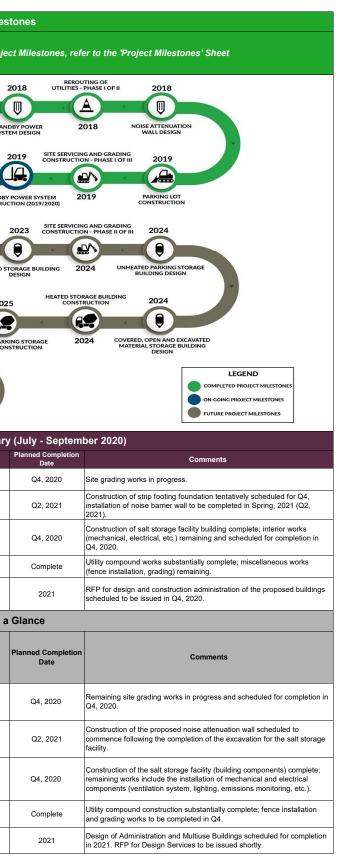


City of Cornwall Municipal Works Redevelopment Project - Status Report Dashboard as of September 30, 2020

						Financial Summ	ary								Proje	ct Miles
Year		Original s D Estimate	Annual Budget (A)	Bu	evised udget (B)	Outstanding Committed Funds (C)	Expenses To Date (D)		Forecast to Year End E = User Input)	Total Spent and Forecast F=(D+E)	Variance (B - F)		For additional informati	ion on complet	ted and on-goi	ing Proje
2017	\$	455,000.00	\$ 1,000,000.00	\$ 1	1,000,000.00	\$ -	\$ 177,7	732.70 \$	-	\$ 177,732.70 \$	822,267.30		SITE SERVICING & GRADING PLAN DESIGN	2017	NOISE IMPACT ASSESSMENT	:
2018	\$	-	\$ 2,305,000.00	\$ 2	2,489,750.00	\$ 1,704,523.58	\$ 559,5	597.86 \$	-	\$ 559,597.86 \$	1,930,152.14				2	-
2019	\$	1,304,750.00	\$ 4,080,000.00	\$ 6	6,053,623.00	\$ 4,597,868.95	\$ 1,572,3	360.54 \$	-	\$ 1,572,360.54 \$	4,481,262.46		2017 SA FAC	ALT STORAGE CILITY DESIGN	2017	STAN
2020	\$	2,978,240.00	\$ 1,565,000.00	\$ 1	1,738,259.00	\$ -	\$ 4,443,0	\$ 80.860	2,880,046.33	\$ 7,323,144.41 -\$	5,584,885.41		ADMINISTRATION AND MULTIUSE BUILDING DESIGN	2020 54	ALT STORAGE FACILIT	ry :
2021	\$	6,232,240.00		\$ 2	2,905,339.61											-
2022	\$	6,210,000.00		\$	100,000.00									ATTENUATION WALL JCTION - PHASE I OF II	2020	STANDBY
2023	\$	4,861,270.00		\$ 11	1,940,748.00								ADMINISTRATION BUILDING CONSTRUCTION	2022 CON	USE BUILDING AND G	GARAGE 2024)
2024	\$	736,500.00		\$ 4	4,949,333.00											- (
2025	\$	494,000.00		\$ 1	1,107,450.00									UTING OF UTILITIES - PHASE II OF II	2023	HEATED ST
2026	\$	2,156,250.00		\$ 1	1,307,406.00									026 BUILDIN	ERED, OPEN AND ED MATERIAL STORAGE NG CONSTRUCTION	202
2027	\$	1,275,430.00		\$ 1	1,147,887.00											
Contingency	\$	5,340,736.00	\$ -	\$ 2	2,055,282.40								CONSTRUCTION	IUATION WALL N - PHASE II OF II		HEATED PARK UILDING CON
Project Total	\$	32,044,416.00	\$ 8,950,000.00	\$ 36	6,795,078.01	\$ 6,302,392.53	\$ 6,752,7	789.18 \$	27,987,006.43	\$ 34,739,795.61 -\$	2,695,379.61		SITE SERVICING AND GRADING CONSTRUCTION - PHASE III OF III	2027	PROJ	
eneral Comments	s														COMPL	
	The Ori	iginal Class D Estin	nate prepared by AECC	M in 2016 r												2
	• 20% co	ontingency fund. Th	e 2016 AECOM Class '	D' estimate	was designed	nticipated building demoli to provide the Corporation	tion and construction on with an overall rep	n costs for t placement v	he redevelopment of th alue for each of the bu	he Municipal Works (MW) Ya iildings within the MW Yard.	rd, complete with a		EQUIPMENT	ND LANDSCAPING T STORAGE MODULE NSTRUCTION		
	 20% co Accordi 	ing to Public Servic	e 2016 AECOM Class '	D' estimate anada , a Cla	was designed	to provide the Corporation tive) Estimate is "to be in	on with an overall rep unit cost analysis fo	nmat (such	alue for each of the bu as cost per m ² or other	uildings within the MW Yard. measurement unit) based up	oon a		EQUIPMENT	T STORAGE MODULE	chedule & Si	ummary
	 20% co Accordi compre flows in 	ing to Public Servic chensive list of proje the Analysis Phas	e 2016 AECOM Class ' res and Procurement Ca ect requirements (i.e. so re[]" ¹ In other words, a	D' estimate anada , a Cla cope) and as a Class D es	was designed lass 'D' (Indicat ssumptions; th stimate is desig	to provide the Corporation tive) Estimate is "to be in e Class D estimate is evo gned to provide a summa	on with an overall rep unit cost analysis fo lived throughout the ry of projected costs	nmat (such a phases of t and must b	alue for each of the bu as cost per m ² or other he project identification be updated and evolve	uildings within the MW Yard. Treasurement unit) based up In stage, finally being incorpor as the project progresses.	oon a rated into the cash	Phase	EQUIPMENT	T STORAGE MODULE	chedule & Su Current	
	 20% co Accordi compre flows in The list 	ing to Public Servic chensive list of proje the Analysis Phas t of project requirem	e 2016 AECOM Class ' res and Procurement Ci ect requirements (i.e. sc re[]" ¹ In other words, a nents and assumptions	D' estimate anada , a Cla cope) and as a Class D es included as	was designed lass 'D' (Indical ssumptions; th stimate is design s part of the cos	to provide the Corporation tive) Estimate is "to be in e Class D estimate is evo gned to provide a summa	on with an overall rep unit cost analysis fo olved throughout the ry of projected costs ECOM consisted of	rmat (such of phases of the sand must building only building on the same of the same o	alue for each of the bu as cost per m ² or other he project identification be updated and evolve g construction and der	uildings within the MW Yard. r measurement unit) based up n stage, finally being incorpor	oon a rated into the cash	Phase C2/C4	EQUIPMENT CON	T STORAGE MODULE		t Status
	 20% co Accordi compre flows in The list not incl The for 	ing to Public Servic shensive list of proje the Analysis Phas t of project requirent uded as part of the	e 2016 AECOM Class ' tes and Procurement Ca act requirements (i.e. so e[]" In other words, a nents and assumptions projected cost estimate	D' estimate anada , a Cla cope) and as a Class D es included as e. A summar	was designed lass 'D' (Indica ssumptions; th stimate is design part of the cost ry of additiona	to provide the Corporation tive) Estimate is <i>"to be in e Class D estimate is evo</i> gned to provide a summa st estimate prepared by A I project requirements ca	on with an overall rep unit cost analysis fo lived throughout the ry of projected costs ECOM consisted of n be found under the	olacement v rmat (such phases of t and must t only buildir e 'Project Cl	alue for each of the bu as cost per m ² or other he project identification be updated and evolve g construction and der hanges' sheet.	uildings within the MW Yard. Treasurement unit) based up In stage, finally being incorpor as the project progresses.	oon a ated into the cash equirements were		EQUIPMENT CON Project Component	T STORAGE MODULE	Current	t Status ogress ction Not
	 20% co Accordi compre flows in The list not inclu The for become The for remova 	ing to Public Servici shensive list of proje the Analysis Phas to f project requirem luded as part of the recasted values ind es available. recasted costs for fit al and disposal of co	le 2016 AECOM Class ' tes and Procurement Ci act requirements (i.e. sc e[]" In other words, a rents and assumptions projected cost estimate icated in the Financial S uture years <u>do not</u> inclu ontaminated soil/grounc	D' estimate anada , a Cla cope) and as a Class D es included as e. A summar Summary fro de the follow dwater, desig	was designed lass 'D' (Indicat ssumptions; th stimate is desig a part of the co- rry of additiona om 2021 to Pro- wing: LEED or ignated substa	to provide the Corporation tive) Estimate is "to be in e Class D estimate is evo gned to provide a summa st estimate prepared by A project requirements can oject Completion are estimate Net Zero building design	In with an overall rep unit cost analysis fo lived throughout the ry of projected costs ECOM consisted of n be found under the nates only and will b and construction co unanticipated constru	mat (such phases of t s and must h only buildir e 'Project Cl e updated a sts, reinforcuction cost i	alue for each of the bu as cost per m ² or other he project identification be updated and evolve g construction and der nanges' sheet. Is each phase of the pro- ted and/or non-standar noreases in future year	ilidings within the MW Yard. measurement unit) based up n stage, finally being incorpor as the project progresses. molition costs, other project rr roject progresses and addition rd foundation designs, costs ar or any additional interim m	oon a rated into the cash equirements were nal information	C2/C4	EQUIPMENT CON Project Component Site Grading and Servicing - Phase I of III	T STORAGE MODULE	Current In Prog	t Status ogress ction Not rted
