

APPENDIX C

2017 DCC Bylaw - Water Distribution Project List

DCC Number	Project Name	Location (Street From - To)	Project Timing Range	Length (m)	Existing Diameter (mm)	Proposed Diameter (mm)	Total Project Cost	Allocated to Growth		Allocated to Existing	
								Percent	Cost	Percent	Cost
W17	Meadow Lane, Ham Bay to end	Meadow Lane Rd; Hammond Bay Rd to Kite Way, Kite Way to end of Road	2020	226.30	150.0	250	\$ 200,280	60%	\$ 120,168	40%	\$ 80,112
W25	Cranberry Connector to Wexford Rd	Cranberry Connector to Wexford Rd	10-20 Year				\$ 376,125	30%	\$ 112,838	70%	\$ 263,288
W48	Ham Bay Rd, Oakridge to w in Sherwood Esmnt	Hammond Bay Rd; Stephenson Point Rd to Prince John Way, Nottingham Dr to Stephenson Point Rd, Meadow Lane Rd	2017 10-20 Year >20 Years	1,313.85	150/200	250/300	\$ 1,385,053	60%	\$ 831,032	40%	\$ 554,021
W48	Ham Bay Rd, Vistaview to Williamson	Williamson Rd to Salmon Berry Way, Malaspina Rd to Vista View Cres, Salmon Berry Way to Malaspina Rd	10-20 Year	619.88	200.0	250	\$ 548,597	60%	\$ 329,159	40%	\$ 219,438
W48	Ham Bay Rd, Meadow Lane to Piper	Ham Bay Rd, Meadow Lane to Piper	10-20 Year	1,775.00	150.0	250	\$ 1,570,875	60%	\$ 942,525	40%	\$ 628,350
W49	Departure Bay Road, Uplands to Rock City	Departure Bay Road, Uplands to Rock City	2017	255.00	200	250	\$ 328,000	35%	\$ 114,800	65%	\$ 213,200
W51	Rebuild of City Wide Water Model and Calibration, City Wide Water Distribution Master Plan		2018-2020				\$ 450,000	40%	\$ 180,000	60%	\$ 270,000
W52	Albion St, Georgia to Bruce	Bruce Ave to Janies Pl, Janes Pl to Calverley, Calverley Pl to Georgia Ave, Bruce Ave to Janes Pl	10-20 Year	214.99	150	250	\$ 190,269	60%	\$ 114,161	40%	\$ 76,108
W53	Annsobel Circle, Sealand to end	Annsobel Circle (Sealand Rd to end of Annsobel Circle)	10-20 Year	102.21	150.0	250	\$ 90,457	50%	\$ 45,229	50%	\$ 45,229
W54	Bartlett St, Pryde to end of Adams	Bartlett St (Adams Ave to Pryde Ave), Adams Ave (End of Rd to Bartlett St)	10-20 Year	272.12	150/250	250	\$ 240,828	60%	\$ 144,497	40%	\$ 96,331
W55	Bowen Rd, Isl Hwy N to Rosstown	Whitney Road to Leam Rd, Leam Rd To Labieux, Labieux to Ciener Dr, Ciener Dr to Kenworth Rd, Rosstown Rd to Whitney Rd, Kenworth Rd to Island Hwy N	10-20 Year/ >20 Years	1,354.86	150/200/250	300	\$ 1,280,346	60%	\$ 768,208	40%	\$ 512,138
W56	Bruce Ave, Albion to Fifth	Albion St to Fourth St, Fifth St to Albion St	10-20 Year >20 Years	432.05	150/200	250	\$ 382,363	60%	\$ 229,418	40%	\$ 152,945
W57	Bruce Ave, Tenth to Ninth	Bruce Ave (Ninth St to Tenth St)	10-20 Year >20 Years	414.52	150/200	200	\$ 341,980	100%	\$ 341,980	0%	\$ -
W58	Buttertubs Dr, Bowen to end	Buttertubs Dr (Bowen Rd to Menzies Ridge Dr)	>20 Years	466.64	200	300	\$ 440,977	100%	\$ 440,977	0%	\$ -
W59	Cienar Dr, Shenton to Bowen	Cienar Dr (Shenton Rd to Bowen Rd)	2023	412.37	150/200	250	\$ 364,945	60%	\$ 218,967	40%	\$ 145,978
W60	Dep Bay & Smugglers Hill Area	NEW PIPE	10-20 Year	684.20		250	\$ 605,517	60%	\$ 363,310	40%	\$ 242,207
W61	Dover Rd, FH 47047 to end	Mary Ellen to Schtook Rd, Mary Ellen Dr to 40m East	10-20 Year/ >20 Years	296.13	200	300	\$ 279,840	60%	\$ 167,904	40%	\$ 111,936
W62	Estevan Rd, Hemlock to St George	Princess Royal Ave; Hemlock to Juniper, Juniper to George	10-20 Year >20 Years	193.14	200/250	250	\$ 170,931	60%	\$ 102,559	40%	\$ 68,372
W63	Fifth & Pine Area		>20 Years	201.00	150/200	250	\$ 105,834	100%	\$ 105,834	0%	\$ -
W64	Howden Dr, Ross to Esmnt	Ross Rd Esmnt between end of Howden and end of Crystal	10-20 Year	217.22	200.0	250	\$ 189,000	60%	\$ 113,400	40%	\$ 75,600
W65	Ashlee Rd, Holland to Towerview	Ashlee Rd (Towerview Cres to Holland Rd)	2023	228.93	150/200	250	\$ 202,599	60%	\$ 121,558	40%	\$ 81,041
W66	Jingle Pot Rd, Shenton to Labieux	Jingle Pot Rd (Labieux Rd to Chantrells Pl)	10-20 Year >20 Years	394.08	150/200/250	250	\$ 348,761	60%	\$ 209,257	40%	\$ 139,504
W67	Kenworth Rd, Shenton to Bowen	Shenton Rd to Hayes Rd, Hayes Rd to Bowen Rd	2021	389.33	150/200	250	\$ 344,557	60%	\$ 206,734	40%	\$ 137,823
W68	Labieux Rd, Jingle Pot to Pheasant	Labieux Rd; Black Franks Dr, Meadow Lark Trail, Duggan Pl to Black Franks Dr, Meadow Lark Trail to Pheasant Terr, White Court Way to Duggan Pl, Cobblestone Pl to White Court Way, Ardoon Pl to Cobblestone Pl, Jingle Pot Rd to Ardoon Pl	10-20 Year >20 Years	879.56	150/200	250	\$ 778,417	60%	\$ 467,051	40%	\$ 311,366
W69	RoW at end of Linley Valley Dr	NEW PIPE	10-20 Year	285.50		300	\$ 269,798	60%	\$ 161,879	40%	\$ 107,919
W70	Norasea Rd, Ham Bay to Oceanview	Norasea Rd (Westdale Rd towards Oceanview Terr)	10-20 Year >20 Years	149.06	150/200	200/300	\$ 135,790	93%	\$ 126,030	7%	\$ 9,760
W71	Nova St, Howard to end	Nova St (Holly Hill to Howard Ave)	2021	155.98	150/200	250	\$ 138,040	60%	\$ 82,823	40%	\$ 55,217
W72	Old Victoria and Melideo Area	Old Victoria Rd (~20m south of McKenzie Rd to Lane), Melideo Road WM (Old Victoria to Island Hwy)	2019 10-20 Year	383.45	150/200	250	\$ 339,353	100%	\$ 339,353	0%	\$ -
W73	Pheasant Terr, Labieux to Rosstown	Pheasant Terr; Rosstown Rd to Starlight Trail, Willow Grouse Cres to Labieux Rd, Starlight Trail to Willow Grouse Cres)	10-20 Year >20 Years	396.58	150	250	\$ 350,972	60%	\$ 210,583	40%	\$ 140,389

2017 DCC Bylaw - Water Distribution Project List

DCC Number	Project Name	Location (Street From - To)	Project Timing Range	Length (m)	Existing Diameter (mm)	Proposed Diameter (mm)	Total Project Cost	Allocated to Growth		Allocated to Existing	
								Percent	Cost	Percent	Cost
W74	Pine Ridge Cres Area	Not in roadway (Pine Ridge Cres to Turner Rd, along Island Highway N), Pine Ridge Cres (Spartan Rd to end of Pine Ridge Cres)	2023	603.45	150.0	300	\$ 560,639	60%	\$ 336,382	40%	\$ 224,257
W75	Pine St Esmt WM (510 Pine to Albert)	Lane parallel to Pine St (Albert St to Lane)	2021	140.28	150.0	250	\$ 124,147	60%	\$ 74,488	40%	\$ 49,659
W76	Ross Rd WM (Marsh Wren to Norwell) - PH 1 and 2	Ross Road; Emerald Dr to Norwell Dr, Emerald Dr to Knight Rd, ~15m East of March Wren Pl to Shammys Pl, Shammys Pl to Emerald Dr	2021 2026	1,115.85	200.0	250/300	\$ 1,007,481	60%	\$ 604,488	40%	\$ 402,993
W77	Rosstown Rd, Master to Boxwood	Rosstown Rd; Mountain Vista Dr to Briarwood Pl, Woodside Pl to Whitney Rd, Sun Valley Dr to Sparrow Ln, Pheasant Terr to Sun Valley Dr, Master Rd to Pheasant Terr, Woodside Pl to Whitney Rd, Briarwood Pl to Woodside Pl	10-20 Year >20 Years	1,479.76	150/200/250	250	\$ 1,309,587	60%	\$ 785,753	40%	\$ 523,834
W78	Rosstown Rd (Boxwood to Bowen Rd)	Rosstown Rd (Boxwood to Bowen Rd)	2021	243.57	150/200	250	\$ 215,559	60%	\$ 129,335	40%	\$ 86,224
W79	Shenton Rd, Jingle Pot to Kenworth	Shenton Rd; Gava Pl to Kenworth Rd, Diver Rd to Gava Pl, Jingle Pot Rd to Diver Rd	10-20 Year >20 Years	993.62	200	250	\$ 879,352	60%	\$ 527,610	40%	\$ 351,742
W80	Stephenson Point Rd, Ham Bay to valve at pipe dia change	Stephenson Point Rd (~ 155m east from Hammond Bay Rd)	10-20 Year	157.97	200	250	\$ 139,805	60%	\$ 83,882	40%	\$ 55,923
W81	Wakesiah & Third Area	Wakesiah Ave; Third St to Beaconsfield Rd, Beaconsfield Rd to Montague Rd, Montague Rd to Second, Second St to First St. Third St; Hillcrest Ave to Wakesiah Ave, Lambert Ave to Hillcrest Ave, Watfield Ave to Lambert Ave. Watfield Ave; Sperling Rd to Third St. Sperling Rd; Foster St to Watfield Ave. Hillcrest Ave; Fourth St to Foster St.	0-5 Year 5-10 Year 10-20 Year >20 Years	1,796.69	150/200	250	\$ 1,590,071	60%	\$ 954,043	40%	\$ 636,028
2017-2041							18,277,145	62%	11,208,213	38%	7,068,932



City of Nanaimo
2017
Water DCC
Project Map

Legend

 Water DCC Project

Published: May 9, 2017
0 625 1,250 2,500
Meters
1:65,000



DISCLAIMER

This map is intended for general information only. The City of Nanaimo makes no representation or warranty regarding the accuracy or completeness of the information presented and assumes no responsibility for any damage, loss or injury resulting from the use of this product.

