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## 2013 CAPITAL BUDGET BRIEFING NOTE

### Basement Flooding Protection Program – Project List: 2013 to 2017

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#### Issue:

City Council directed the General Manager, Toronto Water to submit an updated five year list of Basement Flooding Protection projects, through the annual Capital Budget submission process, where Class Environmental Assessment studies have been completed.

#### Background:

City Council adopted the recommendations by the General Manager, Toronto Water, contained within the Wet Weather Flow Master Plan and Basement Flooding Protection Program Update Report at its meeting held on September 21, 2011. The report which can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2011.PW7.6> included a description of the method used to prioritize and plan sewer system improvement projects for the Basement Flooding Protection Program and the following recommendations:

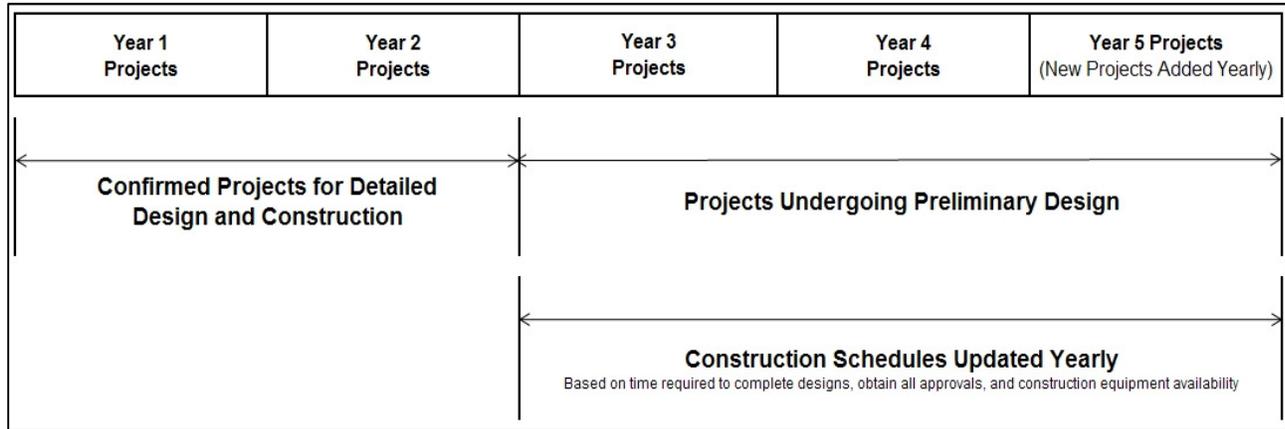
- 1) City Council direct that the prioritization of Basement Flooding Protection Program projects be consistent with the principle that the greatest number of properties are protected as soon as possible within approved funding envelopes and coordinated with other City capital programs;
- 2) City Council direct that projects identified through completed Environmental Assessments in the 32 identified Chronic Basement Flooding Study Areas, proceed to construction, if the cost to benefitting property, as determined during the detailed design phase, is less than or equal to \$32,000; and
- 3) City Council direct the General Manager, Toronto Water to submit an updated five year list of projects, through the annual Capital Budget submission process, where Class Environmental Assessment studies have been completed, and the projects be prioritized in conformance with Recommendations 1 and 2, and where the first two years of projects will be identified for construction and the following three years of projects will be subject to confirmation for implementation through the preliminary design phases where cost estimates will be refined, and the project scheduling will be coordinated with Transportation Services and other utilities.

City Council, during its meeting of October 2, 2012, requested that the General Manager, Toronto Water, add the recommended flooding protection projects in the Scarborough Waterfront Combined Sewer Overflow (CSO) and Stormwater Outfalls Control Class Environmental Assessment and Flood Protection Study (Ward 36, Scarborough Southwest) to the Basement Flooding Protection Program prioritization list. (<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2012.PW17.23>)

City Council, during its meeting of October 30, 2012, directed that a new Basement Flooding Study Area be established in Ward 35 to undertake the appropriate Municipal Class Environmental Assessment that will define the problem associated with the significant flooding that occurred in the summer of 2012, consider and evaluate alternative solutions, and identify measures to lessen any adverse impacts. (<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2012.EX23.3>)

Basement Flooding Protection Program projects are identified through Environmental Assessment Studies carried out in chronic basement flooding study areas. Projects whose costs meet a threshold identified by City Council (currently set at \$32,000 per benefitting household) are added to the list of proposed projects and are scheduled according to the chart in Figure 1. In this chart "Year 1" means 2013, "Year 2" means 2014 and so on.