	 20% coo Accordi compre flows in The list not incl The for become The for remova during e 	ing to Public Servici thensive list of project in the Analysis Phase to f project requirem luded as part of the recasted values indi- es available. recasted costs for fr al and disposal of cr each of the various	le 2016 AECOM Class ' tes and Procurement Ci act requirements (i.e. sc e[]" In other words, a rents and assumptions projected cost estimate icated in the Financial S uture years <u>do not</u> inclu ontaminated soil/grounc	D' estimate anada , a Cla cope) and as a Class D es included as e. A summar Summary fro de the follow dwater, desig	was designed lass 'D' (Indicat ssumptions; th stimate is desig a part of the co- rry of additiona om 2021 to Pro- wing: LEED or ignated substa	to provide the Corporation tive) Estimate is "to be in e Class D estimate is evo gned to provide a summa st estimate prepared by A I project requirements can oject Completion are estimate Net Zero building design noces or landfill material, U	In with an overall rep unit cost analysis fo lived throughout the ry of projected costs ECOM consisted of n be found under the nates only and will b and construction co unanticipated constru	mat (such phases of t s and must h only buildir e 'Project Cl e updated a sts, reinforcuction cost i	alue for each of the bu as cost per m ² or other he project identification be updated and evolve g construction and der nanges' sheet. Is each phase of the pro- ted and/or non-standar noreases in future year	ilidings within the MW Yard. measurement unit) based up n stage, finally being incorpor as the project progresses. molition costs, other project rr roject progresses and addition rd foundation designs, costs ar or any additional interim m	oon a rated into the cash equirements were nal information	C2/C4 C3	EQUIPMENT CON Project Component Site Grading and Servicing - Phase I of III Construct Noise Attenuation Wall (Phase I of II)	T STORAGE MODULE	Current In Pro Construc Star	t Status ogress ction Not rted ogress
	 20% co Accordi compretions in The list not incl The for become The for remova during e y Definition 	ing to Public Service henesive list of proje in the Analysis Phas to for project requirem luded as part of the recasted values indi es available. recasted costs for fu al and disposal of co each of the various	le 2016 AECOM Class ' tes and Procurement C act requirements (i.e. sc lefj" In other words, a nents and assumptions projected cost estimate icated in the Financial S uture years <u>do not</u> inclu ontaminated sol/grounc phases of construction	D' estimate anada , a Cit cope) and as a Class D es included as e. A summar Summary fro de the follov dwater, desig t o ensure th	was designed lass 'D' (Indical ssumptions; th stimate is design a part of the co- rry of additiona om 2021 to Pro- wing: LEED or ignated substat that the MW Ya	to provide the Corporation tive) Estimate is "to be in e Class D estimate is evo gned to provide a summa st estimate prepared by A I project requirements can oject Completion are estimate Net Zero building design noces or landfill material, U	In with an overall rep unit cost analysis fo lived throughout the ry of projected costs ECOM consisted of n be found under the nates only and will b and construction co unanticipated constru- inctional and access	variable constraints of the second se	alue for each of the bu as cost per m² or other he project identification be updated and evolve g construction and der hanges' sheet. Is each phase of the pro- ted and/or non-standar norceases in future year duration of the project.	ilidings within the MW Yard. measurement unit) based up n stage, finally being incorpor as the project progresses. molition costs, other project rr roject progresses and addition rd foundation designs, costs ar or any additional interim m	con a rated into the cash equirements were nal information associated with the easures required	C2/C4 C3 C5	EQUIPMENT CON Project Component Site Grading and Servicing - Phase I of III Construct Noise Attenuation Wall (Phase I of II) Construct Salt Storage Facility	T STORAGE MODULE	Current In Pro Construc Star In Pro	t Status ogress ction Not rted ogress plete
	 20% co Accordi compretions in Compretions in The list not inclustion inclustic inclustion inclustic inclinet inclustic inclustic inclustic inclustinter inclustic incl	ing to Public Service henesive list of proje in the Analysis Phas to for project requirem luded as part of the recasted values indi- es available. recasted costs for fu al and disposal of co- each of the various ons I Budget: A project uring budget deliber	le 2016 AECOM Class ' tes and Procurement C act requirements (i.e. sc lefj" In other words, a nents and assumptions projected cost estimate icated in the Financial S uture years <u>do not</u> inclu ontaminated sol/grounc phases of construction	D' estimate anada , a Cli cope) and as a class D es included as a. A summary fro de the follow Wwater, design to ensure th proved by Co	was designed lass 'D' (Indicat ssumptions; th stimate is design a part of the co- rry of additional orn 2021 to Pro- wing: LEED or ignated substa that the MW Ya Council each	to provide the Corporation tive) Estimate is "to be in e Class D estimate is evong ned to provide a summa st estimate prepared by A I project requirements can oject Completion are estimate Net Zero building design nces or landfill material, ta ard and offices are fully for e	In with an overall rep unit cost analysis fo lived throughout the ry of projected costs ECOM consisted of n be found under the nates only and will b and construction co unanticipated constru- unctional and access Forecast to Year B to date results and	view of the second seco	alue for each of the bu as cost per m ² or other he project identification be updated and evolve g construction and der hanges' sheet. Is each phase of the pro- nece and/or non-standar norceases in future year duration of the project. es an estimate of expen- nptions	ilidings within the MW Yard. measurement unit) based up in stage, finally being incorpor as the project progresses. molition costs, other project re roject progresses and additio rd foundation designs, costs a rs or any additional interim m	oon a ated into the cash equirements were nal information associated with the easures required end based on year	C2/C4 C3 C5 C7	EQUIPMENT CON Project Component Site Grading and Servicing - Phase I of III Construct Noise Attenuation Wall (Phase I of II) Construct Salt Storage Facility Construct Utility Compound	T STORAGE MODULE	Current In Pro Construc Star In Pro Comp In Pro	t Status ogress ction Not rted ogress plete