Engineering and Public Works Project Summary Sheet

DCC W17: (60% Growth) Meadow Lane, Ham Bay to End

Project:

Components:

799 DCC W17: (60% Growth) Meadow Lane, Ham Bay to End

2020 Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
200,280	0	120,168	80,112	0	0
200,280	0	120,168	80,112	0	0

Project Description:

Upsize 226m of 150mm diameter AC watermain to 250mm diameter on Meadow Lane from Ham Bay to end

Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 240 l/s for Land Use R8 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W25: (30% Growth) Cranberry Connector to Wexford Road

Project:

Components:

800 DCC W25: (30% Growth) Cranberry Connector to Wexford Road

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
376,125	0	112,838	263,288	0	0
376,125	0	112,838	263,288	0	0

Project Description:

Install 425m of new 250mm diameter PVC watermain on Cranberry Connector to Wexford Rd

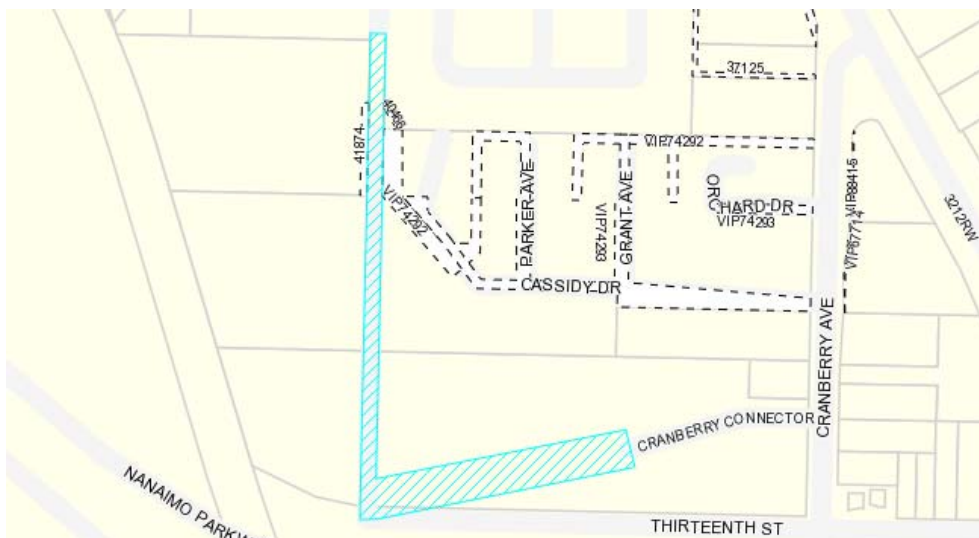
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

New 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of >245 l/s for Commercial Land Use in area as per Koers 1998 South Nanaimo Water Study

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W48 (60% Growth) Ham Bay Rd WM, Vistaview to Williamson

Project:

Components:

2218 DCC W48 (60% Growth)
Ham Bay Rd WM, Vistaview to
Williamson

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
548,597	0	329,159	219,438	0	0
548,597	0	329,159	219,438	0	0

Project Description:

Upsize 620m of 200mm diameter AC watermain to 250mm diameter on Hammond Bay Rd from Vistaview to Williamson

Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 240 l/s for Land Use R8 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W48: (60% Growth) Hammond Bay WM, Meadow Lane to Piper

Project:

Components:

2241 DCC W48: (60% Growth) Hammond Bay WM, Meadow Lane to Piper

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
1,570,875	0	942,525	628,350	0	0
1,570,875	0	942,525	628,350	0	0

Project Description:

Upsize 1775m of 150mm diameter AC watermain to 250mm diameter on Hammond Bay Rd from Meadow Lane to Piper

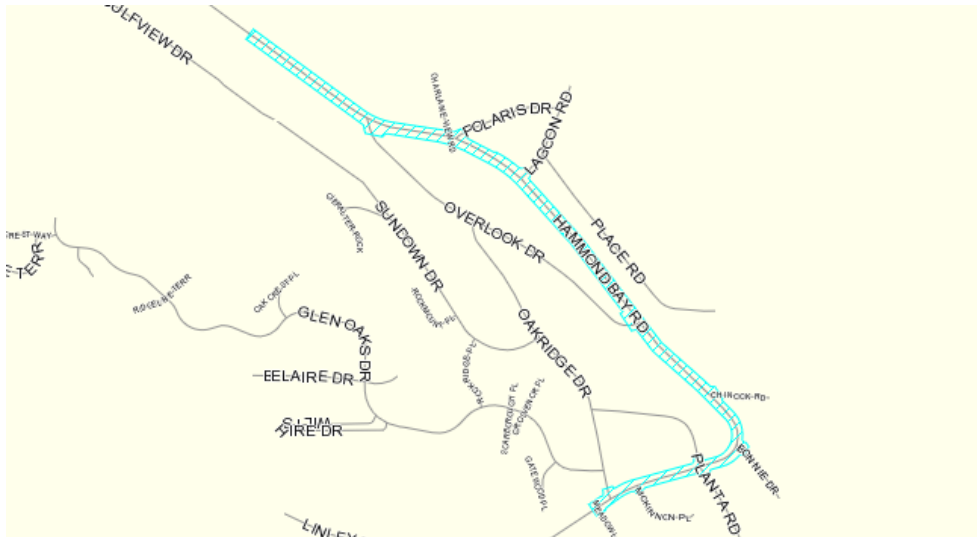
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Commercial Land Uses in area as per Koers 2017 Ham Bay Water Review TM #4.

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W48: (60% Growth) Ham Bay Rd WM, Oakridge to wm in Sherwood Esmnt

Project:

Components:

2239 DCC W48: (60% Growth) Ham Bay Rd WM, Oakridge to wm in Sherwood Esmnt

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
1,385,053	0	831,032	554,021	0	0
1,385,053	0	831,032	554,021	0	0

Project Description:

Upsize 1414m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Ham Bay Rd, Oakridge to wm in Sherwood Esmnt (except section between 3144 Ham Bay to 154 Nottingham on Ham Bay)

Asset Management Description of Work:

Upgrades – Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for for Land Use W2

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

Project:

DCC W49: (35% Growth) Departure Bay Road WM (Uplands to Rock City Road)

Components:

1715 DCC W49: (35% Growth)
Departure Bay Road WM (Uplands to
Rock City Road)

2017 Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
328,000	0	114,800	213,200	0	0
328,000	0	114,800	213,200	0	0

Project Description:

Upsize 255m of 200mm diameter AC watermain to 250mm diameter on Departure Bay Road from Uplands to Rock City

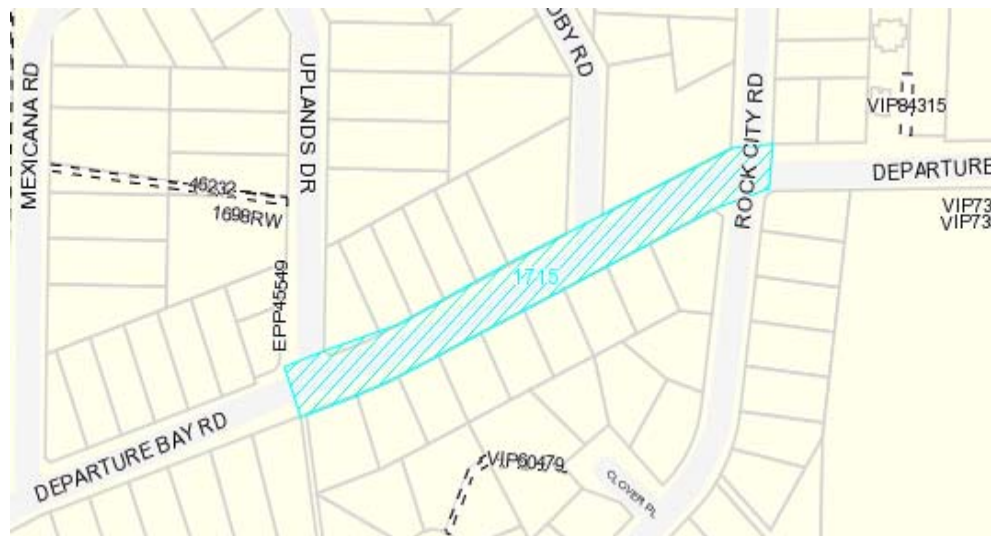
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Commercial Land Uses in area as per AE 2008 Water Modelling TM.

