

NETWORK INFRASTRUCTURE DEVELOPMENT CONTRIBUTIONS

ACTIVITY: PARKS & OPEN SPACES STORMWATER

PROGRAMME: NEW STORMWATER DRAINAGE WORKS

PROJECTS:

Project Costs

Project Code	Project Name	Locality	Project Component	Total Projected Project Cost	Projected Costs Per Year					
					2005/ 2006	2006/ 2007	2007/ 2008	2008/ 2009	2009/ 2010	2010/ 2011
562/815	Stormwater Drainage - Aidenfield	Haslwell South	Detention works	\$2,000,000	\$500,000	\$1,500,000	-	-	-	-
562/1219	Stormwater Drainage - Augusta St	Moncks Bay	Drainage works	\$430,100	-	\$86,020	\$86,020	\$86,020	\$86,020	\$86,020
562/1416	Stormwater Drainage - Barnett Park	Moncks Bay	Drainage works	\$700,000	\$30,000	\$30,000	\$210,000	\$340,000	\$90,000	-
562/1167	Stormwater Drainage - Heathcote Valley Drain	Heathcote Valley	Drain naturalisation	\$1,000,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	-
562/768	Stormwater Drainage - Hendersons Basin	Haslwell East	Drainage works	\$340,000	\$20,000	\$20,000	\$100,000	\$100,000	\$100,000	-
562/1656	Stormwater Drainage - Richmond Hill	Sumner	Stormwater improvements	\$600,000	\$300,000	\$300,000	-	-	-	-
562/908	Stormwater Drainage - Snellings Drain	Marshland	Drainage works	\$450,000	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	-
562/815	Stormwater Drainage - Snellings Drain No.2	Marshland	Drainage works	\$2,500,000	-	\$250,000	\$2,250,000	-	-	-

Project Attributes

Project Code	562/815	Project Name	Stormwater Drainage - Aidenfield	Project Manager	Brent Smith
Work Planned	Detention works and associated drainage works				
Special features being addressed	Provision of drainage infrastructure to meet needs of community				
Outcomes being addressed	Contribution to meeting the Community Outcomes of A Safe City, A Healthy City and An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				
Implications of not doing Project	No stormwater treatment prior to entering Heathcote River, leading to increased sedimentation and pollution, risk of property flooding				
Linkages with other Projects	No other parks and open space capital projects.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				
Project Code	562/1219	Project Name	Stormwater Drainage - Augusta St	Project Manager	Brent Smith
Work Planned	Stormwater piping, erosion control, channel stabilisation, culverts & intake structures.				
Special features being addressed	Provision of drainage infrastructure to meet needs of community				
Outcomes being addressed	Contribution to meeting the Community Outcomes of A Safe City, A Healthy City and An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				

Implications of not doing Project	Risk of property flooding				
Linkages with other Projects	No other parks and open space capital projects.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				
Project Code	562/1416	Project Name	Stormwater Drainage - Barnett Park	Project Manager	Brent Smith
Work Planned	Installation of drainage infrastructure				
Special features being addressed	Provision of drainage infrastructure to meet needs of community				
Outcomes being addressed	Contribution to meeting the Community Outcomes of A Safe City, A Healthy City and An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				
Implications of not doing Project	No stormwater treatment prior to entering Avon-Heathcote estuary, leading to increased sedimentation and pollution, risk of property flooding				
Linkages with other Projects	Barnett Park developments.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				
Project Code	562/1167	Project Name	Stormwater Drainage - Heathcote Valley Drain	Project Manager	Brent Smith
Work Planned	Heathcote Valley drain naturalisation				
Special features being addressed	Heathcote Valley drain naturalisation				

Outcomes being addressed	Contribution to meeting the Community Outcomes of A Healthy City and An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				
Implications of not doing Project	No stormwater treatment prior to entering Avon-Heathcote estuary, leading to increased sedimentation and pollution				
Linkages with other Projects	Heathcote Valley Sports Park developments.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				
Project Code	562/768	Project Name	Stormwater Drainage - Hendersons Basin	Project Manager	Brent Smith
Work Planned	Development of ponding area.				
Special features being addressed	Development of ponding area.				
Outcomes being addressed	Contribution to meeting the Community Outcomes of An Attractive and Well-designed City and An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				
Implications of not doing Project	No stormwater treatment prior to entering Heathcote River, leading to increased sedimentation and pollution, risk of property flooding				
Linkages with other Projects	Land acquisition for Hendersons Basin				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				

Project Code	562/1656	Project Name	Stormwater Drainage - Richmond Hill	Project Manager	Brent Smith
Work Planned	Stormwater drainage improvements				
Special features being addressed	Improve drainage infrastructure to meet needs of community				
Outcomes being addressed	Contribution to meeting the Community Outcomes of A Safe City, A Healthy City and An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				
Implications of not doing Project	No stormwater treatment prior to entering Avon-Heathcote estuary, leading to increased sedimentation and pollution, risk of property flooding				
Linkages with other Projects	Stream restoration.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				
Project Code	562/908	Project Name	Stormwater Drainage - Snellings Drain	Project Manager	Brent Smith
Work Planned	Installation of drainage infrastructure				
Special features being addressed	Provision of drainage infrastructure to meet needs of community				
Outcomes being addressed	Contribution to meeting the Community Outcomes of A Safe City, A Healthy City and An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				
Implications of not doing Project	No stormwater treatment prior to entering Avon River, leading to increased sedimentation and pollution, risk of property flooding				

