hansen Constructions N.Q.	2010/11
277	WM, S, SW, C	Liberty Rise Stage 2C	Subdivisional works.	Hansen Constructions N.Q.	2010/11
275	PS, WM, S, RM	Supply & Construction of Townsville Distribution Precinct Trunk Water & Sewer Infrastructure Works	Sewerage pump station - 2.0m diameter x 7.3m deep FRP sewerage pump station with 5m x 225mm gravity sewer, 16m x 225mm overflow line and concrete screening chamber, 3373m x 110mm rising main, 515m x 200mm water main, and an asphalt access road.	Kiernan Developments Pty Ltd	2012/13
274	WM,SW	Flinders Mall Redevelopment	Stormwater, water supply and fire main.	Watpac Civil & Mining Pty Ltd	2010
270	S	Supply & Install New Sewer Line - 60 Alfred Street, Aitkenvale	Sewerage reticulation works for 12 studio apartments at 60 Alfred Street Aitkenvale.	Taylor Homes	2010
269	WM, S	Construction Of Subdivision Works, 30-36 Blakey Street, Garbutt	Subdivisional works.	Toprise Australia Pty Ltd	2009
268	WM, S, SW, C	Ocean Breeze Stage 6	Subdivisional works.	Hansen Constructions N.Q.	2009/10
267	WM, S, SW, C	6 Lot Subdivision, 81 - 87 Summerland Drive, Deeragun	Subdivisional works.	Landpac Development Managers Pty Ltd	2010
265	WM, S, SW, C	4 Lot Subdivision, Corner Summerland Drive & Somerton Street, Deeragun	Subdivisional works.	Landpac Projects Pty Ltd	2009
264	WM	Apjohn Street Water Reticulation, Magnetic Island	280m x 100m PVC water main.	Kai Von Mellenthin	2009
263	PS	Castletown Shopping World Extension	Ground water pump station - 3 x 2.0m diameter x 3.5m deep FRP ground water pump station with 1140m x100 mm agricultural drain. Sewerage pump station - 1 x 3.0m diameter x 7.0m deep FRP sewerage pump station with 120m x 100mm rising sewer main and 26m of 150mm diameter gravity sewer with 1 sewer manhole.	McConaghy Projects Pty Ltd	2010
262	WM, S, SW, C	Brendale Stage 12	Subdivisional works.	Sexton Developments Pty Ltd	2009/10
260	WM	Fairfield Waters Irrigation Water Main	547m x 150mm PVC water main.	Hansen Constructions N.Q.	2009
257*	WM, RM	Port Access Road Stage 2	Relocation of water and sewerage assets for the Eastern Access Corridor section of the Townsville Port Access Road.	Department Of Main Roads	2009/10

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253	WM, S, SW, C	Construction Of External Works For Bunnings Site, Fairfield Waters	Subdivisional works.	Hansen Constructions N.Q.	2009/10
252	PS, RM	Supply & Construction Of North Shore Sewerage Pump Station ML03 & Beachside Sewerage Pump Station ML20	ML03 is a 2.0 m diameter x 8.1m deep FRP sewerage pump station with 4m x 375mm gravity sewer, 20m x 300mm overflow line and concrete screening chamber, 23m x 200mm rising main and an asphalt access road. ML20 is a 2.0m diameter x 6.8m deep FRP sewerage pump station with 4m x 225mm gravity sewer, 20m x 225mm overflow line and concrete screening chamber, 1,348m x 150mm rising main and an asphalt access road.	Townsville City Council	2009
247	PS	Shaw Road Sewerage Pump Station BP06	BP06 is a 2.0m diameter x 7.5m deep FRP sewerage pump station with 3m x 225mm gravity sewer , 13m x 225mm overflow line and concrete screening chamber, 25m x 100mm rising main and an asphalt access road.	Townsville City Council	2009/10
246	C	Townsville Grammar School	Cable protection works.	Townsville Grammar School	2009
244	PS	V8's Track Sewerage Pump Station	1 x 2.0m diameter x 4.0m deep FRP sewerage pump station with 110m x 100mm rising sewer main and 6m of 150mm diameter gravity sewer with 1 sewer manhole. The storage tank, FRP sewerage pump station and the FRP valve pit where supplied by the client.	Leighton Contractors Pty Ltd	2009
242	WM, S, SW, C	Stony Moon Villas Internal Works	Subdivisional works.	Sexton Developments Pty Ltd	2009/10
241*	PS	Fairfield Waters Ross River Intake Pump Station	2.75m diameter x 4.2m deep FRP salt water pump station installed on the banks of Ross River.	Hansen Constructions N.Q.	2008/09