Project Map:



Engineering and Public Works Project Summary Sheet

DCC W52: (60% Growth) Albion St WM, Georgia to Bruce

Project:

Components:

2216 DCC W52: (60% Growth) Albion St WM, Georgia to Bruce

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
190,269	0	114,161	76,108	0	0
190,269	0	114,161	76,108	0	0

Project Description:

Upsize 215m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Albion Street from Georgia to Bruce

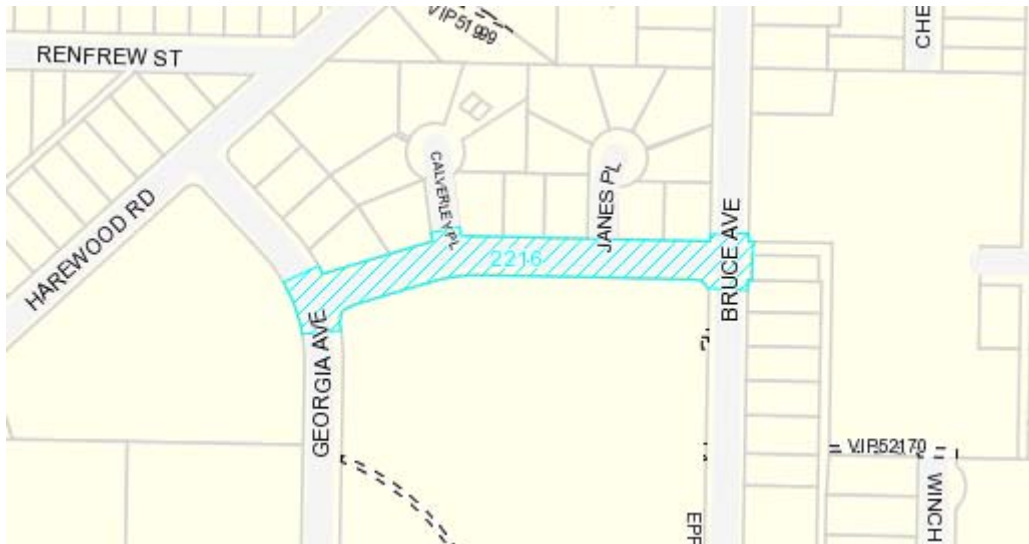
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use CC3 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W53: (50% Growth) Annsobel Circle WM, Sealand to end

Project:

Components:

2232 DCC W53:
(50% Growth)
Annsobel Circle WM,
Sealand to end

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
90,457	0	45,229	45,229	0	0
90,457	0	45,229	45,229	0	0

Project Description:

Upsize 102m of 150mm diameter AC watermain to 250mm diameter on Annsobel Circle from Sealand to end

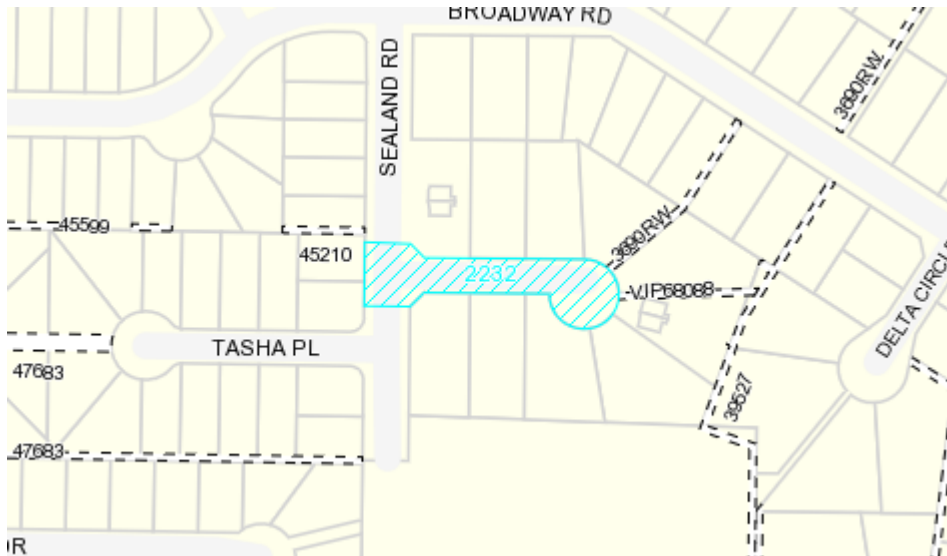
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 150 l/s for Land Use R4 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W54: (60% Growth) Bartlett St WM, Pryde to end of Adams

Project:

Components:

1832 DCC W54: (60% Growth) Bartlett St WM, Pryde to end of Adams	Funding					
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
	240,828	0	144,497	96,331	0	0
	240,828	0	144,497	96,331	0	0

Project Description:

Upsize 272m of 150/200mm diameter CI/PVC watermain to 250mm diameter on Bartlett Street from Pryde to end of Adams

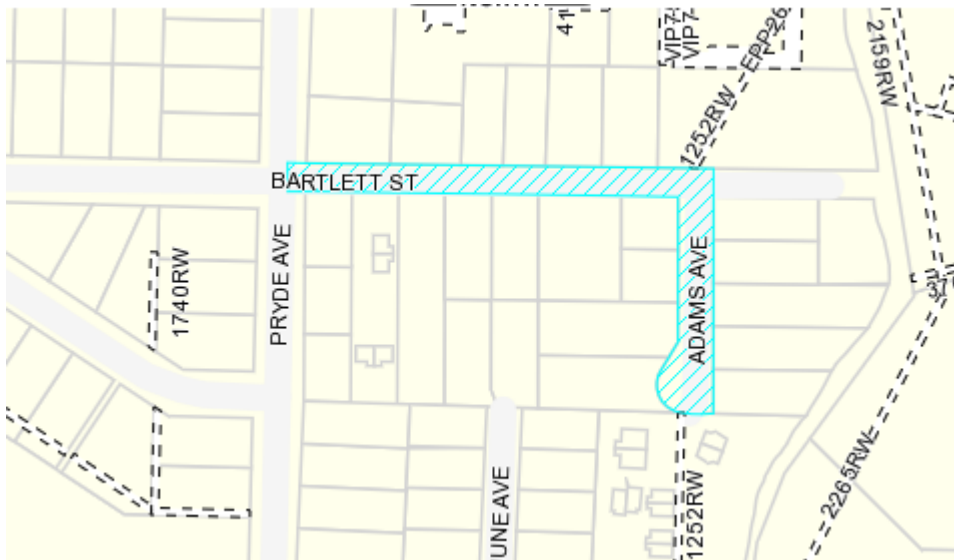
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use R6 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W55: (60% Growth) Bowen Rd WM, Isl Hwy N to Rosstown

Project:

Components:

2238 DCC W55:
(60% Growth)
Bowen Rd WM, Isl
Hwy N to Rosstown

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
1,280,346	0	768,208	512,138	0	0
1,280,346	0	768,208	512,138	0	0

Project Description:

Upsize 1355m of 150/200/250mm diameter CI/PVC/AC watermain to 300mm diameter on Bowen Road from Isl Hwy N to Rosstown

Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 300mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W56: (60% Growth) Bruce Ave WM, Albion to Fifth

Project:

Components:

2236 DCC W56:
(60% Growth) Bruce
Ave WM, Albion to
Fifth

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
382,363	0	229,418	152,945	0	0
382,363	0	229,418	152,945	0	0

Project Description:

Upsize ~430m of 150mm/200mm diameter AC/PVC to 250mm diameter on Bruce Ave from Albion to Fifth.

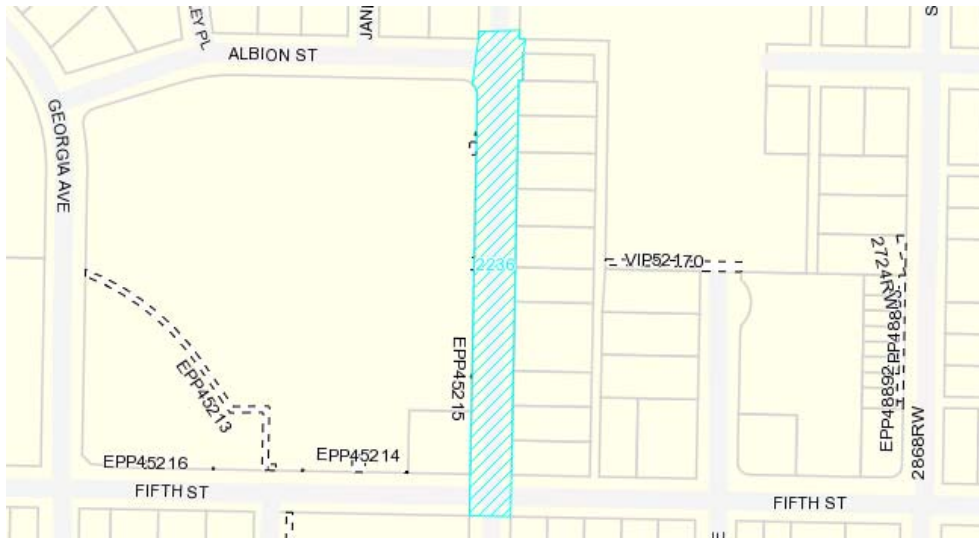
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

To provide 300 l/s fire flows for Land Use CC3 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W57: (100% Growth) Bruce Ave WM, Tenth to Ninth

Project:

Components:

	Funding					
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2211 DCC W57: (100% Growth) Bruce Ave WM, Tenth to Ninth	341,980	0	341,980	0	0	0
	341,980	0	341,980	0	0	0

Project Description:

Upsize 415m of 150mm diameter PVC/AC watermain to 200mm diameter on Bruce Ave from Tenth to Ninth

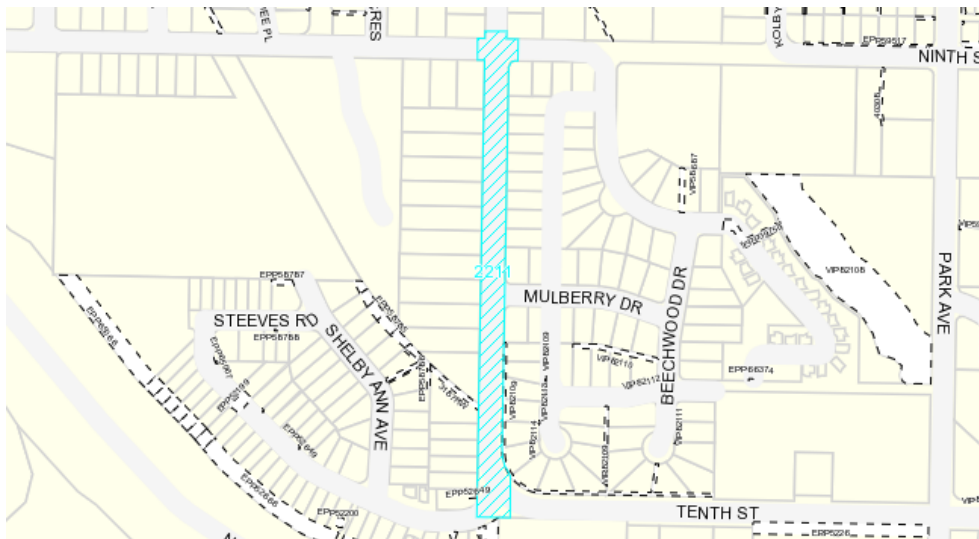
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 200mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 75 l/s for Land Use R10 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W58: (100% Growth) Buttertubs Dr WM, Bowen to end