**Figure 1  
Schematic of Basement Flooding Protection Program  
5 Year Capital Planning of Projects**



Of the 34 Basement Flooding Protection program priority study areas, Environmental Assessments for fourteen of the study areas have been completed, one is almost complete, fourteen are underway, and 5 are yet to start. As time progresses, Year 1 projects will be constructed, Year 2 projects will be firmed up for start in the next year and a group of projects from the Year 3, Year 4, and Year 5 batch will be promoted to "Year 2" projects. As the EA studies are completed, new projects will be identified and will be added to the "Year 3, Year 4, and Year 5" basket of projects.

**Key Points:**

- Table 1 (attached) contains a 5-year list of projects, organized as described above and sorted by Ward; and correspond to the budget request contained within the recommended Toronto Water 2013 Capital Budget, and 2013 to 2017 Capital Budget Plan.
- The projects identified in 2013 have completed detailed design and have been coordinated with the known capital programs of Transportation Services and other utilities. Some of the 2013 projects are a continuation of projects now underway.
- The projects for 2014 are undergoing detailed design and are being cleared and coordinated with the capital programs of Transportation Services and other utilities.
- The projects for 2015 through 2017 have been identified in the 15 completed and almost completed Environmental Assessment (EA) studies.
- The projects for 2015, 2016, and 2017 are undergoing preliminary design and are in the process of being cleared and coordinated with the capital programs of Transportation Services and other utilities
- The scheduling of projects in the 2015 to 2017 time frame is subject to change, due to capital coordination issues and regulatory approvals which may be necessary; and this schedule will be further updated in future year Toronto Water Capital Budget submissions.

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**Date:** November 5, 2012

**Table 1: Basement Flooding Protection Program – Project list: 2013 – 2016**

Carry Over Projects into 2013	Project #	Location	Project Description	Ward	Councillor	Project Cost Estimate (\$)	Cost / Benefiting Home
	14-04 B	Topcliff Park	Storm Sewer Outfall Upgrade	8	Perruzza	\$600,000	\$3,571
	14-06 B	Driftwood Ave.	Storm Sewer Outfall Upgrade	8	Perruzza	\$200,000	\$2,247
	28-04	Torresdale Ave. Rockford Rd. Shenstone Rd. Russfax Dr. Twin Circle Crt. Stonedene Blvd. Robingrove Rd. Cedarcroft Blvd.	Storm Sewer Replacements / Upgrades	10	Pasternak	\$11,583,000	\$53,874 <sup>1</sup>
	29-02 B	Kingslake Blvd. Gleneagle Cres. Lisburn Cres. Allenbury Gdns.	Storm and Sanitary Sewer Replacements / Upgrades New Storm Sewers for Storage	33	Carroll	\$6,944,000	\$11,972
	30-04 A	Brian Dr. Pleasant View Dr. Ipswich Cres. Pondsvie Dr. Cairnside Cres. Old Sheppard Ave.	Storm and Sanitary Sewer Replacements / Upgrades	33	Carroll	\$16,688,321	\$17,678
	Project #	Location	Project Description	Ward	Councillor	Project Cost Estimate (\$)	Cost / Benefiting Home
12-01	Seacliff Blvd Navenby Cres. Gracedale Blvd. Cherrylawne Ave. Hasbrooke Dr. Finch Ave. W.	Storm and Sanitary Sewer Replacements / Upgrades	7	Mammoliti	\$26,239,668	\$41,064 <sup>1</sup>	
14-01	Hucknall Rd. Broadoaks Dr. Roskell Cres., Ikley Rd. Fallingdale Cres. Sentinel Rd. Grandravine Dr.	Storm and Sanitary Sewer Replacements / Upgrades	8	Perruzza	\$9,284,000	\$28,832	
28-07 B	Sunnycrest Rd. Easement	Storm Sewer Outfall Upgrade	10	Pasternak	\$449,000	\$5,756	
3-01	Lonborough Ave Yore Rd Keele St Eglinton Ave W Cameron Ave Bicknell Ave	New Storm Sewer and Catchbasins	12	Di Giorgio	\$9,321,000	\$40,351 <sup>2</sup>	
3-04	Nairn Park Tank	Combined Sewer Storage Tank	17	Palacio	\$7,500,000	\$19,380	
28-12	Byng Ave.	Storm Sewer Replacements / Upgrades	23	Filion	\$203,117	\$7,812	
28-13	Averill Cres. Cummer Ave. Deering Cres. Silverview Dr. Mullet Rd.	Additional Inlet Capacity & Storm Sewer Replacements / Upgrades	24	Shiner	\$1,278,635	\$23,248	
31-15	Davisbrook Blvd. Dunmurray Blvd.	Storm Sewer Replacements / Upgrades	40	Kelly	\$578,606	\$9,643	
<b>Budget Available (2013) = \$56,414,000</b>							