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nancial Summary	 20% co Accordi compretions in The list not inclu The for become The for remova during d y Definition Annual year du Revise Tender: REFPS, f 	ing to Public Servici ing to Public Servici hensive list of proje in the Analysis Phas of project requirem luded as part of the recasted values indi- es available. Tecasted values indi- es available. Tecasted values indi- each of the various ons I Budget: A project uring budget deliber ad Budget: Include s, RFPs, etc.) nding Committed Purchase Orders, e	le 2016 AECOM Class ' tes and Procurement Cl act requirements (i.e. sc ie[]" In other words, a rents and assumptions projected cost estimate icated in the Financial S uture years <u>do not</u> inclu ontaminated soil/grounc phases of construction tion of project costs app ations s all approvals by Coun Funds: Funds committ thc.	D' estimate anada , a Cl cope) and as a Class D es included as a. A summar Summary fro de the follow water, desji to ensure th proved by Cr cil (Annual E ed through	was designed lass 'D' (Indicat ssumptions; th stimate is designed spart of the co- rry of additional om 2021 to Pro- wing: LEED or ignated substa that the MW Ya Council each Budget, Tendering,	to provide the Corporation tive) Estimate is <i>"to be in e Class D estimate is evo</i> gned to provide a summa st estimate prepared by <i>A</i> I project requirements can oject Completion are estimate Net Zero building design nces or landfill material, the and offices are fully for end	In with an overall rep unit cost analysis fo lived throughout the ry of projected costs ECOM consisted of n be found under the nates only and will b and construction co unanticipated constru- innational and access Forecast to Year B to date results and Total Spent and F end to project the a Variance: The diff annual spend, excli Project Total Row date (Projected am	view of the second seco	alue for each of the bu as cost per m² or other he project identification re updated and evolve g construction and der hanges' sheet. Is each phase of the pro- red and/or non-standar norreases in future year duration of the project. es an estimate of expen- nptions tals the expenditures t d reen the revised budge gency.	ilidings within the MW Yard. measurement unit) based up n stage, finally being incorpor as the project progresses. molition costs, other project re- roject progresses and addition rd foundation designs, costs in rs or any additional interim m - enditures to be spent by year to date and the estimated exp et (monies committed to the p	bon a ated into the cash equirements were nal information associated with the easures required end based on year benditures to year roject) and projected the entire project to	C2/C4 C3 C5 C7 C9	EQUIPMENT CON Project Component Site Grading and Servicing - Phase I of III Construct Noise Attenuation Wall (Phase I of II) Construct Salt Storage Facility Construct Utility Compound Design of Multiuse and Administration Buildings	T STORAGE MODULE	Current In Pro Construc Star In Pro Comp Comp In Pro 12 Mon	t Status ogress ction Not rrted ogress plete ogress ths at a t Status
nancial Summary	 20% co Accordi compre- flows in The list not incl The for- become The for- remova during of y Definition Annual year du Revise Tender: Coutsta RFPs, f Expense 	ing to Public Service henesive list of project nethensive list of project in the Analysis Phase to for project requirem luded as part of the ecasted values indi- es available. ecasted costs for fr al and disposal of co- each of the various ons I Budget: A project ring budget deliber of Budget: Include s, RFPs, etc.) nding Committed Purchase Orders, et ses To Date: Include Risk Dee neter it must be hance	le 2016 AECOM Class ' tes and Procurement Cl act requirements (i.e. sc ie[]" In other words, a rents and assumptions projected cost estimate icated in the Financial S uture years <u>do not</u> inclu ontaminated soil/grounc phases of construction tion of project costs app ations s all approvals by Coun Funds: Funds committ thc.	D' estimate anada , a Cli cope) and as a Class D es included as a. A summar Summary fro de the follow Wavater, desji to ensure th oroved by Cr icil (Annual E ed through "	was designed lass 'D' (Indicat ssumptions; th stimate is desig s part of the co- rry of additiona om 2021 to Pro- wing: LEED or ignated substa that the MW Yas Council each Budget, Tendering, te.	to provide the Corporation tive) Estimate is <i>"to be in</i> <i>e Class D estimate is evo</i> gned to provide a summa st estimate prepared by <i>A</i> I project requirements can oject Completion are estim Net Zero building design noces or landfill material, ard and offices are fully fu e Project Risks	In with an overall rep unit cost analysis fo lived throughout the ry of projected costs ECOM consisted of n be found under the nates only and will b and construction co inanticipated constru- unctional and access Forecast to Year B to date results and Total Spent and F end to project the a Variance: The diff annual spend, excl Project Total Row date (Projected am	As As As	alue for each of the bu as cost per m ² or other he project identification be updated and evolve g construction and der hanges' sheet. Is each phase of the pro- ed and/or non-standar noreases in future year duration of the project. Is each share of the project. Is each share of the project. It is the expenditures to duration share of expen- ptions tals the expenditures to duration of but project and the project.	ilidings within the MW Yard. measurement unit) based up n stage, finally being incorpor as the project progresses. molition costs, other project re roject progresses and additio rd foundation designs, costs a rs or any additional interim m . enditures to be spent by year to date and the estimated ex at (monies committed to the p udget, forecast and spent for re in grey and apply to the wh Mitigation uture phase of redevelopmen eted to determine the likelihor	bon a ated into the cash equirements were nal information associated with the easures required end based on year benditures to year roject) and projected the entire project to hole project)	C2/C4 C3 C5 C7 C9 Phase	EQUIPMENT CON Project Component Site Grading and Servicing - Phase I of III Construct Noise Attenuation Wall (Phase I of II) Construct Salt Storage Facility Construct Utility Compound Design of Multiuse and Administration Buildings	T STORAGE MODULE	Current In Pro Construct Star In Pro Comp In Pro Comp Comp Current Current	t Status pgress ction Not rted pgress plete pgress t Status ggress ction Not