Project:

Components:

2220 DCC W58:
(100% Growth)
Buttertubs Dr WM,
Bowen to end

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
440,977	0	440,977	0	0	0
440,977	0	440,977	0	0	0

Project Description:

Upsize 467m of 200mm diameter PVC watermain to 300mm diameter on Buttertubs Drive from Bowen to end

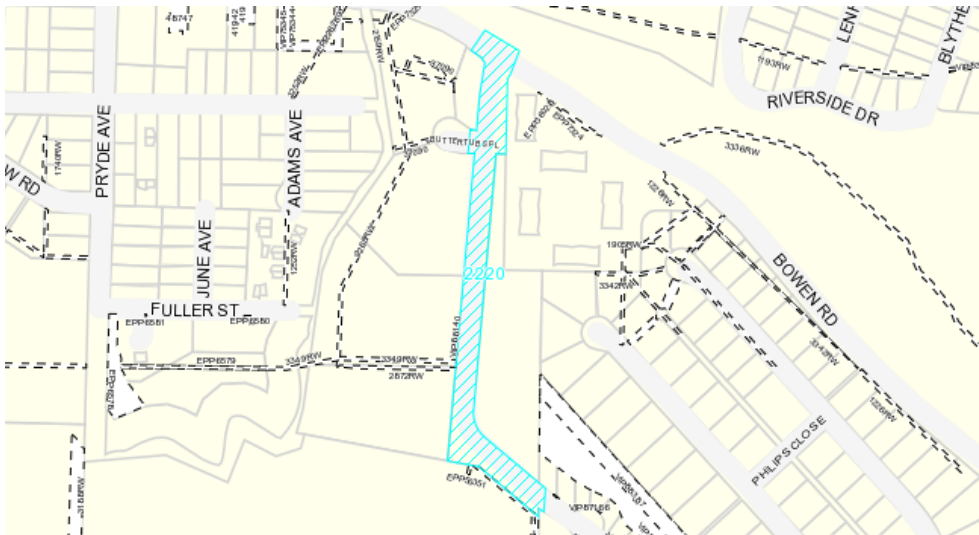
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 300mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W59: (60% Growth) Cienar Dr WM, Shenton to Bowen

Project:

Components:

	2023	Funding				
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2229 DCC W59: (60% Growth) Cienar Dr WM, Shenton to Bowen	364,945	0	218,967	145,978	0	0
	364,945	0	218,967	145,978	0	0

Project Description:

Upsize 412m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Cienar Drive from Shenton to Bowen

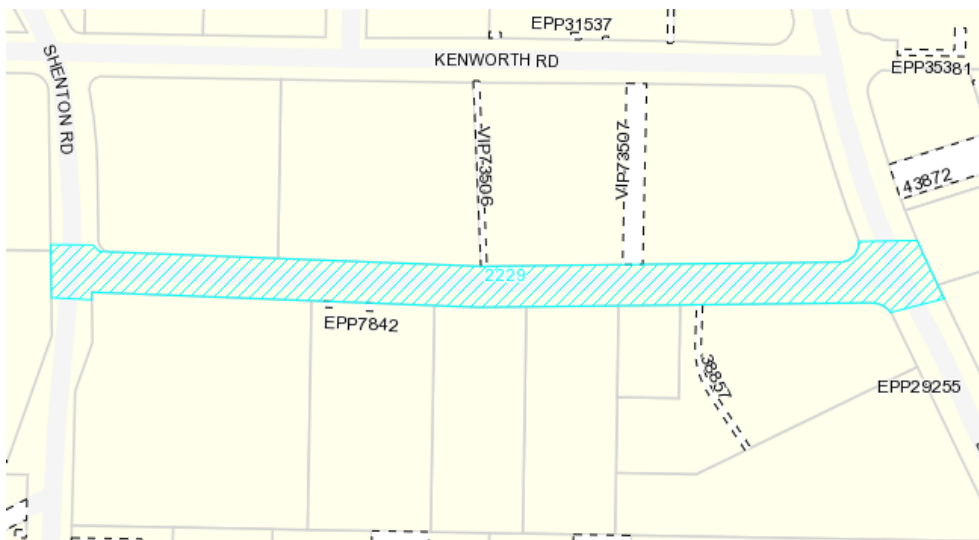
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use I2 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

DCC W60: (60% Growth) Dep Bay & Smugglers Hill Area WM

Project:

Components:

	Funding					
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2230 DCC W60: (60% Growth) Dep Bay & Smugglers Hill Area WM	605,517	0	363,310	242,207	0	0
	605,517	0	363,310	242,207	0	0

Project Description:

Install 684m of new 250mm diameter PVC watermain on Dep Bay & Smugglers Hill Area

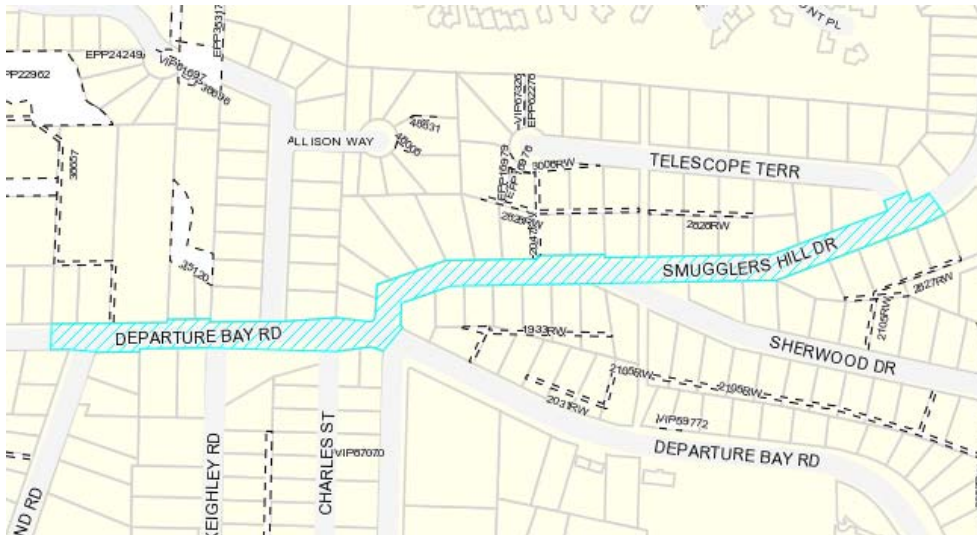
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 150 l/s for Land Use R4 as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

DCC W61: (60% Growth) Dover Rd WM, FH 47047 to end

Project:

Components:

	Funding					
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2221 DCC W61: (60% Growth) Dover Rd WM, FH 47047 to end	279,840	0	167,904	111,936	0	0
	279,840	0	167,904	111,936	0	0

Project Description:

Upsize 300m of 200mm diameter PVC watermain to 300mm diameter on Dover Rd from FH 47047 to end

Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 300mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use CC4 as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

DCC W62: (60% Growth) Estevan Rd WM, Hemlock to St George

Project:

Components:

2214 DCC W62: (60% Growth) Estevan Rd WM, Hemlock to St George

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
170,931	0	102,559	68,372	0	0
170,931	0	102,559	68,372	0	0

Project Description:

Upsize 195m of 200mm diameter PVC/CI watermain to 250mm diameter on Estevan Road from Hemlock to St George

Asset Management Description of Work:

Growth – Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

Project: DCC W63: (100% Growth) Fifth & Pine Area WM

Components:

	Budget	Funding				
		General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2242 DCC W63: (100% Growth) Fifth & Pine Area WM	106,000	0	106,000	0	0	0
	106,000	0	106,000	0	0	0

Project Description:

Upsize 201m of 150/200mm diameter DI watermain to 250mm diameter in the Fifth & Pine Area

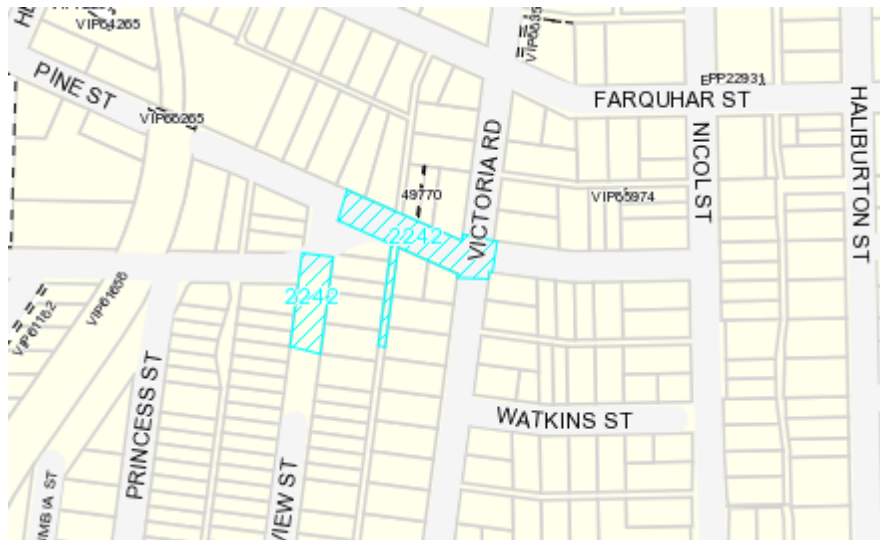
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W64: (60% Growth) Ross Rd Esmt WM (between end of Howden and end of Crystal)

Project:

Components:

2237 DCC W64: (60% Growth) Ross Rd Esmt WM (between end of Howden and end of Crystal)

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
189,000	0	113,400	75,600	0	0
189,000	0	113,400	75,600	0	0

Project Description:

Upsize 217m of 200mm diameter PVC watermain to 250mm diameter in RoW from end of Howden Dr to end of Crystal Pl

Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 150 l/s for Land Use R4 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W65: (60% Growth) Ashlee WM (Holland to Towerview)

Project:

Components:

	2023	Funding				
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2219 DCC W65 (60% Growth) Ashlee WM (Holland to Towerview)	202,599	0	121,558	81,041	0	0
	202,599	0	121,558	81,041	0	0

Project Description:

Upsize 229m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Ashlee Rd from Towerview Cres to Holland Rd