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238*	PS	Fairfield Waters Lake 3 Recirculation Pump & Outlet Weir	2.0m diameter x 4.0m deep FRP salt water pump station with 362m x 150mm rising main, 77m x 200mm water main, 112m x electrical conduit, 120m x 450mm fibre reinforced concrete (FRC) pipe, and 3 manholes. The concrete weir structure incorporated another 100m x 200mm water main, 60m x 525mm FRC pipe and 30m x 600mm FRC pipe.	Hansen Constructions N.Q.	2008/09
237	WM	Bradman & National Glass Fire Main	540m of 150mm class 18 fire main.	BM Webb Holdings Pty Ltd	2008
235	WM, S, SW, C	Summerville Gardens Stage 11	Subdivisional works.	Sexton Developments Pty Ltd	2008/09
234	WM, S, SW, C	Fairfield Waters 1.3G2	Subdivisional works.	Hansen Constructions N.Q.	2009
233	PS, S	Construction of Sewerage Reticulation for BM Webb Stage 4	2.0m diameter x 8.5m deep FRP sewerage pump station with 1,899m x gravity sewer ranging in size from 150mm and 225mm, and 33 concrete sewer manholes.	BM Webb Holdings Pty Ltd	2008/09
231	WM, S, SW, C	Waterview Drive, Bushland Beach	Subdivisional works.	Hansen Constructions N.Q.	2008/09
229	S	Avenues Hotel	Sewer diversion.	Avenues Tavern	2008
227	PS, S, RM	Waterway Gardens Pump Station ML02	3.0m diameter x 8.1m deep FRP sewerage pump station with 6m x 375mm gravity sewer, 35m x 375mm overflow, 2286m x 250mm rising main with an asphalt access road.	Townsville City Council	2008
226	WM, S, SW, C	Summerville Gardens Stage 10	Subdivisional works.	Sexton Developments Pty Ltd	2008
225	WM, S, SW, C	Summerville Gardens Stage 9	Subdivisional works.	Sexton Developments Pty Ltd	2008
224	WM, S, SW, C	Fairfield Waters Lakeside Drive	Subdivisional works.	Hansen Constructions N.Q.	2008/09
222*	PS	Pump Station 8 Upgrade, Innisfail	2.0m diameter x 6.5m deep FRP sewerage pump station with a standby generator and a shade structure, installed on a foot path in an existing residential area.	Johnstone Shire Council	2007
216*	PS	Innes Estate Major Sewerage Pump Station D1	4.5m diameter x 9.5m deep FRP sewerage pump station with a 6.4m x 4.2m control building and standby generator; and an asphalt access road. The existing concrete sewerage pump station was also demolished.	Thuringowa Water	2007

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201*	PS	Belvedere Sewerage Pump Station	2.1m diameter x 6.1m deep concrete sewerage pump station, with standby generator, shade structure, and 480m of gravel access road.	Johnstone Shire Council	2006/7
200	S	The Esplanade Sewer, Nelly Bay	Gravity main, 603m DN225mm SN8 PVC pipe.	Water Matters Alliance	2006/7
188	RM, S	Arcadia Rising Main and Associated Works, Magnetic Island	150mm rising main in Arcadia Bay that pumps over a hill then gravity feeds into Nelly Bay.	Water Matters Alliance	2006
125*	SS	Badu Island Sewerage Scheme, Torres Strait	3 sewerage pump stations, 9650m of gravity sewer, 11245m of rising sewer main, sewerage treatment plant, settling ponds and ocean outfall.	Island Coordination Council	2004
069*	SS	Richmond Sewerage Scheme	5 concrete sewerage pump stations, 6435m of gravity sewer, 1187m of rising sewer main, 173 sewer manholes, and 5870m of house drainage.	Flinders Shire Council	2000

* A project summary is available for this job.