inancial Summary contaminated soil anagement (Re: C quirements).	 20% co Accordi compretions in The list not inclustion The for become The for removal during during y Definition Annual year du Revise Tender: Outsta REPS, i Expense 	ing to Public Service henesive list of proje in the Analysis Phass of project requirem luded as part of the recasted values indi- es available. recasted costs of fit al and disposal of cc each of the various ons I Budget: A project uring budget deliber of Budget: Include is, RFPs, etc.) Inding Committed Purchase Orders, e ses To Date: Include Risk Des her it must be hand i/04 for additional in	e 2016 AECOM Class ' tes and Procurement C act requirements (i.e. sc ie[]" In other words, a nents and assumptions projected cost estimate icated in the Financial S uture years <u>do not</u> inclu ontaminated soll/grounc phases of construction tion of project costs app ations s all approvals by Coun Funds: Funds committed the according to current	D' estimate anada , a Cli cope) and as a Class D es included as e. A summar Summary fro de the follow dwater, desig to ensure th corved by Cr cil (Annual E cil (Annual F ed through " surred to date tregulations ations and	was designed lass 'D' (Indical ssumptions; th stimate is designed is part of the cou- rry of additional om 2021 to Pro- wing: LEED or ignated substa that the MW Ya Council each Budget, Tendering, te.	to provide the Corporation to provide the Corporation tive) Estimate is <i>"to be in</i> <i>e Class D estimate is evo</i> gned to provide a summa st estimate prepared by <i>A</i> I project requirements can object Completion are estimate Net Zero building design noces or landfill material, L ard and offices are fully fu Project Risks Probability	In with an overall rep unit cost analysis fo lived throughout the ry of projected costs ECOM consisted of n be found under the nates only and will b and construction co inanticipated constru- unctional and access Forecast to Year B to date results and Total Spent and F end to project the a <i>Variance:</i> The diff annual spend, excil Project Total Row date (Projected am Impact	A c citter control of the second of the sec	alue for each of the bu as cost per m² or other he project identification re updated and evolve g construction and der hanges' sheet. Is each phase of the pro- red and/or non-standar noreases in future year duration of the project. es an estimate of expen- nptions bals the expenditures t d reen the revised budge iggncy. the total amounts of bu ling upcoming years ar boart of the design for fu essment will be comple erial within the project of pomprehensive geotech	ilidings within the MW Yard. measurement unit) based up n stage, finally being incorpor as the project progresses. molition costs, other project re roject progresses and additio rd foundation designs, costs a rs or any additional interim m . enditures to be spent by year to date and the estimated ex at (monies committed to the p udget, forecast and spent for re in grey and apply to the wf Mitigation uture phase of redevelopmen ted to determine the likelihoo extents.	bon a ated into the cash equirements were nal information associated with the easures required end based on year benditures to year roject) and projected the entire project to hole project) t, an environmental od of contaminated inpleted as part of	C2/C4 C3 C5 C7 C9 Phase C2/C4	EQUIPMENT CON Project Component Site Grading and Servicing - Phase I of III Construct Noise Attenuation Wall (Phase I of II) Construct Salt Storage Facility Construct Utility Compound Design of Multiuse and Administration Buildings Description Site Grading and Servicing - Phase I of III	T STORAGE MODULE	Current In Pro Construct Star In Pro Comp In Pro Comp In Pro In Pro In Pro Current In Pro Construct Current Construct Construc	t Status ogress ction Not rted ogress plete ogress t Status ogress t Status ogress ction Not rted
inancial Summary contaminated soil anagement (Re: C equirements). poor geotechnical iquired.	 20% co Accordi <i>compre</i> flows in The list not incl The for become The for remova during e y Definitic Annuai year du Revise Tenders Outsta RFPS, I Expens I is encour D.Reg 153 I condition 	ing to Public Service henesive list of proje in the Analysis Phass of project requirem luded as part of the recasted values indi- es available. recasted costs of fit al and disposal of cc each of the various ons I Budget: A project uring budget deliber of Budget: Include is, RFPs, etc.) Inding Committed Purchase Orders, e ses To Date: Include Risk Des her it must be hand i/04 for additional in	e 2016 AECOM Class ' tes and Procurement C ect requirements (i.e. sc ef)" ¹ In other words, a nents and assumptions projected cost estimate icated in the Financial S uture years <u>do not</u> inclu- ontaminated soil/ground phases of construction tion of project costs apprations s all approvals by Coun Funds: Funds committed tet.	D' estimate anada , a Cli cope) and as a Class D es included as e. A summar for de the follow dwater, desig to ensure the coroved by Cr ccil (Annual E ed through " surred to dat it regulations and foundations	was designed lass 'D' (Indica ssumptions; th stimate is designed s part of the co- iny of additional om 2021 to Pro- wing: LEED or ignated substa that the MW Ya Council each Budget, Tendering, te.	to provide the Corporation to provide the Corporation tive) Estimate is <i>"to be in</i> <i>e Class D estimate is evo</i> gned to provide a summa st estimate prepared by <i>A</i> I project requirements can object Completion are estimate Net Zero building design noces or landfill material, ure and offices are fully function <i>estimate in the state of the state</i>	Impact Im	view of the second seco	alue for each of the bu as cost per m ² or other he project identification be updated and evolve g construction and der hanges' sheet. Is each phase of the pro- ect and/or non-standar norceases in future year duration of the project. es an estimate of expen- nptions btals the expenditures t d veen the revised budge igency. the total amounts of bu ling upcoming years ar boart of the design for fu essment will be comple erial within the project.	ilidings within the MW Yard. measurement unit) based up n stage, finally being incorpor as the project progresses. molition costs, other project re roject progresses and additio rd foundation designs, costs a rs or any additional interim m . enditures to be spent by year to date and the estimated ex at (monies committed to the p udget, forecast and spent for re in grey and apply to the wf Mitigation uture phase of redevelopmen ted to determine the likelihoo extents.	bon a ated into the cash equirements were nal information associated with the easures required end based on year benditures to year roject) and projected the entire project to hole project) t, an environmental od of contaminated inpleted as part of	C2/C4 C3 C5 C7 C9 Phase C2/C4	EQUIPMENT CON Project Component Site Grading and Servicing - Phase I of III Construct Noise Attenuation Wall (Phase I of II) Construct Utility Compound Design of Multiuse and Administration Buildings Description Site Grading and Servicing - Phase I of III Construct Noise Attenuation Wall (Phase I of II)	T STORAGE MODULE	Current In Pro Construct In Pro Construct In Pro Comp In Pro Comp In Pro Current In Pro Current Current Construct Start	t Status ogress ction Not rted ogress plete ogress t Status ogress ction Not rted ogress ction Not rted