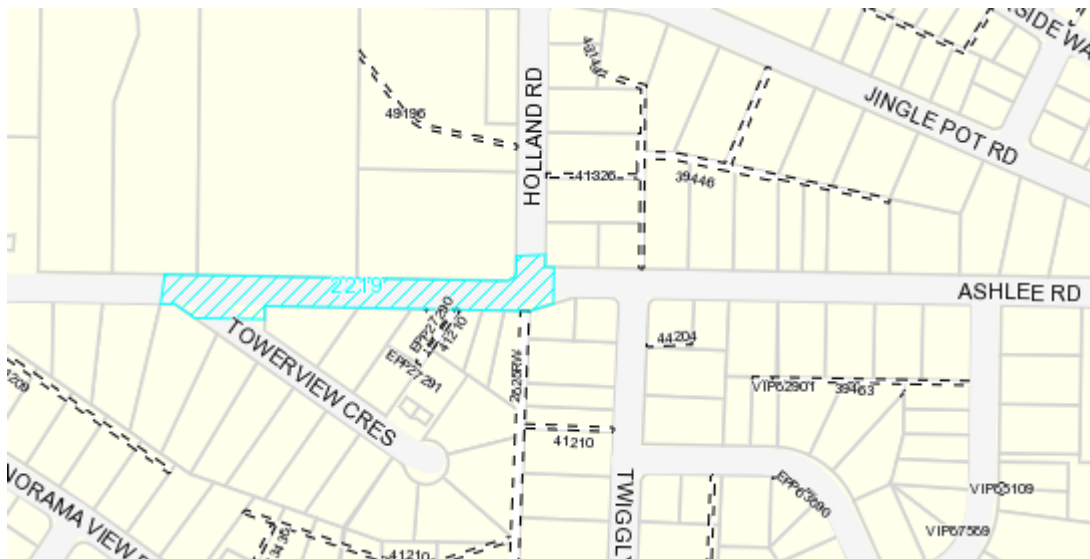
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 150 l/s for Land Use R4 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W66: (60% Growth) Jingle Pot Rd WM, Shenton to Labieux

Project:

Components:

2226 DCC W66:
(60% Growth) Jingle
Pot Rd WM, Shenton
to Labieux

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
348,761	0	209,257	139,504	0	0
348,761	0	209,257	139,504	0	0

Project Description:

Upsize 395m of 150/200mm diameter AC watermain to 250mm diameter on Jingle Pot Rd from Shenton to Labieux

Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W67: (60% Growth) Kenworth Rd WM, Shenton to Bowen

Project:

Components:

2228 DCC W67:
(60% Growth)
Kenworth Rd WM,
Shenton to Bowen

2021 Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
344,557	0	206,734	137,823	0	0
344,557	0	206,734	137,823	0	0

Project Description:

Upsize 390m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Kenworth Rd from Shenton to Bowen

Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use I2 as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

DCC W68: (60% Growth) Labieux Rd WM, Jingle Pot to Pheasant

Project:

Components:

2225 DCC W68: (60% Growth) Labieux Rd WM, Jingle Pot to Pheasant

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
778,417	0	467,051	311,366	0	0
778,417	0	467,051	311,366	0	0

Project Description:

Upsize 880m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Labieux Rd from Jingle Pot to Pheasant

Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 200 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W69: (60% Growth) RoW at end of Linley Valley Dr WM

Project:

Components:

2231 DCC W69:
(60% Growth) RoW
at end of Linley
Valley Dr WM

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
269,798	0	161,879	107,919	0	0
269,798	0	161,879	107,919	0	0

Project Description:

Install 285m of new 300mm diameter PVC watermain at end of Linley Valley Dr

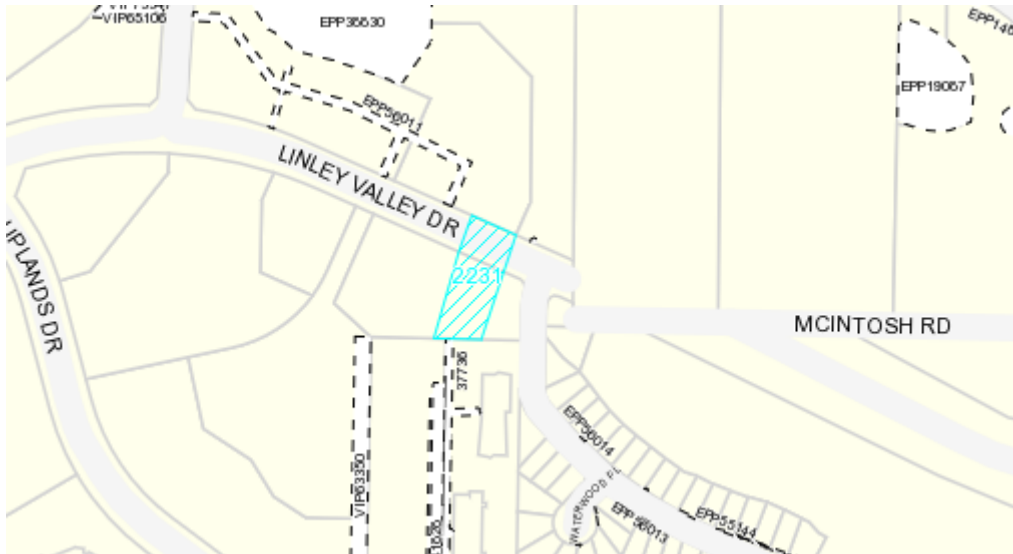
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

300mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W70: (93% Growth) Norasea Rd WM, Ham Bay to Oceanview

Project:

Components:

2212 DCC W70: (93% Growth) Norasea Rd WM, Ham Bay to Oceanview

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
135,790	0	126,030	9,760	0	0
135,790	0	126,030	9,760	0	0

Project Description:

Upsize 150m of 150/200mm diameter AC/PVC watermain to 300mm diameter on Norasea Rd from Ham Bay to Oceanview

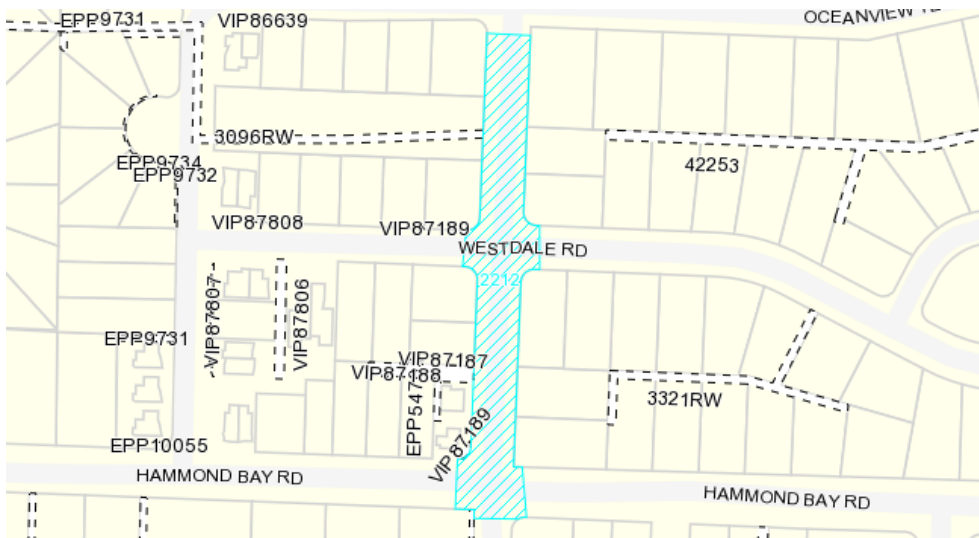
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 300mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 150 l/s for Land Use R4 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W71: (60% Growth) Nova St WM, Howard to end

Project:

Components:

2217 DCC W71
(60% Growth) Nova
St WM, Howard to
end

2021 Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
138,040	0	82,823	55,217	0	0
138,040	0	82,823	55,217	0	0

Project Description:

Upsize 156m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Nova St from Howard to end

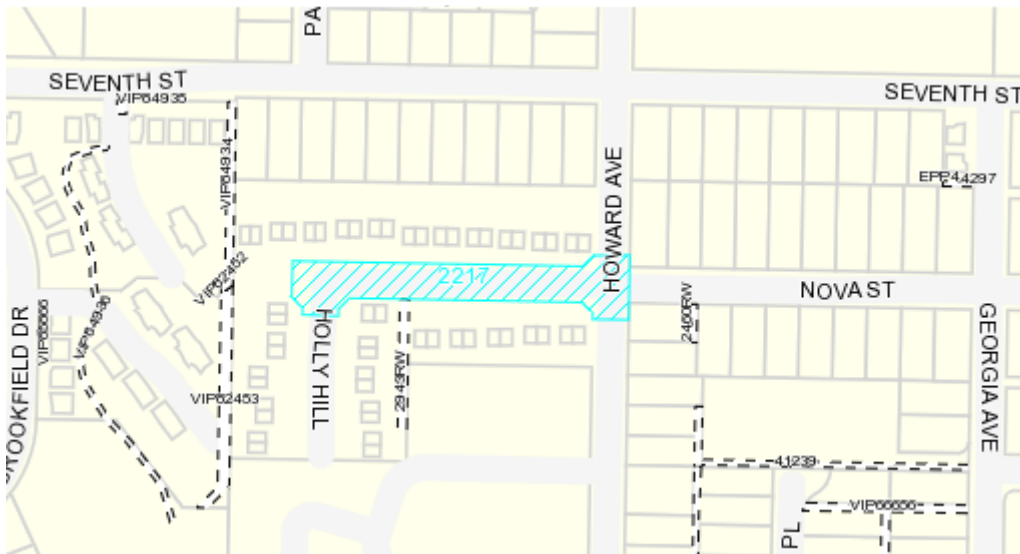
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 150 l/s for Land Use R4 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W72: (100% Growth) Old Victoria Road WM (McKenzie to Melideo)

Project:

Components:

1934 DCC W72 (100% Growth)
Old Victoria Road WM (McKenzie
to Melideo)

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
227,401	0	0	227,401	0	0
227,401	0	0	227,401	0	0

Project Description:

Upsize 260m of 150mm diameter AC/PVC watermain to 250mm diameter on Old Victoria Rd from ~20m south of McKenzie Rd to Lane

Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Industrial
as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W72: (100% Growth) Melideo Road WM (Old Victoria to Island Hwy)