**Table 1 (cont'd): Basement Flooding Protection Program – Project list: 2013 – 2016**

Project #	Location	Project Description	Ward	Councillor	Project Cost Estimate (\$)	Cost / Benefitting Home
10-02	Northglen Ave. Martin Grove Rd.	Storm Sewer Replacements / Upgrades	3	Holyday	\$1,206,800	\$5,719
10-04	Westglen Cres. Shaver Ave. N.	Storm & Sanitary Sewer Replacements / Upgrades	3	Holyday	\$887,800	\$12,504
14-03	Dundee Dr. Conamore Cres. Senitnel Rd. Killamarsh Dr. Madron Cres. Hucknall Rd.	Storm Sewer Replacements / Upgrades	8	Perruzza	\$2,926,000	\$15,319
14-07	Derrydown Rd. Easement	Storm Sewer Replacements / Upgrades	8	Perruzza	\$1,179,200	\$15,118
14-08	Fulwell Cres. Easement	Storm Sewer Replacements / Upgrades	8	Perruzza	\$785,400	\$11,383
14-09	Off Blacksmith Cres. (to the East)	Storm Sewer Replacements / Upgrades	8	Perruzza	\$1,540,000	\$22,985
14-10	Kennerly Crt.	Storm Sewer Replacements / Upgrades	8	Perruzza	\$149,600	\$6,504
16-21	Keele St. south of Wilson	Additional Inlet Capacity & Storm Sewer Upgrades	9	Augimeri	\$75,000	\$15,000
3-02	Rogers Rd. Blackthorn Ave. Rowntree Ave. Rosethorn Ave. Hillary Ave. Old Weston Rd.	New Storm Sewer and Catchbasins	12	Di Giorgio	\$5,695,875	\$10,099
16-09	Lookout Pl.	Additional Inlet Capacity & Storm Sewer Upgrades	12	Di Giorgio	\$202,000	\$20,200
16-13	Queens Dr.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$85,000	\$1,735
16-23	Liscombe Rd. Alladin Ave.	Sanitary Sewer Replacements / Upgrades	12	Di Giorgio	\$220,000	\$1,760
16-27	Brief Rd. Falstaff Ave. Blue Springs Rd.	Additional Inlet Capacity & Storm Sewer Upgrades	12	Di Giorgio	\$636,000	\$10,426
16-28	Falstaff Ave Fleetwood Ave Beckett Ave	Additional Inlet Capacity & Storm Sewer Upgrades	12	Di Giorgio	\$876,000	\$11,377
16-29	Rustic Park	Surface Dry Pond (storm runoff)	12	Di Giorgio	\$154,000	\$1,363
16-30	Maple Leaf Park	Surface Wet Pond (storm runoff)	12	Di Giorgio	\$770,000	\$19,744

Detailed Design Ongoing - (Construction Start in 2014)