						Fi	nancial Report			
	Site Servicing	Environmental Remediation	Site Reconfiguration	Salt Storage Facility	Rerouting of Utilities	Standby Power System	Parking Lot Construction	New Administration and Multiuse Building Design & CA	Total	Commentary
Year	C2	C3	C4	C5	C6	C7	C8	C9		
2017	\$425,000.00	\$300,000.00	\$150,000.00	\$125,000.00						2017 Annual Budget
2018		\$875,000.00		\$1,000,000.00	\$400,000.00	\$30,000.00			\$2,305,000.00	
2019				\$2,500,000.00		\$900,000.00	\$230,000.00	\$450,000.00	\$4,080,000.00	• •
2020								\$1,565,000.00	\$1,565,000.00	2020 Annual Budget
Total Annual Budgets (A)	\$425,000.00	\$1,175,000.00	\$150,000.00	\$3,625,000.00	\$400,000.00	\$930,000.00	\$230,000.00	\$2,015,000.00	\$8,950,000.00	
2017									\$0.00	
2018		\$184,750.00							\$184,750.00	Refer to Project Changes C3-5
2019	\$1,019,583.00		\$380,040.00	\$574,000.00					\$1,973,623.00	Refer to Project Changes C2-2, C4-
2020	\$25,010.00	\$15,041.00	\$11,058.00	\$111,290.00		\$10,860.00			\$173,259.00	Refer to Project Changes C2-3, C3
Project Changes (Budget/Cost)	\$1,044,593.00	\$199,791.00	\$391,098.00	\$685,290.00	\$0.00	\$10,860.00	\$0.00	\$0.00	\$2,331,632.00	
2017	\$425,000.00	\$300,000.00	\$150,000.00	\$125,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,000,000.00	
2017	\$0.00	\$1,059,750.00	\$130,000.00	\$1,000,000.00	\$400,000.00	\$30,000.00	\$0.00	\$0.00	\$1,000,000.00	
2010	\$1,019,583.00	\$0.00	\$380,040.00	\$3,074,000.00	\$0.00	\$900,000.00	\$230,000.00	\$450,000.00		Annual budget adjusted based on 1
2020	\$25,010.00	\$15,041.00	\$11,058.00	\$111,290.00	\$0.00	\$10,860.00	\$0.00	\$1,565,000.00	\$1,738,259.00	
Revised Budget (B)	\$1,469,593.00	\$1,374,791.00	\$541,098.00	\$4,310,290.00	\$400,000.00	\$940,860.00	\$230,000.00	\$2,015,000.00	\$11,281,632.00	
2017	\$0.00	\$0.00	\$0.00	\$0.00					\$0.00	
2017	\$U.UU	\$0.00	\$0.00	\$0.00	\$357,441.53	\$0.00			\$0.00	
2010	\$565,836.31	φ 44 7,001.01	\$7,609.53	\$3,074,000.00	\$307,441.00	\$854,683.66	\$95,739.45		\$4,597,868.95	
2020	\$000,000.01		\$1,000.00	ψ0,074,000.00		4004,000.00	φ 30,103. 1 0		\$0.00	
Outstanding Committed Funds (C)	\$565,836.31	\$447,551.51	\$7,609.53	\$3,973,530.54	\$357,441.53	\$854,683.66	\$95,739.45	\$0.00	\$6,302,392.53	
2017	\$26,675.92	\$118,825.83	\$254.40	\$31,976.55					\$177,732.70	
2017	\$20,075.92	\$474,464.82	\$2.54.40	\$33,572.13	\$42,558.47				\$559,597.86	
2010	\$817,572.81	(\$2,971.79)	\$302,709.45	\$152,559.09	\$95,647.13	\$75,010.71	\$131,833.14		\$1,572,360.54	
2020	\$278,348.35	\$19,370.33	\$135,274.26	\$3,071,148.61	\$97,246.43	\$789,414.52	\$52,295.58		\$4,443,098.08	
Expenditures To Date (D)	\$1,131,599.52	\$609,689.19	\$438,238.11	\$3,289,256.38	\$235,452.03	\$864,425.23	\$184,128.72	\$0.00	\$6,752,789.18	
2017									\$0.00	
2018									\$0.00	
2019									\$0.00	
2020	\$337,009.83	\$807,547.09	\$122,682.00	\$1,171,448.51	\$65,000.00	\$80,487.62	\$45,871.28	\$250,000.00	\$2,880,046.33	Forecast values include costs associated expenses, as well as construction ac
Forecast to Year End (E=User Input)	\$337,009.83	\$807,547.09	\$122,682.00	\$1,171,448.51	\$65,000.00	\$80,487.62	\$45,871.28	\$250,000.00	\$2,880,046.33	
2017	\$26,675.92	\$118,825.83	\$254.40	\$31,976.55	\$0.00	\$0.00	\$0.00	\$0.00	\$177,732.70	
2018	\$9,002.44	\$474,464.82	\$0.00	\$33,572.13	\$42,558.47	\$0.00	\$0.00	\$0.00	\$559,597.86	
2019	\$817,572.81	(\$2,971.79)	\$302,709.45	\$152,559.09	\$95,647.13	\$75,010.71	\$131,833.14	\$0.00	\$1,572,360.54	
2020 Estimated Total Spent to	\$615,358.18	\$826,917.42	\$257,956.26	\$4,242,597.12	\$162,246.43	\$869,902.14	\$98,166.86	\$250,000.00	\$7,323,144.41	
Year End (F=D+E)	\$1,468,609.35	\$1,417,236.28	\$560,920.11	\$4,460,704.89	\$300,452.03	\$944,912.85	\$230,000.00	\$250,000.00	\$9,632,835.51	
2017	\$398,324.08	\$181,174.17	\$149,745.60	\$93,023.45	\$0.00	\$0.00	\$0.00	\$0.00	\$822,267.30	
2017	(\$9,002.44)	\$585,285.18	\$149,745.00	\$966,427.87	\$357,441.53	\$0.00	\$0.00	\$0.00	\$1,930,152.14	
2018	\$202,010.19	\$2,971.79	\$0.00	\$900,427.87	(\$95,647.13)	\$824,989.29	\$98,166.86	\$450,000.00	\$4,481,262.46	
2019	(\$590,348.18)	(\$811,876.42)	(\$246,898.26)	(\$4,131,307.12)	(\$162,246.43)	(\$859,042.14)	(\$98,166.86)	\$1,315,000.00	(\$5,584,885.41	
Year End Variance	\$983.65	(\$42,445.28)	(\$19,822.11)	(\$150,414.89)	\$99,547.97	(\$4,052.85)	\$0.00	\$1,765,000.00	\$1,648,796.49	
(B-F)										
2021+	(\$17,488.75)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$1,765,000.00)	(\$1,782,488.75))
Project	(\$16,505.10)	(\$42,445.28)	(\$19,822.11)	(\$150,414.89)	\$99,547.97	(\$4,052.85)	\$0.00	\$0.00	(\$133,692.26	