Project:

Components:

1831 DCC W72: (100% Growth)
Melideo Road WM (Old Victoria to
Island Hwy)

2019 Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
111,870	0	111,870	0	0	0
111,870	0	111,870	0	0	0

Project Description:

Upsize 126m of 150/200mm diameter AC/PVC watermain to 250mm diameter in Lane from Old Victoria Rd to Island Hwy S

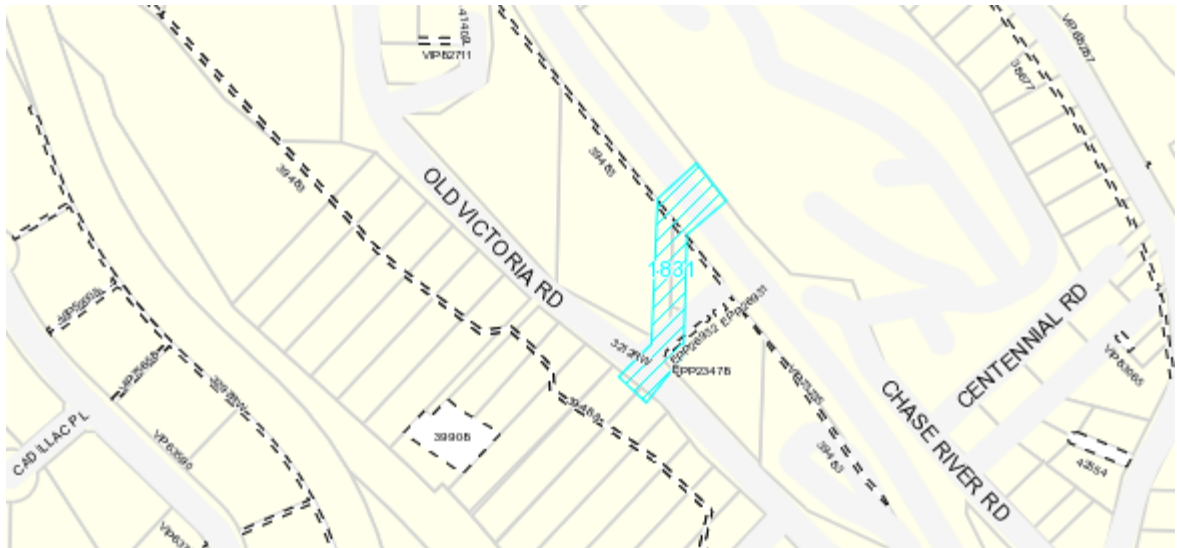
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Industrial as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W73: (60% Growth) Pheasant Terr WM, Labieux to Rosstown

Project:

Components:

2224 DCC W73:
(60% Growth)
Pheasant Terr WM,
Labieux to Rosstown

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
350,972	0	210,583	140,389	0	0
350,972	0	210,583	140,389	0	0

Project Description:

Upsize 400m of 150mm diameter AC watermain to 250mm diameter on Pheasant Terrace from Labieux to Rosstown

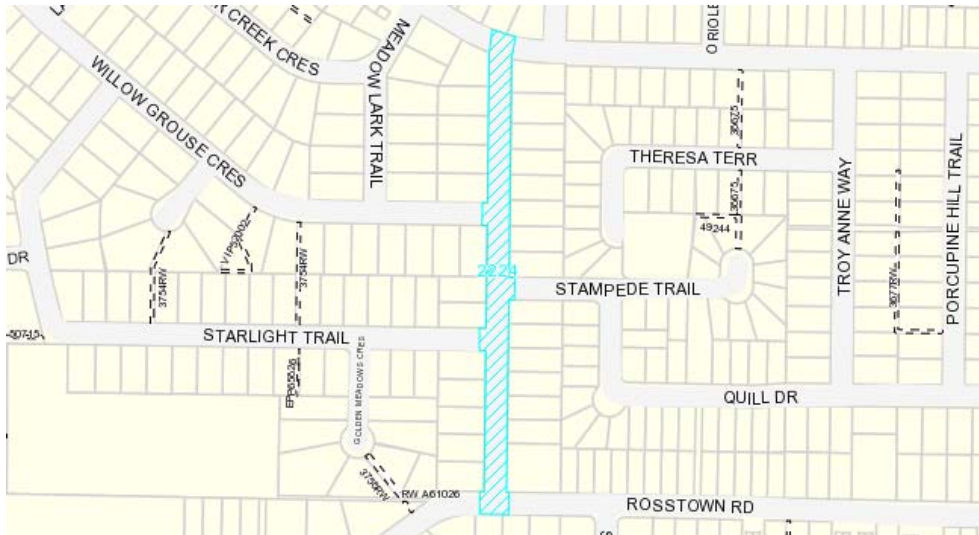
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W74: (60% Growth) Pine Ridge Cres Area WM

Project:

Components:

2222 DCC W74:
(60% Growth) Pine
Ridge Cres Area
WM

2023	Funding					
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
	560,639	0	336,382	224,257	0	0
	560,639	0	336,382	224,257	0	0

Project Description:

Upsize 600m of 150mm diameter AC/PVC watermain to 300mm diameter in Pine Ridge Cres Area

Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 300mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

Project: DCC W75: (60% Growth) Pine St Esmt WM (510 Pine to Albert)

Components:

	2021	Funding				
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
1849 DCC W75: (60% Growth) Pine St Esmt WM (510 Pine to Albert)	124,147	0	74,488	49,659	0	0
	124,147	0	74,488	49,659	0	0

Project Description:

Upsize 140m of 150mm diameter CI/PVC watermain to 250mm diameter on Pine St Esmt from Albert to end

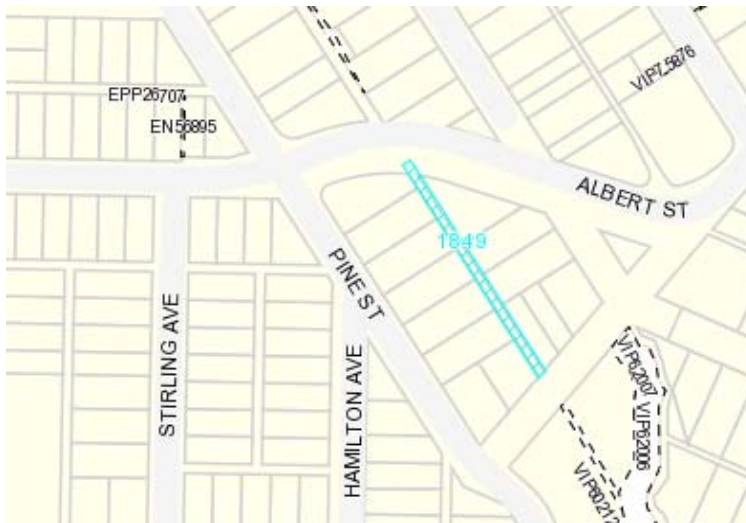
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 140 l/s for Land Use R15 as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

Project:

DCC W76: (60% Growth) Ross Rd WM (Emerald to Norwell) - PH 2

Components:

	2026	Funding				
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2283 DCC W76: (60% Growth) Ross Rd WM (Emerald to Norwell) - PH 2	487,366	0	292,419	194,947	0	0
	487,366	0	292,419	194,947	0	0

Project Description:

Upsize ~530m of 200mm diameter AC watermain to 300mm diameter on Ross Road from Emerald to Norwell - PH 2

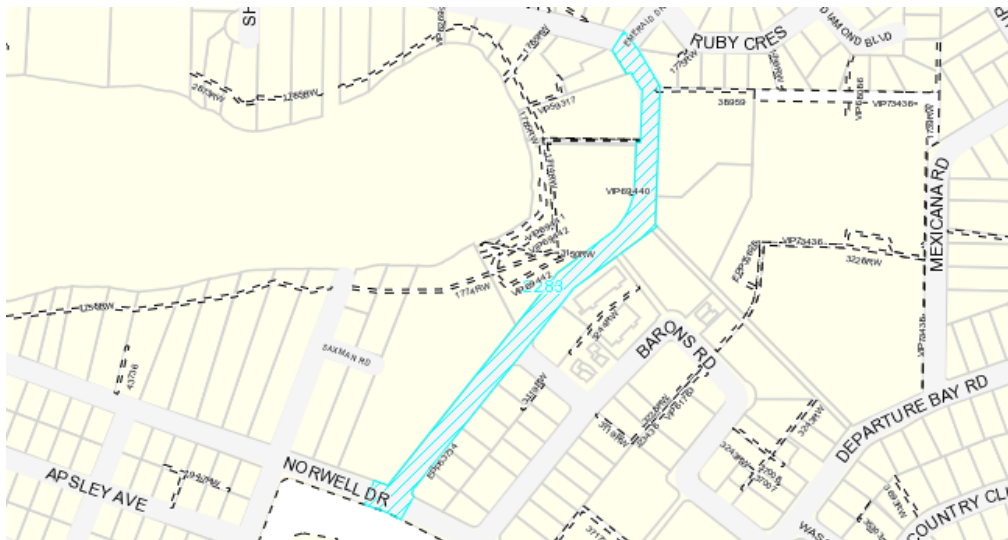
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250/300mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

DCC W76: (60% Growth) Ross Rd WM (Emerald to Marsh Wren) - PH 1

Project:

Components:

2223 DCC W76: (60% Growth) Ross Rd WM (Emerald to Marsh Wren) - PH 1

2021 Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
520,115	0	312,069	208,046	0	0
520,115	0	312,069	208,046	0	0

Project Description:

Upsize 1115m of 200mm diameter AC watermain to 250/300mm diameter on Ross Rd from Norwell to Marsh Wren

Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250/300mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W77: (60% Growth) Rosstown Rd WM, Master to Boxwood

Project:

Components:

1935 DCC W77: (60% Growth) Rosstown Rd WM, Master to Boxwood

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
1,309,587	0	785,753	523,834	0	0
1,309,587	0	785,753	523,834	0	0

Project Description:

Upsize 1480m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Rosstown Rd from Master to Boxwood