**Table 1 (cont'd): Basement Flooding Protection Program – Project list: 2013 – 2016**

Detailed Design Ongoing - (Construction Start in 2014)	16-31	Jane St.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$216,000	\$3,273
	16-32	De Marco Blvd. Dante Rd.	Sanitary Sewer Replacements / Upgrades & Inline Storage	12	Di Giorgio	\$406,000	\$8,120
	16-36	Battersea Cr.	Inline Storm Storage Tank	12	Di Giorgio	\$286,000	\$14,300
	16-37	Culford Rd. Dante Rd. Gracefield Park	Additional Inlet Capacity, Storm Sewer Upgrades, Surface Dry Pond	12	Di Giorgio	\$373,000	\$4,337
	16-38	Sorlyn Ave.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$96,000	\$5,333
	16-39	Culford Rd. south of Woolton	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$94,000	\$6,714
	16-40	Culford Rd. north of Flamborough	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$83,000	\$8,300
	16-41	Cavern Crt.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$58,000	\$7,250
	16-42	Keele St. north of Ingram	Sanitary Sewer Replacements / Upgrades	12	Di Giorgio	\$283,000	\$21,769
	16-43	Flamborough Dr. west of Keele	Sanitary Sewer Replacements / Upgrades	12	Di Giorgio	\$216,000	\$5,268
	16-05	Bridgeland Ave.	Additional Inlet Capacity & Storm Sewer Upgrades	15	Colle	\$514,000	\$14,686
	16-06	Cartwright Ave. Paul David St.	Additional Inlet Capacity, Storm Sewer Upgrades, Offline Storage	15	Colle	\$1,757,000	\$14,056
	16-07	Jane Osler Blvd.	Storm Sewer Replacements / Upgrades	15	Colle	\$127,000	\$7,938
	29-08 A	Cummer Ave. Pineway Blvd. Bruce Farm Dr. Craigmont Dr. Olean Crt.	Storm Sewer Replacements / Upgrades Trench Drain Installation Backflow Valve Installation	24	Shiner	\$5,018,849	\$21,727
	29-14	Northwood Dr. Conacher Dr.	Storm Sewer Upsizing, and Road/Blvd. regrading	24	Shiner	\$394,262	\$7,439
	29-20	Loganberry Cres.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$497,200	\$19,123
	29-26	Janus Crt.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$138,160	\$10,628
	29-10	Corning Rd. Lesgay Cres. Lockmere Ter. Nymark Ave. Leslie Ave.	Storm Sewer Replacements / Upgrades Trench Drain Installation Major System Regrading	33	Carroll	\$4,309,228	\$21,228
	29-31	Alamosa Dr. west of Allenwood Dr.	Regrading of Intersection (surface flow reduction)	33	Carroll	\$46,200	\$4,200
	29-34	Ravenbury Rd.	Regrading of Intersection (surface flow reduction)	33	Carroll	\$84,150	\$10,519

**Table 1 (cont'd): Basement Flooding Protection Program – Project list: 2013 – 2016**

Detailed Design Ongoing - (Construction Start in 2014)	31-01	Glencoyne Cres.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$214,200	\$3,895
	31-03	Elmartin Dr.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$96,062	\$12,008
	31-04	Hawkshead Cres.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$760,400	\$9,625
	31-05	Pale Moon Cres.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$111,700	\$6,571
	31-06	Redheugh Cres.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$156,380	\$9,774
	31-07	Sandy Haven Dr.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$232,806	\$4,656
	31-08	Blairwood Terr.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$221,166	\$13,010
	31-09	Bridletowne Cir. Huntingdale Blvd.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$1,541,816	\$17,722
	31-11	Springhouse Sq.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$471,740	\$5,072
	31-19	Clydebank Blvd.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$113,430	\$9,453
	31-21	Glendower Crt.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$140,988	\$10,845
	31-18	Robintide Crt.	Storm Sewer Replacements / Upgrades	40	Kelly	\$64,476	\$2,803
	31-23	Timberbank Blvd.	Storm Sewer Replacements / Upgrades	40	Kelly	\$355,206	\$9,108
	3-03	The "Tunnel"	New Storm Tunnel New Storm Sewers & Additional Inlet Capacity	12, 15, 17	Di Giorgio Colle Palacio	\$101,600,000	\$39,441 <sup>3</sup>
<b>Budget Available (2014) = \$63,920,000</b>							

