



**APPENDIX**  
Detailed Cost Estimates  
– Proposed Stormwater Management System





## Appendix G - Detailed Cost Estimates - Proposed Stormwater Management System

Spruce Grove Stormwater Master Plan  
The City of Spruce Grove  
Project No. 16462  
7/16/2024

Engineering: 10%  
Contingency: 30%

**Table G.1 - Proposed Stormwater Management System Detailed Cost Estimates - Atim Creek Basin**

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)						
<b>SWMF #1</b>								
1.1	Excavation	7	m³	186,000	\$ 1,306,000	\$ 131,000	\$ 392,000	\$ 1,829,000
1.2	Topsoil and Sod	12	m²	51,000	\$ 602,000	\$ 60,000	\$ 181,000	\$ 843,000
1.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
1.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
1.5	Excavation, Backfill, Supply and Installation of 90 m of 525 mm SWMF Outfall Trunk (4.0 m Deep)	828	m	90	\$ 75,000	\$ 8,000	\$ 23,000	\$ 106,000
<b>SWMF #1 Sub-Total</b>					<b>\$ 2,133,000</b>	<b>\$ 214,000</b>	<b>\$ 641,000</b>	<b>\$ 2,988,000</b>
<b>SWMF #2</b>								
2.1	Excavation	7	m³	43,000	\$ 302,000	\$ 30,000	\$ 91,000	\$ 423,000
2.2	Topsoil and Sod	12	m²	14,000	\$ 165,000	\$ 17,000	\$ 50,000	\$ 232,000
2.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
2.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
2.5	Excavation, Backfill, Supply and Installation of 31 m of 375 mm SWMF Outfall Trunk (4.0 m Deep)	629	m	31	\$ 19,000	\$ 2,000	\$ 6,000	\$ 27,000
<b>SWMF #2 Sub-Total</b>					<b>\$ 636,000</b>	<b>\$ 64,000</b>	<b>\$ 192,000</b>	<b>\$ 892,000</b>
<b>SWMF #3</b>								
3.1	Excavation	7	m³	61,000	\$ 428,000	\$ 43,000	\$ 128,000	\$ 599,000
3.2	Topsoil and Sod	12	m²	19,000	\$ 224,000	\$ 22,000	\$ 67,000	\$ 313,000
3.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
3.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
3.5	Excavation, Backfill, Supply and Installation of 33 m of 525 mm SWMF Outfall Trunk (6.0 m Deep)	828	m	33	\$ 27,000	\$ 3,000	\$ 8,000	\$ 38,000
<b>SWMF #3 Sub-Total</b>					<b>\$ 829,000</b>	<b>\$ 83,000</b>	<b>\$ 248,000</b>	<b>\$ 1,160,000</b>
<b>SWMF #4</b>								
4.1	Excavation	7	m³	100,000	\$ 702,000	\$ 70,000	\$ 211,000	\$ 983,000
4.2	Topsoil and Sod	12	m²	29,000	\$ 342,000	\$ 34,000	\$ 103,000	\$ 479,000
4.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
4.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
4.5	Excavation, Backfill, Supply and Installation of 120 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	120	\$ 103,000	\$ 10,000	\$ 31,000	\$ 144,000
<b>SWMF #4 Sub-Total</b>					<b>\$ 1,297,000</b>	<b>\$ 129,000</b>	<b>\$ 390,000</b>	<b>\$ 1,816,000</b>
<b>SWMF #5</b>								
5.1	Excavation	7	m³	47,000	\$ 330,000	\$ 33,000	\$ 99,000	\$ 462,000
5.2	Topsoil and Sod	12	m²	15,000	\$ 177,000	\$ 18,000	\$ 53,000	\$ 248,000
5.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
5.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
5.5	Excavation, Backfill, Supply and Installation of 200 m of 525 mm SWMF Outfall Trunk (4.0 m Deep)	828	m	200	\$ 166,000	\$ 17,000	\$ 50,000	\$ 233,000
<b>SWMF #5 Sub-Total</b>					<b>\$ 823,000</b>	<b>\$ 83,000</b>	<b>\$ 247,000</b>	<b>\$ 1,153,000</b>
<b>Atim Creek Basin Outfall Trunk</b>								
A.1	Excavation, Backfill, Supply and Installation of 1,220 m of 750 mm Outfall Trunk (4.0 - 6.0 m Deep)	1,027	m	1,220	\$ 1,253,000	\$ 125,000	\$ 376,000	\$ 1,754,000
A.2	Excavation, Backfill, Supply and Installation of 403 m of 900 mm Outfall Trunk (4.0 - 6.0 m Deep)	1,144	m	403	\$ 461,000	\$ 46,000	\$ 138,000	\$ 645,000
A.3	Excavation, Backfill, Supply and Installation of 970 m of 900 mm Outfall Trunk (4.0 m Deep)	1,144	m	970	\$ 1,110,000	\$ 111,000	\$ 333,000	\$ 1,554,000
A.4	Excavation, Backfill, Supply and Installation of 741 m of 900 mm Outfall Trunk (4.0 m Deep)	1,144	m	741	\$ 848,000	\$ 85,000	\$ 254,000	\$ 1,187,000
A.5	Trunk Outfall Structures	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
<b>Atim Creek Basin Outfall Trunk Sub-Total</b>					<b>\$ 3,772,000</b>	<b>\$ 377,000</b>	<b>\$ 1,131,000</b>	<b>\$ 5,280,000</b>
<b>Atim Creek Basin Total Cost</b>					<b>\$ 9,490,000</b>	<b>\$ 950,000</b>	<b>\$ 2,849,000</b>	<b>\$ 13,289,000</b>