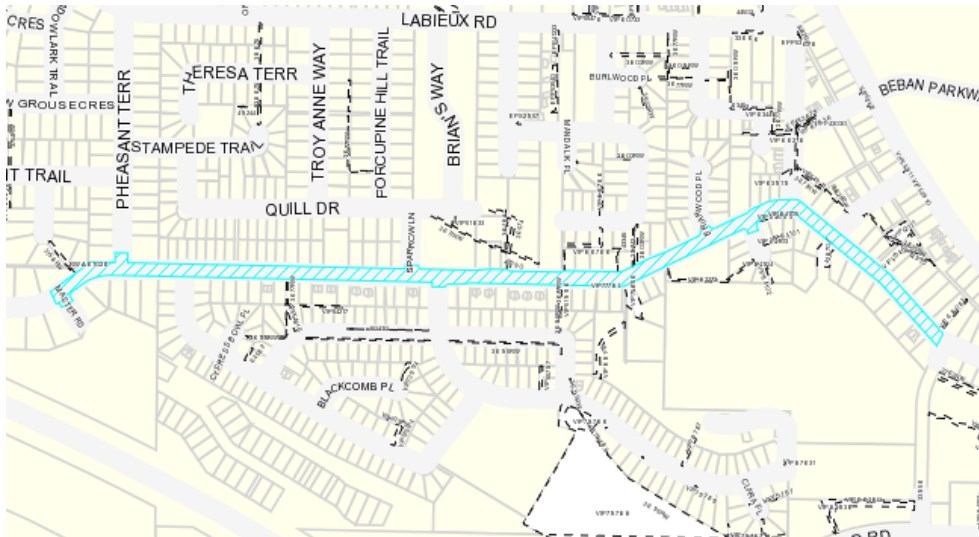
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

Project:

DCC W78: (60% Growth) Rosstown Road WM (Boxwood to Bowen)

Components:

1769 DCC W78: (60% Growth) Rosstown Road WM (Boxwood to Bowen)

2021 Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Source s
215,559	0	129,335	86,224	0	0
215,559	0	129,335	86,224	0	0

Project Description:

Upsize 245m of 150/200mm diameter AC/PVC watermain to 250mm diameter on Rosstown Rd from Whitney Rd to Bowen Rd

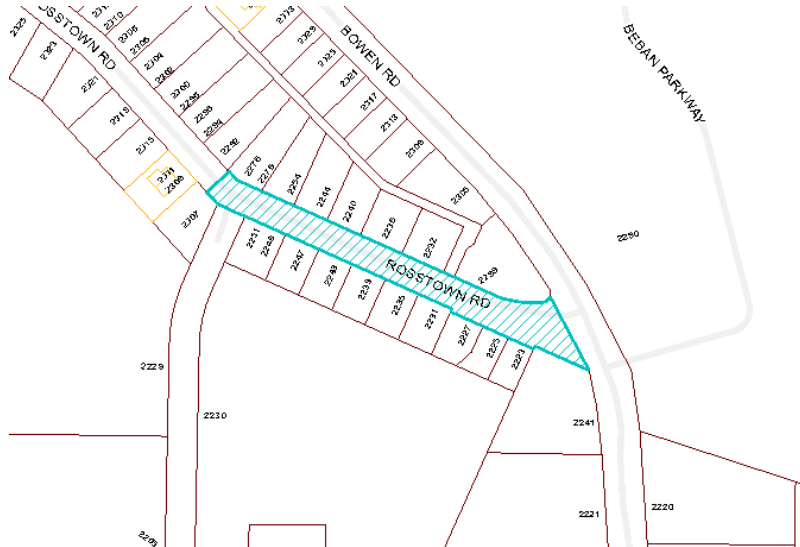
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W79: (60% Growth) Shenton Rd WM, Jingle Pot to Kenworth

Project:

Components:

2227 DCC W79:
(60% Growth)
Shenton Rd WM,
Jingle Pot to
Kenworth

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
879,352	0	527,610	351,742	0	0
879,352	0	527,610	351,742	0	0

Project Description:

Upsize 995m of 200mm diameter AC/PVC/DI watermain to 250mm diameter on Shenton Rd from Jingle Pot to Kenworth

Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

DCC W80: (60% Growth) Stephenson Point Rd WM, Ham Bay to valve at pipe dia change

Project:

Components:

2213 DCC W80: (60% Growth)
Stephenson Point Rd WM, Ham
Bay to valve at pipe dia change

Budget	Funding				
	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
139,805	0	83,882	55,923	0	0
139,805	0	83,882	55,923	0	0

Project Description:

Upsize 160m of 200mm diameter AC watermain to 250mm diameter on Stephenson Point Rd from Ham Bay to valve at pipe dia change

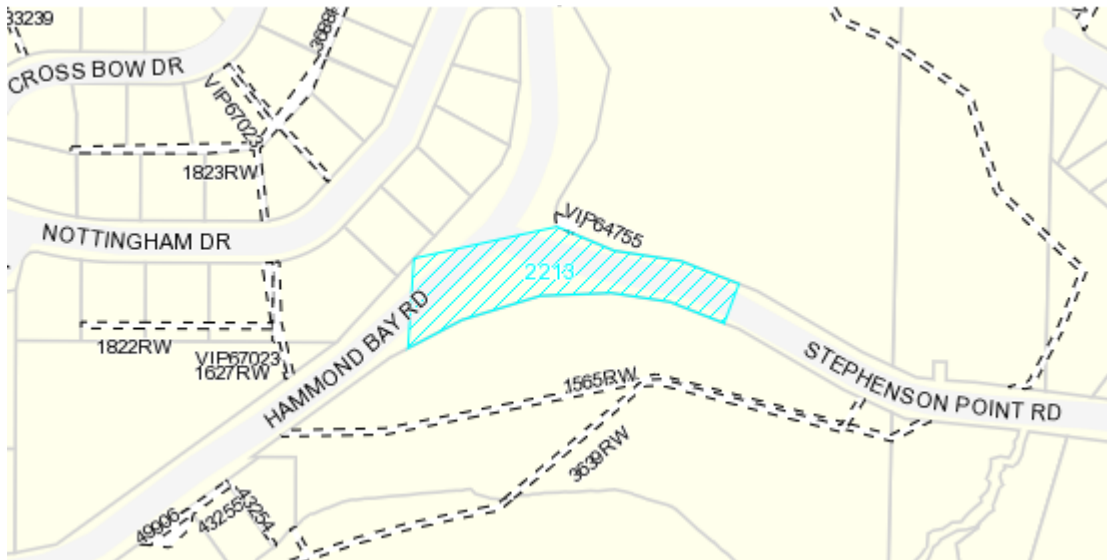
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use W2 as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT

Engineering and Public Works Project Summary Sheet

Project:

DCC W81: (60% Growth) Hillcrest WM (Fourth to Foster)

Components:

	2023	Funding				
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2333 DCC W81: (60% Growth) Hillcrest WM (Fourth to Foster)	172,278	0	103,366	68,912	0	0
	172,278	0	103,366	68,912	0	0

Project Description:

Upsize ~200m of 150mm diameter PVC watermain to 250mm diameter on Hillcrest Ave from Fourth to Foster.

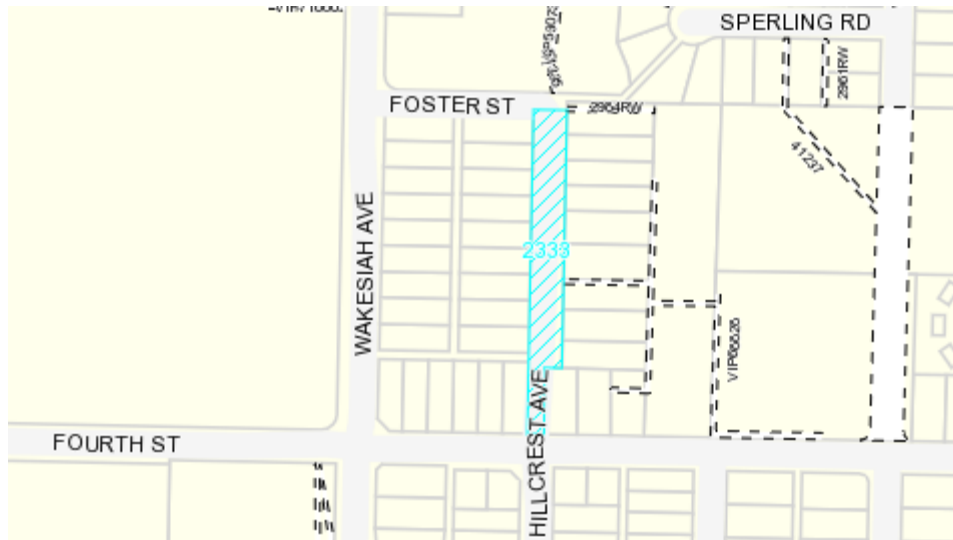
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

Project: DCC W81: (60% Growth) Sperling WM (Foster to Watfield)

Components:

	2023	Funding				
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2334 DCC W81: (60% Growth) Sperling WM (Foster to Watfield)	249,259	0	149,556	99,703	0	0
	249,259	0	149,556	99,703	0	0

Project Description:

Upsize ~280m of 150mm/200mm diameter PVC watermain to 250mm diameter on Sperling Road from Foster to Watfield.

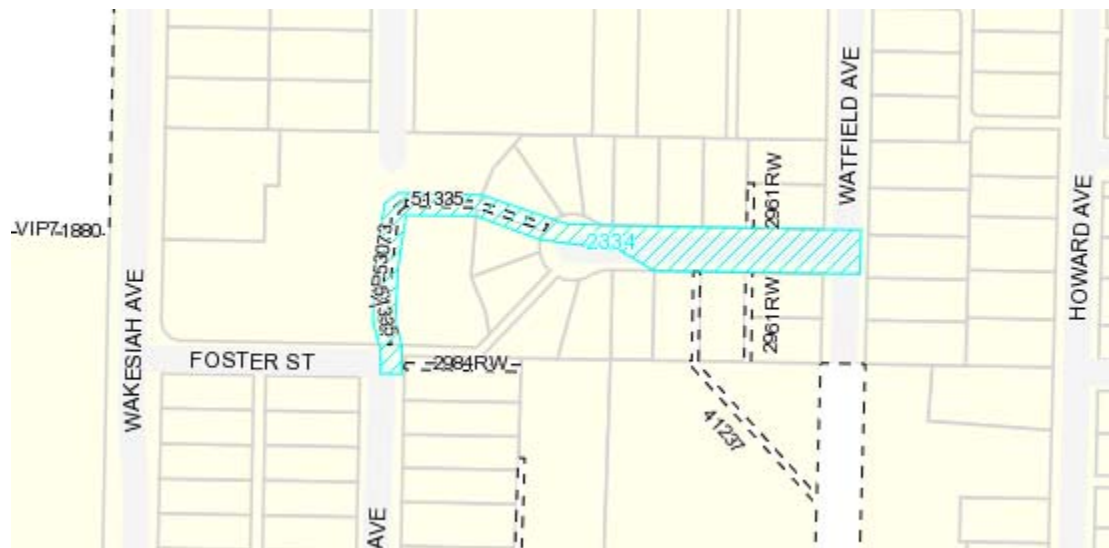
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

Project: DCC W81: (60% Growth) Third WM (Wakesiah to Watfield)

Components:

	Budget	Funding				
		General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2339 DCC W81: (60% Growth)	291,025	0	174,616	116,409	0	0
Third WM (Wakesiah to Watfield)	291,025	0	174,616	116,409	0	0

Project Description:

Upsize ~330m of 150mm diameter AC/PVC watermain to 250mm diameter on Third Ave from Wakesiah to Watfield.