C4-2 and C5-5
C3-8, C4-3, C5-6, C7-2
03-0, 04-3, 03-0, 07-2
n 19-T40 tender award
sociated with remaining work under Tender 19-T40 and other committed
administration fees.

			roject Miles		
Phase	Milestone	Project Start Year	Project Completion Year	Status	
C9	Administration & Multiuse Building Design and Construction Administration	2020	2021	In Progress	Refer to Project Schedule for Addition
C3	19-T40 - Noise Barrier Wall Construction	2020	2020	In Progress	Refer to Project Schedule for Addition
C5	19-T40 - Salt Storage Facility Construction	2020	2020	In Progress	Refer to Project Schedule for Addition
C2/C4	19-T40 - Construction of MW Yard Site Servicing and Grading	2019	2020	In Progress	Refer to Project Schedule for Addition
C7	19-T40 - Utility Compound and Standby Power System Construction	2019	2020	Complete	Utility Compound and standby power s

Comments

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er system construction substantially complete.

		2020 Project Schedule								
		As of September 30	, 2020							
Phase	Project Component	Scope of Work	Proposed Start Date	Proposed Completion Date						
		Install Natural Gas Main	April, 2020 (Q2)	September, 2020 (Q3)	Installat					
C2/C4	Site Servicing and Grading	Excavate existing road base and reinstate with new granular material.	October, 2020 (Q4)	December, 2020 (Q4)	Phase I works					
		Revise grading plan in area of utility compound and noise barrier wall.	January, 2020 (Q1)	March, 2020 (Q1)	Revised comple					
		Review and Approval of Shop Drawings	April, 2020 (Q2)	November, 2020 (Q4)	Review					
		Excavation for Strip Footing Foundation	July, 2020 (Q3)	December, 2020 (Q4)	Excava 2020 (w					
C3	Construct Noise Attenuation Wall	Construct Strip Footing Foundation	July, 2020 (Q3)	December, 2020 (Q4)	Constru Novemt					
00		Construct Noise Attenuation Wall	October, 2020 (Q4)	May, 2021 (Q2)	Installat supplier in cold v construe					
		Install Gate System	October, 2020 (Q4)	January, 2021 (Q1)	Gate in measur product					
		Review of Shop Drawings	January, 2020 (Q1)	March, 2020 (Q1)	Shop dr					
		Demolition of Existing Salt Sheds and Equipment Storage Building	April, 2020 (Q2)	June, 2020 (Q2)	Demolit complet					
		Foundation Excavation	April, 2020 (Q2)	June, 2020 (Q2)	Founda					
05	Construct Salt Storage Facility	Construction of Engineered Fill Foundation	April, 2020 (Q2)	June, 2020 (Q2)	Constru					
C5		Construction of Salt Storage Facility Foundation Walls and Footings	July, 2020 (Q3)	September, 2020 (Q3)	Constru comple					
		Construct Pre-Engineered Fabric Covered Building	October, 2020 (Q4)	December, 2020 (Q4)	Constru					
		Interior Works - Electrical, Mechanical	October, 2020 (Q4)	December, 2020 (Q4)	Interior					
		Final Grading Works and Paving of Interior & Exterior	September, 2020 (Q3)	September, 2020 (Q3)	Final gra					
		Review and Approval of Shop Drawings	January, 2020 (Q1)	March, 2020 (Q1)	Shop dr order (a precast					
		Complete grading works surrounding utility compound area	April, 2020 (Q2)	June, 2020 (Q2)	Grading					
C7	Construct Utility Compound	Construct concrete pads for utility buildings and standby power system	April, 2020 (Q2)	June, 2020 (Q2)	Comple					
		Install precast utility buildings	July, 2020 (Q3)	September, 2020 (Q3)	Installat					
		Install standby power system	July, 2020 (Q3)	September, 2020 (Q3)	Installat					
		Complete electrical and mechanical works for utility buildings and standby power system	July, 2020 (Q3)	September, 2020 (Q3)	Electrica					
		Install fence surrounding utility compound	October, 2020 (Q4)	December, 2020 (Q4)	Schedu complet					
		Prepare RFP for Design & Construction Administration	January, 2020 (Q1)	September, 2020 (Q3)	Prepara					
		Issue RFP	October, 2020 (Q4)	December, 2020 (Q4)	RFP to Terms of					
		Predesign Phase - Administration & Multiuse Buildings	January, 2021 (Q1)	March, 2021 (Q1)						
		Schematic Design Phase - Administration & Multiuse Buildings	March, 2021 (Q1)	May, 2021 (Q2)						
		Detailed Design Phase - Administration Building	May, 2021 (Q2)	October, 2021 (Q4)						
C9	Design & Construction Administration of the Administration & Multiuse Building	Contract Preparation & Tendering Phase - Administration Building								
		Detailed Design Phase - Multiuse Building			Time					
		Construction of Administration Building			_ update					
		Contract Preparation & Tendering Phase - Multiuse Building								
		Construction of Multiuse Building								

Comments

ation of gas main complete.

e I Site Grading partially complete; remaining site grading

ed grading plan in area of proposed noise barrier wall lete.

w of shop drawings in progress.

vation for strip footing foundation scheduled for November, (weather permitting).

ruction of strip footing foundation scheduled for

mber/December 2020 (weather permitting).

lation of NBW delayed as a result of production delays at ier as well as significant lead time. In order to avoid installation d weather, noise attenuation wall is scheduled to be ructed in Spring, 2021 (Q2).

installation scheduled for January 2021; shop drawings and urements finalized and gate system has been put into ction at supplier.

drawing review complete.

lition of existing salt sheds and equipment storage building is lete.

dation Excavation complete

ruction of Engineered Fill Foundation complete

ruction of Salt Storage Facility Foundation Walls and Footings lete

ruction of Pre-Engineered Fabric Covered Building complete.

or works in progress.

grading works complete.

drawing review for standby power system complete; unit is on (approximate lead time is 26 weeks). Shop drawing review for st concrete utility buildings complete.

ng Works surrounding utility compound complete.

lete.

ation of precast utility buildings complete. ation of standby power system complete.

ical and mechanical works for utility compound complete.

duled for Q4 (October - December, 2020), following the letion of all works within the utility compound. aration of RFP complete.

o be issued in October, 2020 (Q4) following a review of the s of Reference by Council.

nelines and schedule for detailed design and tendering to be ated following the completion of the geotechnical investigation and predesign phase of the project.

					Pro	oject Changes			
		T			As of	f September 30, 2020		T	1
Project Phase	Project Component	Change No.	Change Description	Change Type	Impact Type	Impact Description	Year	Status	
N/A	Proposed Stores Building Module	NA-1	The construction of a new Stores building module was removed from the scope of work in the MW Yard Redevelopment Plan, as the need to maintain stocks of various materials and supplies to be consumed by Municipal departments has been minimized and the building is no longer required.	Scope		The removal of the Stores building module resulted in a cost savings of \$2,100,000. Funds allocated to the design/construction of the Stores module are allocated to other components of the MW Yard Redevelopment project to offset any budget overages incurred in other phases.	2018	Complete	
		C2-1	Site Servicing and grading requirements were not identified as separate component in the 2016 AECOM Report. In order to ensure the successful redevelopment of the MW Yard, the servicing, grading and phasing of the individual components of the project must be designed and constructed as an interconnected system rather than independent services.	Scope	Budget	In 2017 a budget submission sheet was prepared and approved for Site Servicing and Grading of the Municipal Works Yard.	2017	Complete	
C2	Site Servicing and Grading	C2-2	The Site Servicing and Grading Plan included a four (4) phase plan for the redevelopment of the Municipal Works Yard, including temporary grading and servicing requirements throughout the duration of the project. Following the completion of the Site Servicing and Grading Plan, it was determined that approximately 50% of regrading and 80% of the construction of site services (watermain, storm sewer, sanitary sewer, gas main, communications, etc.) within the MW Yard should be completed as part of Phase I. Accordingly, Site Servicing Grading works (Phase I of III) were included as part of tender 19-T40; tender values exceeded the annual budget amount allocated to Phase C2.	Scope	Budget	Tender 19-T40 was submitted for review and approval to Council	2019	Complete	Council appr I Site Servici
		C2-3	The Proposal for Phase I Redevelopment of the Municipal Works Yard and Site Servicing and Grading Plan did not include a component for support during construction. The Consultant was retained to complete site reviews, review proposed design changes and provide clarification (when required).	Cost	Scope	The Consultant that prepared the Site Servicing and Grading Plan and Phase I Redevelopment of the MW Yard was retained to provide support during the construction phase of the project.	2020	Complete	
		C3-1	Noise attenuation measures were not considered as part of the 2016 AECOM Report. Concerns were raised regarding the location of the Municipal Works Yard (zoned Residential) and impacts to neighborhood.	Scope	Budget	In 2017 a budget submission sheet was prepared and approved for Environmental Remediation within the Municipal Works Yard.	2017	Complete	An RFP for t P05) was pre
		C3-2	The Noise Impact Assessment completed in 2017 determined that a 3.0m attenuation fence along sections of the MW Yard perimeter would be required to meet the Ministry of Environment, Conservation and Parks standards for noise abatement.			Costs associated with the design and construction of a noise attenuation fence were not considered in the 2016 AECOM Report and estimate.	2017	Complete	
					Budget				
C3	Environmental Remediation	C3-3	A detailed geotechnical investigation of project area location(s) of the proposed noise attenuation fence was completed to determine if additional foundation requirements for the noise attenuation	Scope	Design	The results of the geotechnical investigation concluded that specialized foundation requirements would be necessary to ensure the structural stability of the proposed noise barrier wall (NBW).	2018	Complete	The consulta retained to c
	Remodiation		if additional foundation requirements for the noise attenuation fence would necessary.		Budget	Reinforced foundation requirements were not included in the original scope of work for the NBW. In additional the cost of construction for the NBW would increase significantly with the addition of the specialized foundation.			foundation.
		C3-4	Detailed Design of Noise Attenuation Fence	Scope	Budget	A consultant was retained to complete the detailed design of the noise attenuation wall.	2018	Complete	
		C3-5	Excavation along the northern limits of the MW Yard uncovered a significant amount of landfill and contaminated material that required removal.	Cost		The landfill material encountered was transported the City Landfill on Vincent Massey Drive; the tipping fees associated with bringing the material to the Landfill were not budgeted for or taken into consideration in early phases of the MW Yard Redevelopment project.	2018	Complete	The removal material enc associated c determine th City Landfill. the material