Linkages with other Projects	Other Snellings Drain catchment related works.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				
Project Code	562/815	Project Name	Stormwater Drainage - Snellings Drain No.2	Project Manager	Brent Smith
Work Planned	Installation of drainage infrastructure				
Special features being addressed	Provision of drainage infrastructure to meet needs of community				
Outcomes being addressed	Contribution to meeting the Community Outcomes of A Safe City, A Healthy City and An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				
Implications of not doing Project	No stormwater treatment prior to entering Avon River, leading to increased sedimentation and pollution, risk of property flooding				
Linkages with other Projects	Other Snellings Drain catchment related works.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				

ACTIVITY: PARKS & OPEN SPACES STORMWATER

PROGRAMME: NEW STORMWATER DRAINAGE LAND

PROJECTS:

Project Costs

Project Code	Project Name	Locality	Project Component	Total Projected Project Cost	Projected Costs Per Year					
					2005/ 2006	2006/ 2007	2007/ 2008	2008/ 2009	2009/ 2010	2010/ 2011
562/815	Stormwater Drainage - Hendersons Basin Land (SWAP)	Halswell East	Hendersons basin land	\$25,000,000		\$5,000,000	\$10,000,000	\$5,000,000	\$5,000,000	
562/815	Stormwater Drainage - SWAP	Halswell East	New drainage land	\$4,500,000						\$4,500,000

Project Attributes

Project Code	562/815	Project Name	Stormwater Drainage - Hendersons Basin Land (SWAP)	Project Manager	Richard Holland
Work Planned	Purchase of land for Hendersons Basin.				
Special features being addressed	Purchase of land for drainage purposes to cater for needs of community.				
Outcomes being addressed	Contribution to meeting the Community Outcome of An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				

Implications of not doing Project	Drainage needs of community not adequately catered for and managed, with potential for flooding of property.				
Linkages with other Projects	Stream restoration.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				
Project Code	562/815	Project Name	Stormwater Drainage - SWAP	Project Manager	Richard Holland
Work Planned	New land acquisition for detention basins and drainage swales within Southwest Christchurch.				
Special features being addressed	Purchase of land for drainage purposes to cater for needs of communities.				
Outcomes being addressed	Contribution to meeting the Community Outcome of An Attractive and Well-designed City, and the delivery of services under the Parks & Open Spaces Activity Management Plan.				
Options considered	Do nothing				
Implications of not doing Project	Drainage needs of communities not adequately catered for and managed, with potential for flooding of property.				
Linkages with other Projects	Hendersons Basin land acquisition, strategic SWAP reserve land purchases.				
Supporting information	Community Outcomes of Christchurch, LTCCP, Code of Practice for Urban Development, Waterways, Wetlands & Drainage Guide, City Plan, Natural Resource Regional Plan.				

SUPPORTING INFORMATION

NETWORK INFRASTRUCTURE DEVELOPMENT CONTRIBUTIONS:

Key Supporting Information	Relevance	Sources
Community Outcomes	Contributes to achieving the Community Outcomes of A Safe City, A Well-Governed City, A Healthy City, An Attractive & Well Designed City, A City of People Who Understand and Care For the Environment.	LTCCP, CCC Website, Libraries, Service Centres, CCC Civic Offices
LTCCP *	Contributes to achieving Levels of Service associated with the services of Stormwater Drainage and Protecting the Environment for the term of the Plan.	CCC Website, Libraries, Service Centres, CCC Civic Offices
Code of Practice for Urban Development	Sets standards for the development of infrastructure and the urban built environment.	Environmental Services Unit
Waterways, Wetlands & Drainage Guide	Sets standards for drainage and waterway design and gives guidelines for the development of waterways, wetlands and drainage infrastructure.	CCC Website, CCC Greenspace Unit
City Plan	States objectives, policies and rules for protection of the natural and built environment from the adverse effects of urban activities.	CCC Website, CCC Civic Offices, Libraries, Service Centres
Natural Resources Regional Plan (NRRP); water quantity, water quality, and activities in the beds of lakes and rivers.	On adoption the NRRP will set objectives, policies and rules to protect water quantity and quality and the beds of lakes and rivers from harmful activities.	Ecan Website, Ecan Offices

IMPORTANT NOTES:

* Areas of land projected to be acquired or purchased within the next 3-10 years are lineal projections based on past acquisitions/purchases and projected population figures. Fluctuations may occur from year to year due to larger areas of land being acquired/purchased in some years, with less land acquired/purchased in other years. The figures shown are an indication of the total amount of reserve and stormwater land Council is currently expected to acquire or purchase over the next 3-10 years. Please also note the affect of an open space assessment (scheduled to occur within the next 3 years via the Open Space Strategy) and the Banks Peninsula merger may also have an affect on these projected figures.

** These documents may be subject to review once the open space assessment has been undertaken via the Open Space Strategy.

Please also note there are several existing stormwater cost-sharing schemes in place (as disclosed within the LTCCP) that form part of the existing Development Contribution process, in the form of revenue gathered by Council.