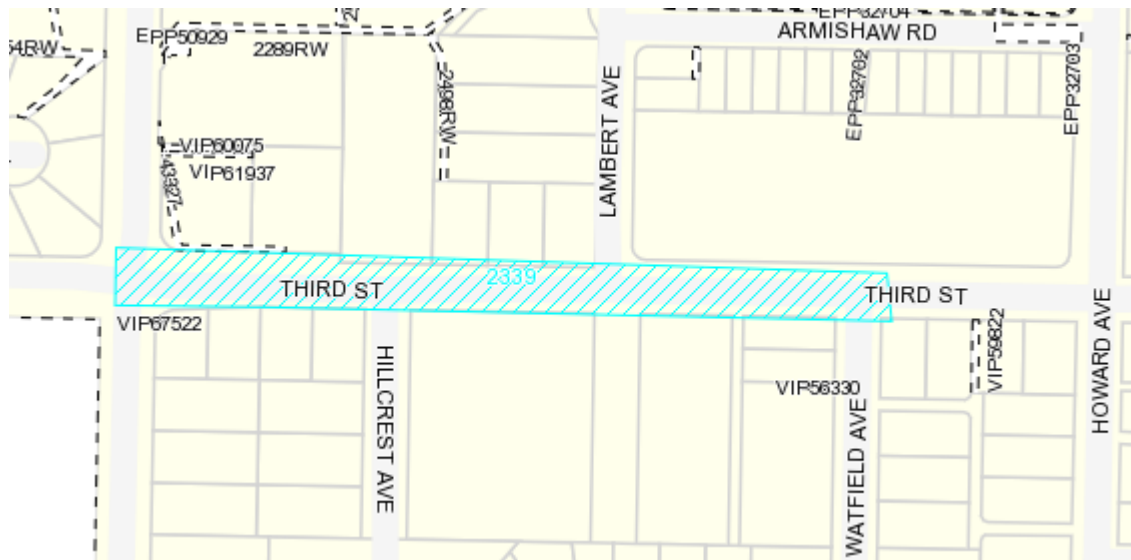
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

Project: DCC W81: (60% Growth) Wakesiah WM (Montague to First)

Components:

	Funding					
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2341 DCC W81: (60% Growth) Wakesiah WM (Montague to First)	468,278	0	280,967	187,311	0	0
	468,276	0	280,967	187,311	0	0

Project Description:

Upsize ~530m of 150mm/200mm diameter AC watermain to 250mm diameter on Wakesiah Ave from Montague to First.

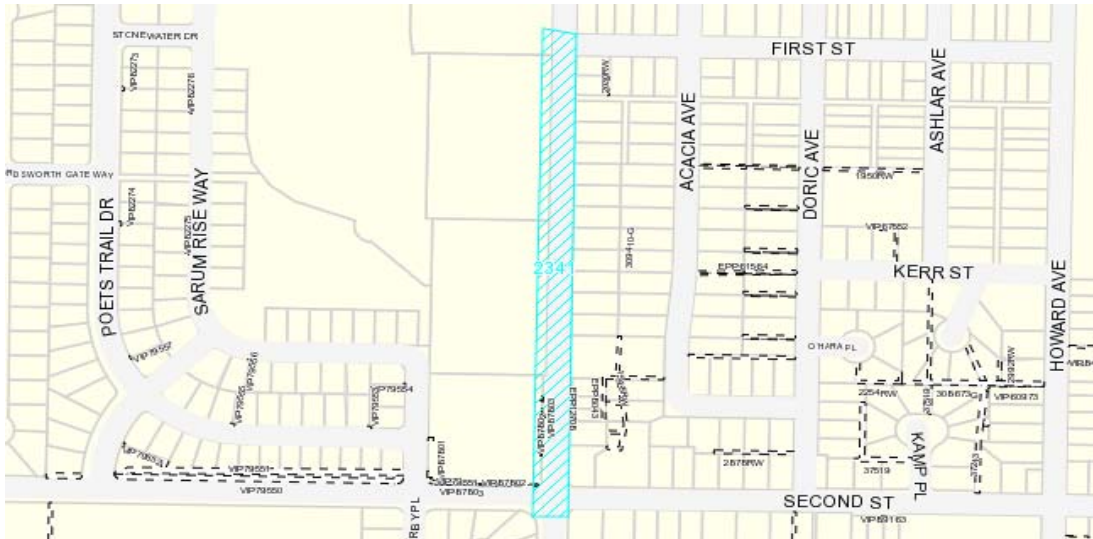
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

Project: DCC W81: (60% Growth) Watfield WM (Sperling to Third)

Components:

	Budget	Funding				
		General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2342 DCC W81: (60% Growth) Watfield WM (Sperling to Third)	134,845	0	80,908	53,937	0	0
	134,845	0	80,908	53,937	0	0

Project Description:

Upsize ~155m of 150mm/200mm diameter AC/PVC watermain to 250mm diameter on Watfield Ave from Sperling to Third.

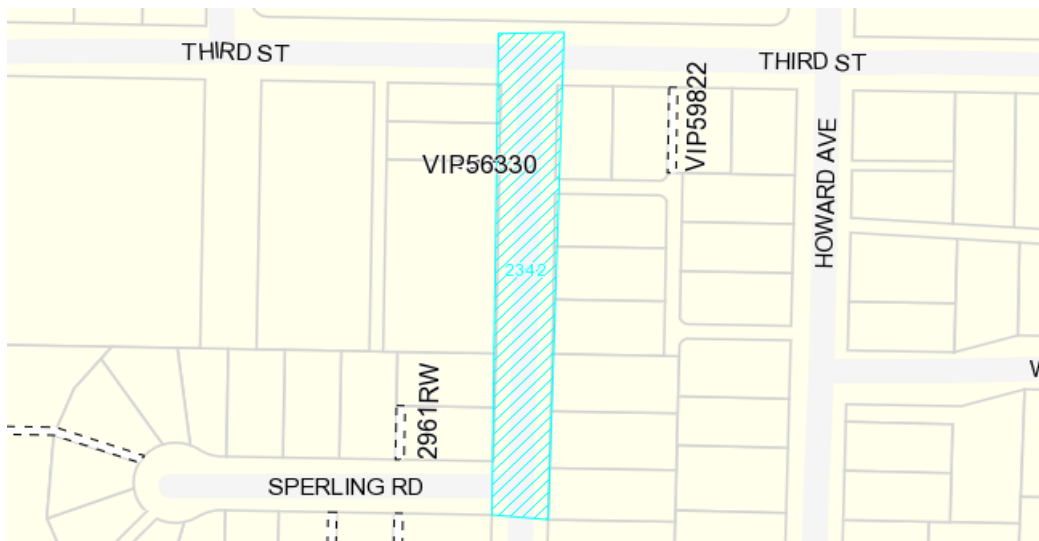
Asset Management Description of Work:

Growth - Identified as a DCC Project

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



Engineering and Public Works Project Summary Sheet

DCC W81: (60% Growth) Wakesiah WM (Montague to Third)

Project:

Components:

	2023	Funding				
	Budget	General Taxation	DCC's	Water Reserves	Sewer Reserves	Other Sources
2215 DCC W81: (60% Growth) Wakesiah WM (Montague to Third)	274,386	0	164,630	109,756	0	0
	274,386	0	164,630	109,756	0	0

Project Description:

Upsize 1700m of 150/200mm diameter AC/PVC watermain to 250mm diameter in the Wakesiah & Third Area

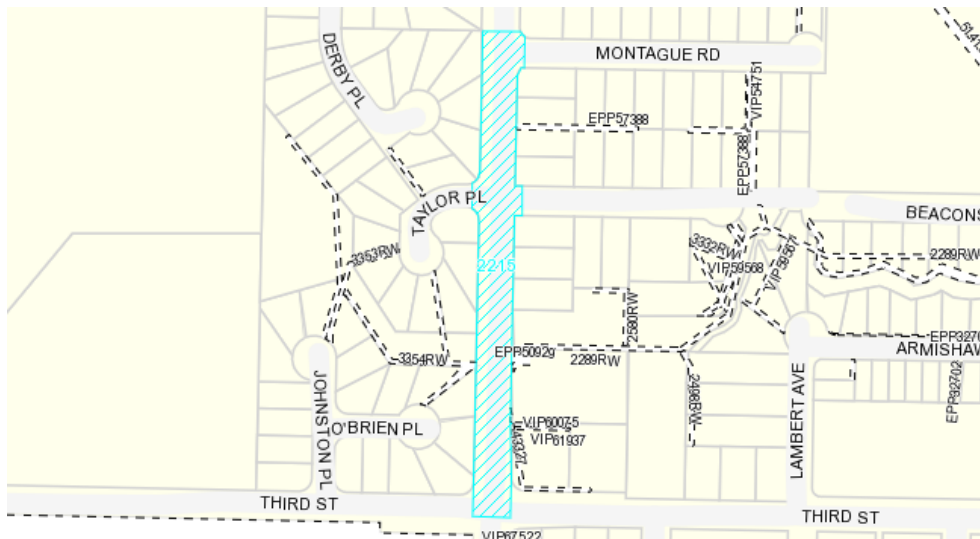
Asset Management Description of Work:

Upgrades - Increased service capacity

Justification:

Larger 250mm diameter needed to service growth and provide minimum operating pressures & minimum Fire Flows of 300 l/s for Land Use Urban Corridor as per 2015 City Wide Water Distribution DCC Review

Project Map:



DRAFT