## Appendix G - Detailed Cost Estimates - Proposed Stormwater Management System

Spruce Grove Stormwater Master Plan

The City of Spruce Grove

Project No. 16462

7/16/2024

Engineering: 10%

Contingency: 30%

**Table G.2 - Proposed Stormwater Management System Detailed Cost Estimates - Dog Creek Basin**

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)						
<b>SWMF #6</b>								
6.1	Excavation	7	m³	38,000	\$ 267,000	\$ 27,000	\$ 80,000	\$ 374,000
6.2	Topsoil and Sod	12	m²	13,000	\$ 154,000	\$ 15,000	\$ 46,000	\$ 215,000
6.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
6.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
6.5	Excavation, Backfill, Supply and Installation of 95 m of 375 mm SWMF Outfall Trunk (6.0 m Deep)	629	m	95	\$ 60,000	\$ 6,000	\$ 18,000	\$ 84,000
<b>SWMF #6 Sub-Total</b>					<b>\$ 631,000</b>	<b>\$ 63,000</b>	<b>\$ 189,000</b>	<b>\$ 883,000</b>
<b>SWMF #7</b>								
7.1	Excavation	7	m³	103,000	\$ 723,000	\$ 72,000	\$ 217,000	\$ 1,012,000
7.2	Topsoil and Sod	12	m²	30,000	\$ 354,000	\$ 35,000	\$ 106,000	\$ 495,000
7.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
7.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
7.5	Excavation, Backfill, Supply and Installation of 196 m of 525 mm SWMF Outfall Trunk (6.0 m Deep)	828	m	196	\$ 162,000	\$ 16,000	\$ 49,000	\$ 227,000
<b>SWMF #7 Sub-Total</b>					<b>\$ 1,389,000</b>	<b>\$ 138,000</b>	<b>\$ 417,000</b>	<b>\$ 1,944,000</b>
<b>SWMF #8</b>								
8.1	Excavation	7	m³	103,000	\$ 723,000	\$ 72,000	\$ 217,000	\$ 1,012,000
8.2	Topsoil and Sod	12	m²	30,000	\$ 354,000	\$ 35,000	\$ 106,000	\$ 495,000
8.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
8.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
8.5	Excavation, Backfill, Supply and Installation of 224 m of 525 mm SWMF Outfall Trunk (6.0 m Deep)	828	m	224	\$ 185,000	\$ 19,000	\$ 56,000	\$ 260,000
<b>SWMF #8 Sub-Total</b>					<b>\$ 1,412,000</b>	<b>\$ 141,000</b>	<b>\$ 424,000</b>	<b>\$ 1,977,000</b>
<b>SWMF #9</b>								
9.1	Excavation	7	m³	79,000	\$ 555,000	\$ 56,000	\$ 167,000	\$ 778,000
9.2	Topsoil and Sod	12	m²	24,000	\$ 283,000	\$ 28,000	\$ 85,000	\$ 396,000
9.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
9.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
9.5	Excavation, Backfill, Supply and Installation of 87 m of 450 mm SWMF Outfall Trunk (5.0 m Deep)	638	m	87	\$ 56,000	\$ 6,000	\$ 17,000	\$ 79,000
<b>SWMF #9 Sub-Total</b>					<b>\$ 1,044,000</b>	<b>\$ 105,000</b>	<b>\$ 314,000</b>	<b>\$ 1,463,000</b>
<b>SWMF #10</b>								
10.1	Excavation	7	m³	81,000	\$ 569,000	\$ 57,000	\$ 171,000	\$ 797,000
10.2	Topsoil and Sod	12	m²	24,000	\$ 283,000	\$ 28,000	\$ 85,000	\$ 396,000
10.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
10.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
10.5	Excavation, Backfill, Supply and Installation of 385 m of 375 mm SWMF Outfall Trunk (3.0 m Deep)	524	m	385	\$ 202,000	\$ 20,000	\$ 61,000	\$ 283,000
<b>SWMF #10 Sub-Total</b>					<b>\$ 1,204,000</b>	<b>\$ 120,000</b>	<b>\$ 362,000</b>	<b>\$ 1,686,000</b>
<b>SWMF #11</b>								
11.1	Excavation	7	m³	140,000	\$ 983,000	\$ 98,000	\$ 295,000	\$ 1,376,000
11.2	Topsoil and Sod	12	m²	41,000	\$ 484,000	\$ 48,000	\$ 145,000	\$ 677,000
11.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
11.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
11.5	Excavation, Backfill, Supply and Installation of 153 m of 600 mm SWMF Outfall Trunk (5.0 m Deep)	855	m	153	\$ 131,000	\$ 13,000	\$ 39,000	\$ 183,000
<b>SWMF #11 Sub-Total</b>					<b>\$ 1,748,000</b>	<b>\$ 174,000</b>	<b>\$ 524,000</b>	<b>\$ 2,446,000</b>