**Table 1 (cont'd): Basement Flooding Protection Program – Project list: 2013 – 2016**

Project #	Location	Project Description	Ward	Councillor	Project Cost Estimate (\$)	Cost per Benefitting Home
11-01	Evangeline Crt	Storm Sewer Replacements / Upgrades	1	Crisanti	\$166,400	\$27,733
11-02	Kidron Valley Dr	Storm Sewer Replacements / Upgrades	1	Crisanti	\$134,000	\$6,700
11-03	Dorward Dr Silverstone Dr Mount Olive Dr	Storm Sewer Replacements / Upgrades	1	Crisanti	\$2,024,200	\$8,033
7-01	Faversham Cres Rhinestone Dr Dixfield Dr Odessa Ave Birgitta Cres	Storm & Sanitary Sewer Replacements / Upgrades	3	Holyday	\$5,718,900	\$20,137
9-01	Carsbrooke Rd Renforth Dr Allonsius Dr Windust Gt Tranquil Dr Boreal Rd Outlet	Storm & Sanitary Sewer Replacements / Upgrades	3	Holyday	\$7,171,000	\$28,915
9-02	Carsbrooke Rd Renforth Dr Botley Rd Glos Rd Elderfield Cres Easement Burnhamthorpe Rd Boreal Rd	Sanitary & Storm Sewer Replacements / Upgrades	3	Holyday	\$2,133,200	\$8,602
10-03	Glen Meadow Crt Easement Laurel Ave.	Storm Sewer Replacements / Upgrades	3	Holyday	\$196,200	\$6,540
14-05	Gosford Blvd Fletcherdon Cres. Hullmar (east of Gosford)	Storm Sewer Replacements / Upgrades	8	Perruzza	\$4,043,600	\$25,116
16-03	Lady York Ave Anthony Rd Hartham Pl Winston Park Blvd. Northgate Dr. Whitley Ave. Anthony Park	New Storm Sewers and Storm Sewer Upgrades, Additional Inlet Capacity, and Underground Storm Storage Tank	9	Augimeri	\$6,425,000	\$42,550 <sup>3</sup>
16-04	Deverell Cr Easement	Storm Sewer Replacements / Upgrades	9	Augimeri	\$766,000	\$16,298

Preliminary Design Underway - (Possible Construction Start - 2015 / 2016 / 2017)