Year	Status	Additional Comments
2018	Complete	
2017	Complete	
2019	Complete	Council approved the tender amount for the construction of Phase I Site Servicing and Grading of the MW Yard.
2020	Complete	
2017	Complete	An RFP for the completion of a Noise Impact Assessment (17- P05) was prepared in 2017.
2017	Complete	
2018	Complete	The consultant retained for the design of the NBW was also retained to complete the detailed design of the proposed foundation.
2018	Complete	
2018	Complete	The removal and disposal of Landfill material and contaminated material encountered during excavation results in a number associated costs. Contaminated material must be tested to determine the levels of contaminants prior to being accepted at the City Landfill. In addition, there are costs associated with hauling the material to the landfill, as well as tipping fees.

		Project Changes									
				1	As o	f September 30, 2020		1			
Project Phase	Project Component	Change No.	Change Description	Change Type	Impact Type	Impact Description	Year	Status			
		C3-6	Additional funds for the construction of the noise attenuation fence were requested for construction following the completion of the detailed design and comprehensive estimate for the proposed noise attenuation wall.	Cost	Budget	Council approved the 2019 budget submission for Noise Remediation within the Municipal Works yard.	2019	Complete			
C3	Environmental Remediation	C3-7	Additional landfill material was encountered during excavation for the construction of the proposed Twelfth St. Parking Lot. Contaminated material was also found during excavation for the construction of the watermain; all contaminated and landfill material was transported to the City Landfill.	Cost	Budget	The landfill material encountered was transported the City Landfill on Vincent Massey Drive; the tipping fees associated with bringing the material to the Landfill were not included in annual budget submissions.	2019	Complete			
	(Continued)	C3-8	Following the completion of the multi-phase grading plan within the Municipal Works Yard, it was noted that due to the significant changes in elevation in the south west quadrant of the Yard, it would be necessary to update the noise impact assessment previously completed in 2017.	Scope	Design	The Consultant that completed the Noise Impact Assessment in 2017 was retained to update the study in order to determine if changes to the proposed noise barrier wall (NBW) and foundation would be required. Following the completion of the Noise Impact Assessment Update, it was determined that the height of the proposed NBW could be reduced in multiple sections, resulting in an overall cost savings during construction.	2020	Complete			
		C4-1	Interim measures and the decommissioning of the section of Ontario St. that extended through the MW Yard was not identified as separate component in the 2016 AECOM Report.		Budget	In 2017 a budget submission sheet was prepared and approved for Site Reconfiguration works within the MW Yard.	2017	Complete			
C4	Site Reconfiguration	C4-2	Works associated with the reconfiguration of the site were included as part of Tender 19-T40; tender values exceeded the annual budget amounts allocated to Phase C4.	Cost	Budget	Tender 19-T40 was submitted for review and approval to Council in 2019.	2019	Complete			
		C4-3	Interim measures (temporary fencing) required long the perimeter of the Municipal Works Yard in order to ensure that the property is secure throughout the duration of construction.	Schedule	Budget	Costs associated with temporary fencing/security measures for the MW Yard were not included in tender documents for construction.	2020	In Progres			
		C5-1	Complete additional geotechnical investigation to verify soil conditions in the area	Schedule	Budget	The results of the initial geotechnical investigation completed as part of the design of the salt storage facility concluded that due to poor soil conditions, a specialized building foundation would be required. An independent geotechnical engineering consulting firm was retained to complete additional testing within the project area and to provide options for the proposed foundation design of the structure. The additional geotechnical investigation was not included in the original project scope.	2018	Complete			
		C5-2	Determine preferred foundation design option based on summary of options presented by the geotechnical consultant	Scope	Budget	A specialized foundation was not included in the budget for the salt storage facility and impacts both design and construction costs.	2019	Complete			
C5	Salt Storage Facility				Design	A redesign of the salt storage facility and foundation was completed by the consultant and a detailed cost estimate was prepared.	2019	Complete			
		C5-3	Request additional funding as part of 2019 budget for salt storage facility construction	Cost	Budget	Council approved the 2019 budget submission for additional funding for the construction of the salt storage facility.	2019	Complete			
		C5-4	Complete a peer review of foundation design	Schedule	Time	An independent consultant was retained to complete a peer review of the structural design of the salt storage facility and to identify any possible changes or opportunities for cost savings. The time required to complete the peer review delayed issuing the tender.	2019	Complete			
		C5-5	19-T40 - Salt Storage Facility Construction tender values exceeded the annual budget amount(s) allocated to Phase C5 for the work.	Cost	Budget	Tender 19-T40, which included the construction of the salt storage facility, was submitted for review and approval to Council in 2019.	2019	Complete			

IS	Additional Comments
ete	
ete	
ete	
ete	
ete	Council approved the tender amount for the construction of site reconfiguration works included in tender 19-T40.
ess	Temporary fencing will be required until the noise attenuation wall is constructed.
ete	
ete	As part of the review process, the City considered alternative locations for the proposed salt storage facility. However, the MW Yard is located in a centralized area within the City and it was determined that current location is preferred for the proposed building.
ete	
ete	
ete	The peer review concluded that the proposed design met minimum standards and was the best option available to the City.
ete	Council approved the tender amount for the construction of the salt storage facility

					Pr	oject Changes		
				[As o	f September 30, 2020	[1
Project Phase	Project Component	Change No.	Change Description	Change Type	Impact Type	Impact Description	Year	Status
C5	Salt Storage Facility (Continued)	C5-6	Complete Site Reviews and Materials Testing/Inspection for the Salt Storage Facility and Phase I works.	Cost	Budget	The geotechnical consulting firm retained for the foundation design of the salt storage facility (Morey Associates or MA) has been retained to complete geotechnical reviews/site inspections throughout the duration of construction to ensure that the intention of the design is met. In addition, if soil conditions vary throughout the site, MA will be responsible for providing recommendations and revising the design of the specialized foundation in order to ensure the overall success of the project. Due to the overall complexity of the project, it is crucial that the geotechnical consulting firm on site throughout the construction phase of the project is the same firm that completed the detailed design. Morey Associates will also be responsible for the completion of all Materials Testing (concrete, sieve analysis, environmental testing, etc.) throughout the duration of construction. It is essential that Morey Associates complete all materials testing services within the project area in order to ensure consistency throughout the project and minimize the likelihood of any oversights/issues occurring as a result of having multiple geotechnical consulting firms within a single construction site.	2020	In Progre
C6	Utility Relocations	C6-1	Utility relocation requirements were not identified as separate component in the 2016 AECOM Report. A significant number of utility relocations are required throughout the various phases of the MW Yard Redevelopment project. An overhead transmission line runs through the MW Yard adjacent to the former Ontario St. which requires relocation as part of the redevelopment project. In addition, there was also buried infrastructure owned by utilities that will require removal/relocation throughout the various phases of construction.	Scope	Budget	Funding for utility relocations were submitted as part of the 2018 budget.	2017	In Progre
		C7-1	The design and installation of an independent standby power system was not identified in the 2016 AECOM Report. Following a review of the current standby power options in place and future requirements it was determined that it would be in the best interest of the City to install a standby power system that would service all future buildings within the Municipal Works Yard.	Scope	Budget	Funding for the design of standby power system for the MW Yard was submitted as part of the 2018 budget. Additional funds were allocated for construction as part of the 2019 budget.	2017	Complet
C7	Standby Power System	C7-2	As part of an ongoing review of the contract documents and overall Municipal Works Yard Redevelopment Project it was determined that it would be of benefit to the Corporation to connect the new Standby Power System to the existing Water/Sewer building and Fuelling station in case of power outage in lieu of purchasing an independent generator for the building. In addition, during the course of construction it was determined that modifications to the existing design of the precast buildings would be necessary in order to accommodate proposed equipment and future uses. The Consultant that completed the design of the Standby Power System was retained to complete the design of the modifications.	Scope	Design	A consultant was retained to complete the design modifications within the utility compound.	2020	Complet