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Spruce Grove Stormwater Master Plan

The City of Spruce Grove

Project No. 16462

7/16/2024

Engineering: 10%

Contingency: 30%

**Table G.2 - Proposed Stormwater Management System Detailed Cost Estimates - Dog Creek Basin**

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)						
<b>SWMF #12</b>								
12.1	Excavation	7	m <sup>3</sup>	132,000	\$ 927,000	\$ 93,000	\$ 278,000	\$ 1,298,000
12.2	Topsoil and Sod	12	m <sup>2</sup>	37,000	\$ 437,000	\$ 44,000	\$ 131,000	\$ 612,000
12.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
12.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
12.5	Excavation, Backfill, Supply and Installation of 108 m of 600 mm SWMF Outfall Trunk (5.0 m Deep)	855	m	108	\$ 92,000	\$ 9,000	\$ 28,000	\$ 129,000
<b>SWMF #12 Sub-Total</b>					<b>\$ 1,606,000</b>	<b>\$ 161,000</b>	<b>\$ 482,000</b>	<b>\$ 2,249,000</b>
<b>SWMF #13</b>								
13.1	Excavation	7	m <sup>3</sup>	123,000	\$ 863,000	\$ 86,000	\$ 259,000	\$ 1,208,000
13.2	Topsoil and Sod	12	m <sup>2</sup>	35,000	\$ 413,000	\$ 41,000	\$ 124,000	\$ 578,000
13.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
13.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
13.5	Excavation, Backfill, Supply and Installation of 53 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	53	\$ 45,000	\$ 5,000	\$ 14,000	\$ 64,000
<b>SWMF #13 Sub-Total</b>					<b>\$ 1,471,000</b>	<b>\$ 147,000</b>	<b>\$ 442,000</b>	<b>\$ 2,060,000</b>
<b>SWMF #14</b>								
14.1	Excavation	7	m <sup>3</sup>	125,000	\$ 878,000	\$ 88,000	\$ 263,000	\$ 1,229,000
14.2	Topsoil and Sod	12	m <sup>2</sup>	36,000	\$ 425,000	\$ 43,000	\$ 128,000	\$ 596,000
14.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
14.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
14.5	Excavation, Backfill, Supply and Installation of 807 m of 450 mm SWMF Outfall Trunk (4.0 m Deep)	638	m	807	\$ 515,000	\$ 52,000	\$ 155,000	\$ 722,000
<b>SWMF #14 Sub-Total</b>					<b>\$ 1,968,000</b>	<b>\$ 198,000</b>	<b>\$ 591,000</b>	<b>\$ 2,757,000</b>
<b>SWMF #15</b>								
15.1	Excavation	7	m <sup>3</sup>	96,000	\$ 674,000	\$ 67,000	\$ 202,000	\$ 943,000
15.2	Topsoil and Sod	12	m <sup>2</sup>	28,000	\$ 331,000	\$ 33,000	\$ 99,000	\$ 463,000
15.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
15.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
15.5	Excavation, Backfill, Supply and Installation of 69 m of 525 mm SWMF Outfall Trunk (4.0 m Deep)	828	m	69	\$ 57,000	\$ 6,000	\$ 17,000	\$ 80,000
<b>SWMF #15 Sub-Total</b>					<b>\$ 1,212,000</b>	<b>\$ 121,000</b>	<b>\$ 363,000</b>	<b>\$ 1,696,000</b>
<b>SWMF #16</b>								
16.1	Excavation	7	m <sup>3</sup>	119,000	\$ 835,000	\$ 84,000	\$ 251,000	\$ 1,170,000
16.2	Topsoil and Sod	12	m <sup>2</sup>	34,000	\$ 402,000	\$ 40,000	\$ 121,000	\$ 563,000
16.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
16.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
16.5	Excavation, Backfill, Supply and Installation of 109 m of 525 mm SWMF Outfall Trunk (4.0 m Deep)	828	m	109	\$ 90,000	\$ 9,000	\$ 27,000	\$ 126,000
<b>SWMF #16 Sub-Total</b>					<b>\$ 1,477,000</b>	<b>\$ 148,000</b>	<b>\$ 444,000</b>	<b>\$ 2,069,000</b>