**Table 1 (cont'd): Basement Flooding Protection Program – Project list: 2013 – 2016**

Preliminary Design Underway - (Possible Construction Start - 2015 / 2016 / 2017)	16-08	Floral Pkwy Cornelius Pkwy Ingleside Dr.	Storm Sewer Replacements / Upgrades, & Inline Storm Sewer Storage	9, 12	Augimeri Di Giorgio	\$1,873,000	\$22,035
	16-20	Rainswood Crt	Additional Inlet Capacity & Storm Sewer Upgrades	9	Augimeri	\$317,000	\$10,931
	16-01	North Park Ravine	Sanitary Sewer Replacements / Upgrades	12	Di Giorgio	\$1,229,000	N/A <sup>4</sup>
	16-10	Circle Ridge Trelawn Pkwy North Park Dr	Additional Inlet Capacity & Storm Sewer Upgrades	12	Di Giorgio	\$659,000	\$27,458
	16-26	Blue Springs Rd Rustic Rd	Additional Inlet Capacity & Storm Sewer Upgrades	12	Di Giorgio	\$395,000	\$26,333
	16-33	Eugene St	Additional Inlet Capacity, Storm Sewer Upgrades, Offline Storm Sewer Storage	15	Colle	\$1,359,000	\$20,284
	16-44	Ennerdale St Easement	Sanitary Sewer Replacements / Upgrades & Inline Sewer Storage	15	Colle	\$1,199,000	\$23,510
	28-01	Hilda Ave. (at Drewry & Connaught)	Storm & Sanitary Sewer Replacements / Upgrades	23	Filion	\$3,576,430	\$22,636
	29-07 A	Bestview Dr. Topaz Gt. Harrington Cres. Kentland Cres.	Storm Sewer Replacements / Upgrades	24	Shiner	\$6,826,050.00	\$30,748
	29-08 B	Bruce Farm Dr. Olean Crt.	Storm Sewer Replacements / Upgrades	24	Shiner	\$5,018,849	\$21,727
	29-12	James Gray Dr. Mallaby Rd.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$1,393,700.00	\$17,206
	29-19	Woodthrush Crt	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$335,500	\$17,658
	29-21	Beardmore Cres.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$577,500.00	\$24,063
	29-25	Saddletree Dr.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$316,800	\$17,600
	30-18	Reiber Cres. Pineway Blvd. Easement	Storm Sewer Replacements / Upgrades, & New Storm Sewers	24	Shiner	\$591,000	\$5,794
	32-03	Ivy Ave.	New Storm Sewers	30	Fletcher	\$158,070	\$13,173
32-04	Eastern Ave. Winnifred Ave. Mosley St. Leslie St. Easement	Storm Sewer Replacements / Upgrades	30	Fletcher	\$1,886,868	\$11,793	

**Table 1 (cont'd): Basement Flooding Protection Program – Project list: 2013 – 2016**

Preliminary Design Underway - (Possible Construction Start - 2015 / 2016 / 2017)	32-17	Alton Ave. Queen St. E. Laing St.	Combined Sewer Replacements / Upgrades	30,32	Fletcher, Mc Mahon	\$532,782	\$8,325
	32-18	Ravina Cres. Earl Grey Rd. Shudell Ave. Hunter St.	New Storm Sewers	30	Fletcher	\$998,648	\$14,473
	32-19	Gerrard St. E. First Ave.	Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	30	Fletcher	\$256,726	\$4,209
	32-20	Pape Ave.	New Storm Sewers	30	Fletcher	\$419,438	\$2,330
	32-21	Queen St. E. Leslie St. Jones Ave. Coady Ave.	Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	30	Fletcher	\$2,009,746	\$9,949
	32-22	Carlaw Ave.	Combined Sewer Replacements / Upgrades	30	Fletcher	\$1,234,913	\$26,846
	32-23	Morse St.	Storm Sewer Replacements / Upgrades	30	Fletcher	\$440,166	\$6,379
	32-24	Booth Ave. Empire Ave.	Storm Sewer & Combined Sewer Replacements / Upgrades	30	Fletcher	\$647,393	\$4,434
	32-25	Saulter St. Eastern Ave.	New Storm Sewers	30	Fletcher	\$613,927	\$11,162
	32-01	Luttrell Ave. Danforth Ave.	Combined Sewer Replacements / Upgrades	32	McMahon	\$341,224	\$2,007
	32-05	Glen Manor Dr.	New Storm Sewers	32	McMahon	\$178,200	\$4,816
	32-06	Rainsford Rd.	Combined Sewer Replacements / Upgrades	32	McMahon	\$35,323	\$1,039
	32-07	Elmer Ave.	Storm Sewer Replacements / Upgrades	32	McMahon	\$120,815	\$6,041
	32-08	Queen St. E	New Sanitary Diversion Sewer Installation	32	McMahon	\$26,680	\$834
	32-09	Hambly Ave.	Storm Sewer Replacements / Upgrades	32	McMahon	\$194,666	\$2,949
	32-10	Lake Shore Blvd. E.	Storm Sewer Replacements / Upgrades	32	McMahon	\$1,132,380	\$18,873
	32-11	Woodbine Ave. Kewbeach Ave. Buller Ave. Kippendale Ave. Kenilworth Ave.	Storm Sewer & Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	32	McMahon	\$1,633,693	\$9,610
	32-12	Waverley Rd.	New Storm Sewers	32	McMahon	\$215,679	\$6,740
	32-13	Lee Ave.	New Storm Sewers	32	McMahon	\$232,706	\$10,118
32-14	Craven Rd. Rhodes Ave. Queen St. E.	Storm Sewer & Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	32	McMahon	\$2,449,387	\$9,568	