IS	Additional Comments
ess	
ress	Council approved the budget submission for Phase I Utility Relocations in 2018.
ete	Council approved budget submission sheets in 2018 and 2019 for the design and construction of the standby power system.
ete	

	Project Risk Register As of June 30, 2020									
Phase	Risk	Impact Description	Impact L/M/H	Probability L/M/H		Mitigation	Responsible	Status & Date Reviewed		
C3	Contaminated Soil and/or Groundwater	If contaminated soil and/or groundwater is encountered it will impact both costs and project timelines during construction.	Н	М	Yes; costs will be incurred in both the design phase (completion of a Phase II Environmental Site Assessment) and the construction phase (removal and disposal costs during construction).	A Phase II Environmental Assessment (EA) will be included as part of future phases of design; the EA will identify the presence and approximate quantity of contaminated material as well as procedures for removal and disposal. However, it will be difficult to anticipate the actual extents of contaminated material until excavation occurs during the construction phase of the project.	Project Manager/Consultant and on-site Project Supervisor	On-going		
C3	Landfill Material	If landfill material is encountered during excavation it will increase the overall project cost and could impact construction timelines.	М	м	Yes; costs will be incurred in both the design phase (completion of a Phase II Environmental Site Assessment) and the construction phase (removal and disposal costs during construction).	A Phase II Environmental Assessment (EA) will be included as part of future phases of design; the EA will identify the presence and approximate quantity of landfill material as well as procedures for removal and disposal. However, it will be difficult to anticipate the actual extents of landfill material until excavation occurs during the construction phase of the project.	Project Manager/Consultant and on-site Project Supervisor	On-going		
C3	Designated Substances	If designated substances are encountered during demolition it will increase the overall project cost and could impact construction timelines.	М	М	Yes; costs will be incurred in both the design phase (completion of a Designated Substance Study) and the construction phase (removal and disposal costs during construction).	A designated substances study will be included as part of future phases of design; the DSS will identify the presence and approximate quantity of designated substances as well as procedures for removal and disposal.	Project Manager/Consultant assigned to each future phase of redevelopment and design.	Not applicable in current phase; to be assessed in future phases.		
Various	Poor Geotechnical Conditions	If poor geotechnical conditions are encountered, project costs will be impacted significantly during both design and construction. Project timelines could also be impacted if the conditions are very poor and additional investigations/reviews are required.	М	н	Yes; costs will be incurred in the design phase if specialized foundation design requirements are required. Construction costs will also increase significantly if specialized foundation requirements are necessary.	A comprehensive geotechnical investigation will be included as part of future phases of design; the investigation will identify the soil conditions in the project area and provide design recommendations and corresponding detailed construction estimates as early as reasonably possible in the design process.	Project Manager/Consultant assigned to each future phase of redevelopment and design.	On-going		
Various	Increased Construction Costs	If construction costs increase, the overall project budget will be impacted.	М	н	Yes; increased construction costs will significantly impact the project budget and could potentially impact the project timelines.	Trends in construction costs will be tracked throughout the duration of the project and Forecast values will be updated accordingly.	Project Manager/Consultant assigned to each future phase of redevelopment and design.	On-going		
Various	Changes to Environmental Regulations and Building Code Requirements	If regulations change, design requirements will be impacted and both project costs and timelines will be impacted.	М	М	Yes; changing regulations will impact design requirements and standards as well as construction costs in situations where regulations become more stringent.	As part of the design phase of future phases of redevelopment the Consultant will be responsible for identifying any changes to regulations/standards.	Project Manager/Consultant assigned to each future phase of redevelopment and design.	Not applicable in current phase; to be assessed in future phases.		

L=Low, M=Medium, H=High

A risk is uncertain events that, if it occurs, has an effect on the project (cost, schedule, scope/quality).

The purpose of risk management is to identify, assess, and control uncertainty - as a result it will improve the ability of the project to succeed.

Risk management begins with **identifying** all the possible risks that could affect the project - the goal is to find potential problems before they happen.

Once risks have been identified they need to be analysed. This consists of rating their potential impact and probability of occurring and assigning them a risk score accordingly.

Actions, risk responses, need to be planned and carried out to mitigate, avoid, or consciously accept identified risks. Risks need to be monitored, re-assessed, and new risks identified throughout the project.

Risk: A description of the risk event

Impact description: A description of what would happen if the risk event happens, what would the impact be on costs, schedule, scope/quality?

Impact L/M/H: If the risk occurs will it have a low, medium, or high impact on the project (cost, schedule, scope/quality)?

Probability L/M/H: How likely to occur is the risk event?

Mitigation: What actions will be taken to mitigate (reduce the potential impact or probability), avoid, or accept the risk?

Responsible: The risk should be assigned to someone to monitor and report on

Status and date reviewed: Whether the risk is still applicable or relevant and the last time the risk was reviewed



The photograph above illustrates the construction of The construction of the standby power system the proposed footings for the salt storage facility. The footings around the perimeter of the building are 4.7m in width and 0.65m in height and are reinforced with rebar throughout. The exposed rebar (as seen above) will tie into the future salt storage facility walls.

included the installation of a concrete pad as a base, as well as bollards surrounding the future generator (for safety reasons). Prior to installing the standby power system, conduits (for the electrical connections) were stubbed up to the top of the concrete pad and all bollards were put in place.

The photograph above shows the installation of the reinforcing steel and forms for the salt storage acility walls.

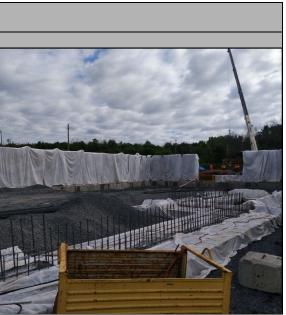
properly.



The photograph above shows the interior of Electrical Building E1, which houses the main electrical distribution panels in the utility compound. The Electrical Building will act as the central source of power for all future buildings in the Municipal Works Yard

During excavation of the area surrounding the salt storage facility for the installation of a new granular base (site grading works) a small amount of landfill material was found and removed.

Following the installation of the fabric covered building for the salt storage facility, the Contractor began the process of installing the wall components buildings within the MW Yard. The photograph and metal cladding for the east and west walls of the building.



The photograph above illustrates the construction of the salt storage facility foundation and walls in progress. The concrete is covered with a membrane, which is kept wet for a minimum of seven days in order to allow the concrete to cure

The generator for the Municipal Works Yard is designed to provide standby power for all future above illustrates just how large the system is; the generator was put in place using a crane.