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Spruce Grove Stormwater Master Plan  
The City of Spruce Grove  
Project No. 16462

7/16/2024

Engineering: 10%  
Contingency: 30%

**Table G.2 - Proposed Stormwater Management System Detailed Cost Estimates - Dog Creek Basin**

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)						
<b>Dog Creek Basin Outfall Trunk</b>								
D.1	Excavation, Backfill, Supply and Installation of 522 m of 750 mm Outfall Trunk (5.0 - 6.0 m Deep)	1,027	m	522	\$ 536,000	\$ 54,000	\$ 161,000	\$ 751,000
D.2	Excavation, Backfill, Supply and Installation of 737 m of 750 mm Outfall Trunk (3.0 - 5.0 m Deep)	1,027	m	737	\$ 757,000	\$ 76,000	\$ 227,000	\$ 1,060,000
D.3	Excavation, Backfill, Supply and Installation of 1,164 m of 1,650 mm Outfall Trunk (4.0 m Deep)	1,867	m	1,164	\$ 2,173,000	\$ 217,000	\$ 652,000	\$ 3,042,000
D.4	Excavation, Backfill, Supply and Installation of 1,231 m of 1,800 mm Outfall Trunk (4.0 m Deep)	2,012	m	1,231	\$ 2,477,000	\$ 248,000	\$ 743,000	\$ 3,468,000
D.5	Excavation, Backfill, Supply and Installation of 496 m of 1,800 mm Outfall Trunk (4.0 m Deep)	2,012	m	496	\$ 998,000	\$ 100,000	\$ 299,000	\$ 1,397,000
D.6	Excavation, Backfill, Supply and Installation of 164 m of 1,800 mm Outfall Trunk (4.0 m Deep)	2,012	m	164	\$ 330,000	\$ 33,000	\$ 99,000	\$ 462,000
D.7	Excavation, Backfill, Supply and Installation of 426 m of 525 mm Outfall Trunk (4.0 m Deep)	828	m	426	\$ 353,000	\$ 35,000	\$ 106,000	\$ 494,000
D.8	Excavation, Backfill, Supply and Installation of 326 m of 525 mm Outfall Trunk (4.0 m Deep)	828	m	326	\$ 270,000	\$ 27,000	\$ 81,000	\$ 378,000
D.9	Trunk Outfall Structures	100,000	L.S.	3	\$ 300,000	\$ 30,000	\$ 90,000	\$ 420,000
<b>Dog Creek Basin Outfall Trunk Sub-Total</b>					<b>\$ 8,194,000</b>	<b>\$ 820,000</b>	<b>\$ 2,458,000</b>	<b>\$ 11,472,000</b>
<b>Dog Creek Basin Total Cost</b>					<b>\$ 23,356,000</b>	<b>\$ 2,336,000</b>	<b>\$ 7,010,000</b>	<b>\$ 32,702,000</b>