**Table 1 (cont'd): Basement Flooding Protection Program – Project list: 2013 – 2016**

Preliminary Design Underway – (Possible Construction Start - 2015 / 2016 / 2017)	32-15	Kerr Rd.	Storm Sewer Replacements / Upgrades, & provide Standby power at pumping station	32	McMahon	\$103,596	\$2,302
	32-16	Eastern Ave. Minto St.	Storm Sewer & Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	32	McMahon	\$1,171,014	\$9,678
	32-26	Victoria Park Ave.	Combined Sewer Replacements / Upgrades	32	McMahon	\$497,248	\$6,294
	32-27	Kingswood Rd. Queen St. E. Neville Park Blvd.	Storm Sewer Replacements / Upgrades, & New Storm Sewer Installations	32	McMahon	\$989,376	\$17,667
	29-02 C	Kempsell Cres. Houston Cres. Deerford Rd. Hobart Dr. Ashstead Pl. Easements	Trench Drain Installation and Storm Sewer Upsizing	33	Carroll	\$9,013,378	\$20,626
	29-05	Alamosa Dr. Geraldton Dr. Allview Cres.	Trench Drain Installation & Storm Sewer Upsizing, Inline Sanitary Storage and Sewer Replacements	33	Carroll	\$2,799,500	\$30,429
	29-11	Seneca Hill Dr. Angus Dr. Silas Hill Dr.	Storm Sewer Replacements / Upgrades, Trench Drain Installation, & Road Regrading	33	Carroll	\$7,346,724	\$28,257
	29-28	Parkway Forest Dr. @ Capella Starway	Regrading of Intersection (surface flow reduction)	33	Carroll	\$84,150	\$5,610
	29-30	Longhope Pl.	Trench Drain Installation & Storm Sewer Upsizing	33	Carroll	\$336,600	\$28,050
	30-05	Kingslake Rd. Baroness Cres. Sandbourne Cres.	Storm Sewer Replacements / Upgrades, & Sanitary Sewer Inline Storage	33	Carroll	\$3,902,800	\$28,281
	30-17	Snapdragon Dr. Clematis Rd. Brian Dr. Sheppard Ave. E.	Storm Sewer Replacements / Upgrades	33	Carroll	\$3,000,000	\$28,571
	33-01	Avalon Blvd.	New Storm Sewers	36	Crawford	\$500,000	\$19,231
	33-03	Kennedy Rd. Haslam St. Malta St. Preston St. Craiglee Dr.	New Storm Sewers	36	Crawford	\$2,500,000	\$21,739
	33-05	Chine Dr. Montvale Dr. St. Clair Ave. E.	New Storm Sewer Inline Storage	36	Crawford	\$2,900,000	N/A <sup>5</sup>

**Table 1 (cont'd): Basement Flooding Protection Program – Project list: 2013 – 2016**

	31-12	Stonebridge Blvd.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$169,784	\$24,255
	31-13	Orangewood Cres.	Storm Sewer Replacements / Upgrades	40	Kelly	\$388,716	\$27,765
	<b>Budget Available (2015, 2016, and 2017) = \$205,482,000</b>						

**Notes:**

1 - Design and construction for these projects was committed to prior to the implementation of the current cost threshold of \$32,000 / benefitting home, and as such it is proceeding to completion.

2 - Even though this project exceeds \$32,000 per benefitting home it is proceeding to construction to allow it to be completed in advance of the Metrolinx Eglinton Crosstown LRT project.

3 - Project refinements are being explored to reduce costs below the allowable threshold of \$32,000 per benefitting home, thereby allowing the project to proceed into construction.

4 - This project was initiated due to the poor conditions of the existing sewers, and as such the \$32,000 per benefitting rule is not applicable.

5 - The number of benefitting homes is not yet available from the Consultant but based on preliminary information, the cost per benefitting home is expected to be less than \$32,000 per benefitting home.