## Appendix G - Detailed Cost Estimates - Proposed Stormwater Management System

Spruce Grove Stormwater Master Plan

The City of Spruce Grove

Project No. 16462

7/16/2024

Engineering: 10%

Contingency: 30%

**Table G.3 - Proposed Stormwater Management System Detailed Cost Estimates - East Spruce Grove Basin**

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)						
<b>SWMF #17</b>								
17.1	Excavation	7	m³	123,000	\$ 863,000	\$ 86,000	\$ 259,000	\$ 1,208,000
17.2	Topsoil and Sod	12	m²	35,000	\$ 413,000	\$ 41,000	\$ 124,000	\$ 578,000
17.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
17.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
17.5	Excavation, Backfill, Supply and Installation of 196 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	196	\$ 168,000	\$ 17,000	\$ 50,000	\$ 235,000
<b>SWMF #17 Sub-Total</b>					<b>\$ 1,594,000</b>	<b>\$ 159,000</b>	<b>\$ 478,000</b>	<b>\$ 2,231,000</b>
<b>SWMF #18</b>								
18.1	Excavation	7	m³	123,000	\$ 863,000	\$ 86,000	\$ 259,000	\$ 1,208,000
18.2	Topsoil and Sod	12	m²	35,000	\$ 413,000	\$ 41,000	\$ 124,000	\$ 578,000
18.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
18.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
18.5	Excavation, Backfill, Supply and Installation of 386 m of 525 mm SWMF Outfall Trunk (4.0 m Deep)	828	m	386	\$ 320,000	\$ 32,000	\$ 96,000	\$ 448,000
<b>SWMF #18 Sub-Total</b>					<b>\$ 1,746,000</b>	<b>\$ 174,000</b>	<b>\$ 524,000</b>	<b>\$ 2,444,000</b>
<b>SWMF #19</b>								
19.1	Excavation	7	m³	121,000	\$ 849,000	\$ 85,000	\$ 255,000	\$ 1,189,000
19.2	Topsoil and Sod	12	m²	35,000	\$ 413,000	\$ 41,000	\$ 124,000	\$ 578,000
19.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
19.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
19.5	Excavation, Backfill, Supply and Installation of 463 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	463	\$ 396,000	\$ 40,000	\$ 119,000	\$ 555,000
<b>SWMF #19 Sub-Total</b>					<b>\$ 1,808,000</b>	<b>\$ 181,000</b>	<b>\$ 543,000</b>	<b>\$ 2,532,000</b>
<b>SWMF #20</b>								
20.1	Excavation	7	m³	123,000	\$ 863,000	\$ 86,000	\$ 259,000	\$ 1,208,000
20.2	Topsoil and Sod	12	m²	35,000	\$ 413,000	\$ 41,000	\$ 124,000	\$ 578,000
20.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
20.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
20.5	Excavation, Backfill, Supply and Installation of 1,278 m of 450 mm SWMF Outfall Trunk (4.0 m Deep)	638	m	1,278	\$ 815,000	\$ 82,000	\$ 245,000	\$ 1,142,000
<b>SWMF #20 Sub-Total</b>					<b>\$ 2,241,000</b>	<b>\$ 224,000</b>	<b>\$ 673,000</b>	<b>\$ 3,138,000</b>
<b>SWMF #21</b>								
21.1	Excavation	7	m³	119,000	\$ 835,000	\$ 84,000	\$ 251,000	\$ 1,170,000
21.2	Topsoil and Sod	12	m²	34,000	\$ 402,000	\$ 40,000	\$ 121,000	\$ 563,000
21.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
21.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
21.5	Excavation, Backfill, Supply and Installation of 63 m of 525 mm SWMF Outfall Trunk (4.0 m Deep)	828	m	63	\$ 52,000	\$ 5,000	\$ 16,000	\$ 73,000
<b>SWMF #21 Sub-Total</b>					<b>\$ 1,439,000</b>	<b>\$ 144,000</b>	<b>\$ 433,000</b>	<b>\$ 2,016,000</b>
<b>SWMF #22</b>								
22.1	Excavation	7	m³	117,000	\$ 821,000	\$ 82,000	\$ 246,000	\$ 1,149,000
22.2	Topsoil and Sod	12	m²	34,000	\$ 402,000	\$ 40,000	\$ 121,000	\$ 563,000
22.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
22.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
22.5	Excavation, Backfill, Supply and Installation of 80 m of 525 mm SWMF Outfall Trunk (3.5 m Deep)	690	m	80	\$ 55,000	\$ 6,000	\$ 17,000	\$ 78,000
<b>SWMF #22 Sub-Total</b>					<b>\$ 1,428,000</b>	<b>\$ 143,000</b>	<b>\$ 429,000</b>	<b>\$ 2,000,000</b>



## Appendix G - Detailed Cost Estimates - Proposed Stormwater Management System

Spruce Grove Stormwater Master Plan

The City of Spruce Grove

Project No. 16462

7/16/2024

Engineering: 10%

Contingency: 30%

**Table G.3 - Proposed Stormwater Management System Detailed Cost Estimates - East Spruce Grove Basin**

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)						
<b>SWMF #23</b>								
23.1	Excavation	7	m³	115,000	\$ 807,000	\$ 81,000	\$ 242,000	\$ 1,130,000
23.2	Topsoil and Sod	12	m²	33,000	\$ 390,000	\$ 39,000	\$ 117,000	\$ 546,000
23.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
23.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
23.5	Excavation, Backfill, Supply and Installation of 100 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	100	\$ 86,000	\$ 9,000	\$ 26,000	\$ 121,000
<b>SWMF #23 Sub-Total</b>					<b>\$ 1,433,000</b>	<b>\$ 144,000</b>	<b>\$ 430,000</b>	<b>\$ 2,007,000</b>
<b>SWMF #24</b>								
24.1	Excavation	7	m³	15,000	\$ 105,000	\$ 11,000	\$ 32,000	\$ 148,000
24.2	Topsoil and Sod	12	m²	6,000	\$ 71,000	\$ 7,000	\$ 21,000	\$ 99,000
24.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
24.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
24.5	Excavation, Backfill, Supply and Installation of 100 m of 375 mm SWMF Outfall Trunk (4.0 m Deep)	629	m	100	\$ 63,000	\$ 6,000	\$ 19,000	\$ 88,000
<b>SWMF #24 Sub-Total</b>					<b>\$ 389,000</b>	<b>\$ 39,000</b>	<b>\$ 117,000</b>	<b>\$ 545,000</b>
<b>SWMF #25</b>								
25.1	Excavation	7	m³	81,000	\$ 569,000	\$ 57,000	\$ 171,000	\$ 797,000
25.2	Topsoil and Sod	12	m²	24,000	\$ 283,000	\$ 28,000	\$ 85,000	\$ 396,000
25.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
25.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
25.5	Excavation, Backfill, Supply and Installation of 39 m of 375 mm SWMF Outfall Trunk (4.0 m Deep)	629	m	39	\$ 25,000	\$ 3,000	\$ 8,000	\$ 36,000
<b>SWMF #25 Sub-Total</b>					<b>\$ 1,027,000</b>	<b>\$ 103,000</b>	<b>\$ 309,000</b>	<b>\$ 1,439,000</b>
<b>SWMF #26</b>								
26.1	Excavation	7	m³	85,000	\$ 597,000	\$ 60,000	\$ 179,000	\$ 836,000
26.2	Topsoil and Sod	12	m²	25,000	\$ 295,000	\$ 30,000	\$ 89,000	\$ 414,000
26.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
26.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
26.5	Excavation, Backfill, Supply and Installation of 44 m of 450 mm SWMF Outfall Trunk (4.0 m Deep)	638	m	44	\$ 28,000	\$ 3,000	\$ 8,000	\$ 39,000
<b>SWMF #26 Sub-Total</b>					<b>\$ 1,070,000</b>	<b>\$ 108,000</b>	<b>\$ 321,000</b>	<b>\$ 1,499,000</b>
<b>SWMF #27</b>								
27.1	Excavation	7	m³	91,000	\$ 639,000	\$ 64,000	\$ 192,000	\$ 895,000
27.2	Topsoil and Sod	12	m²	27,000	\$ 319,000	\$ 32,000	\$ 96,000	\$ 447,000
27.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
27.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
27.5	Excavation, Backfill, Supply and Installation of 49 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	49	\$ 42,000	\$ 4,000	\$ 13,000	\$ 59,000
<b>SWMF #27 Sub-Total</b>					<b>\$ 1,150,000</b>	<b>\$ 115,000</b>	<b>\$ 346,000</b>	<b>\$ 1,611,000</b>
<b>SWMF #28</b>								
28.1	Excavation	7	m³	103,000	\$ 723,000	\$ 72,000	\$ 217,000	\$ 1,012,000
28.2	Topsoil and Sod	12	m²	30,000	\$ 354,000	\$ 35,000	\$ 106,000	\$ 495,000
28.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
28.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
28.5	Excavation, Backfill, Supply and Installation of 117 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	117	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
<b>SWMF #28 Sub-Total</b>					<b>\$ 1,327,000</b>	<b>\$ 132,000</b>	<b>\$ 398,000</b>	<b>\$ 1,857,000</b>



## Appendix G - Detailed Cost Estimates - Proposed Stormwater Management System

Spruce Grove Stormwater Master Plan  
The City of Spruce Grove  
Project No. 16462  
7/16/2024

Engineering: 10%  
Contingency: 30%

**Table G.3 - Proposed Stormwater Management System Detailed Cost Estimates - East Spruce Grove Basin**

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)						
<b>SWMF #29</b>								
29.1	Excavation	7	m <sup>3</sup>	125,000	\$ 878,000	\$ 88,000	\$ 263,000	\$ 1,229,000
29.2	Topsoil and Sod	12	m <sup>2</sup>	36,000	\$ 425,000	\$ 43,000	\$ 128,000	\$ 596,000
29.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
29.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
29.5	Excavation, Backfill, Supply and Installation of 100 m of 600 mm SWMF Outfall Trunk (6.0 m Deep)	855	m	100	\$ 86,000	\$ 9,000	\$ 26,000	\$ 121,000
<b>SWMF #29 Sub-Total</b>					<b>\$ 1,539,000</b>	<b>\$ 155,000</b>	<b>\$ 462,000</b>	<b>\$ 2,156,000</b>
<b>SWMF #30</b>								
30.1	Excavation	7	m <sup>3</sup>	47,000	\$ 330,000	\$ 33,000	\$ 99,000	\$ 462,000
30.2	Topsoil and Sod	12	m <sup>2</sup>	15,000	\$ 177,000	\$ 18,000	\$ 53,000	\$ 248,000
30.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
30.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
30.5	Excavation, Backfill, Supply and Installation of 100 m of 450 mm SWMF Outfall Trunk (4.0 m Deep)	638	m	100	\$ 64,000	\$ 6,000	\$ 19,000	\$ 89,000
<b>SWMF #30 Sub-Total</b>					<b>\$ 721,000</b>	<b>\$ 72,000</b>	<b>\$ 216,000</b>	<b>\$ 1,009,000</b>
<b>SWMF #31</b>								
31.1	Excavation	7	m <sup>3</sup>	103,000	\$ 723,000	\$ 72,000	\$ 217,000	\$ 1,012,000
31.2	Topsoil and Sod	12	m <sup>2</sup>	30,000	\$ 354,000	\$ 35,000	\$ 106,000	\$ 495,000
31.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
31.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
31.5	Excavation, Backfill, Supply and Installation of 100 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	100	\$ 86,000	\$ 9,000	\$ 26,000	\$ 121,000
<b>SWMF #31 Sub-Total</b>					<b>\$ 1,313,000</b>	<b>\$ 131,000</b>	<b>\$ 394,000</b>	<b>\$ 1,838,000</b>
<b>SWMF #32</b>								
32.1	Excavation	7	m <sup>3</sup>	22,000	\$ 154,000	\$ 15,000	\$ 46,000	\$ 215,000
32.2	Topsoil and Sod	12	m <sup>2</sup>	8,000	\$ 94,000	\$ 9,000	\$ 28,000	\$ 131,000
32.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
32.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
32.5	Excavation, Backfill, Supply and Installation of 68 m of 375 mm SWMF Outfall Trunk (4.0 m Deep)	629	m	68	\$ 43,000	\$ 4,000	\$ 13,000	\$ 60,000
<b>SWMF #32 Sub-Total</b>					<b>\$ 441,000</b>	<b>\$ 43,000</b>	<b>\$ 132,000</b>	<b>\$ 616,000</b>
<b>SWMF #33</b>								
33.1	Excavation	7	m <sup>3</sup>	53,000	\$ 372,000	\$ 37,000	\$ 112,000	\$ 521,000
33.2	Topsoil and Sod	12	m <sup>2</sup>	17,000	\$ 201,000	\$ 20,000	\$ 60,000	\$ 281,000
33.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
33.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
33.5	Excavation, Backfill, Supply and Installation of 74 m of 600 mm SWMF Outfall Trunk (4.0 m Deep)	855	m	74	\$ 63,000	\$ 6,000	\$ 19,000	\$ 88,000
<b>SWMF #33 Sub-Total</b>					<b>\$ 786,000</b>	<b>\$ 78,000</b>	<b>\$ 236,000</b>	<b>\$ 1,100,000</b>





## Appendix G - Detailed Cost Estimates - Proposed Stormwater Management System

Spruce Grove Stormwater Master Plan  
The City of Spruce Grove  
Project No. 16462  
7/16/2024

Engineering: 10%  
Contingency: 30%

**Table G.3 - Proposed Stormwater Management System Detailed Cost Estimates - East Spruce Grove Basin**

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)		(unit)	(\$)	(\$)	(\$)	(\$)
<b>East Spruce Grove Outfall Trunk</b>								
E.1	Excavation, Backfill, Supply and Installation of 707 m of 750 mm Outfall Trunk (5.0 - 6.0 m Deep)	1,027	m	707	\$ 726,000	\$ 73,000	\$ 218,000	\$ 1,017,000
E.2	Excavation, Backfill, Supply and Installation of 828 m of 750 mm Outfall Trunk (4.0 - 6.0 m Deep)	1,027	m	828	\$ 850,000	\$ 85,000	\$ 255,000	\$ 1,190,000
E.3	Excavation, Backfill, Supply and Installation of 808 m of 750 mm Outfall Trunk (4.0 - 6.0 m Deep)	1,027	m	808	\$ 830,000	\$ 83,000	\$ 249,000	\$ 1,162,000
E.4	Excavation, Backfill, Supply and Installation of 708 m of 900 mm Outfall Trunk (4.0 m Deep)	1,144	m	708	\$ 810,000	\$ 81,000	\$ 243,000	\$ 1,134,000
E.5	Excavation, Backfill, Supply and Installation of 595 m of 750 mm Outfall Trunk (4.0 - 6.0 m Deep)	1,027	m	595	\$ 611,000	\$ 61,000	\$ 183,000	\$ 855,000
E.6	Excavation, Backfill, Supply and Installation of 845 m of 675 mm Outfall Trunk (4.0 - 6.0 m Deep)	927	m	845	\$ 783,000	\$ 78,000	\$ 235,000	\$ 1,096,000
E.7	Excavation, Backfill, Supply and Installation of 678 m of 675 mm Outfall Trunk (4.0 - 6.0 m Deep)	927	m	678	\$ 629,000	\$ 63,000	\$ 189,000	\$ 881,000
E.8	Excavation, Backfill, Supply and Installation of 279 m of 750 mm Outfall Trunk (4.0 m Deep)	1,027	m	279	\$ 287,000	\$ 29,000	\$ 86,000	\$ 402,000
E.9	Excavation, Backfill, Supply and Installation of 404 m of 900 mm Outfall Trunk (4.0 - 5.0 m Deep)	1,144	m	404	\$ 462,000	\$ 46,000	\$ 139,000	\$ 647,000
E.10	Easton/Century Park Flow Split Control Structure	250,000	L.S.	1	\$ 250,000	\$ 25,000	\$ 75,000	\$ 350,000
E.11	Trunk Outfall Structures	100,000	L.S.	5	\$ 500,000	\$ 50,000	\$ 150,000	\$ 700,000
<b>East Spruce Grove Basin Outfall Trunk Sub-Total</b>					<b>\$ 6,738,000</b>	<b>\$ 674,000</b>	<b>\$ 2,022,000</b>	<b>\$ 9,434,000</b>
<b>East Spruce Grove Basin Total Cost</b>					<b>\$ 28,190,000</b>	<b>\$ 2,819,000</b>	<b>\$ 8,463,000</b>	<b>\$ 39,472,000</b>



Appendix G - Detailed Cost Estimates - Proposed Stormwater Management System

Spruce Grove Stormwater Master Plan

The City of Spruce Grove

Project No. 16462

7/16/2024

Engineering: 10%

Contingency: 30%

Table G.4 - Proposed Stormwater Management System Detailed Cost Estimates - Gateway Lands Basin

Item	Description	Unit Rate	Unit	Quantity	Cost	Engineering	Contingency	Total
		(\$/unit)						
<b>SWMF #34</b>								
34.1	Excavation	7	m <sup>3</sup>	98,000	\$ 688,000	\$ 69,000	\$ 206,000	\$ 963,000
34.2	Topsoil and Sod	12	m <sup>2</sup>	29,000	\$ 342,000	\$ 34,000	\$ 103,000	\$ 479,000
34.3	Landscaping	50,000	L.S.	1	\$ 50,000	\$ 5,000	\$ 15,000	\$ 70,000
34.4	Outlet Control Structure	100,000	L.S.	1	\$ 100,000	\$ 10,000	\$ 30,000	\$ 140,000
34.5	Excavation, Backfill, Supply and Installation of 373 m of 675 mm SWMF Outfall Trunk (4.0 - 5.0 m Deep)	927	m	373	\$ 346,000	\$ 35,000	\$ 104,000	\$ 485,000
SWMF #17 Sub-Total					\$ 1,526,000	\$ 153,000	\$ 458,000	\$ 2,137,000
<b>Gateway Lands Basin Total Cost</b>					<b>\$ 1,526,000</b>	<b>\$ 153,000</b>	<b>\$ 458,000</b>	<b>\$ 2,137,000</b>