



CITY OF NIAGARA FALLS Municipal Works 2016 Capital Projects

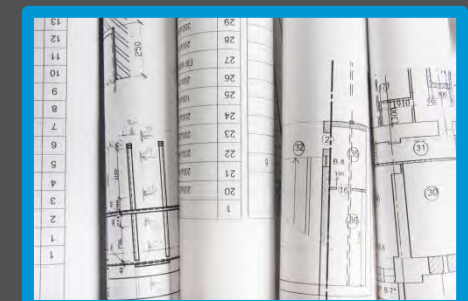


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2016 SURFACE TREATMENT

CONTACT: Nick Golia, Construction Services Supervisor & Drainage Superintendent

(905) 365-7521 ext. 4290

ngolia@niagarafalls.ca



DESCRIPTION: The surface treatment of various road segments throughout the City of Niagara Falls. On roads where an existing surface treatment layer exists, the work generally consists of the placement and compaction of recycled asphalt pavement (RAP) followed by the application of a single layer of surface treatment. On existing gravel or unpaved roads, the work generally consists of grading and leveling the surface of the roadway and the application of a double surface treatment layer. The surface treatment of gravel roads also helps to reduce maintenance costs by eliminating the need for regular maintenance activities including grading, re-shaping and the placement of dust suppressant.

BUDGET: \$1,200,000

SCHEDULE: 2016

Road	From	To
Beechwood Road	Brown Road	McLeod Road
Chippawa Parkway	Oldfield Road	Stanley Avenue
Detenbeck Road	Sodom Road	Willoughby Drive
Lamont Avenue	Main Street	Mundare Crescent
McCredie Road	Carl Road	Willodell Road
Miller Road	Bailey Avenue	Niagara Parkway
Ort Road	Marshall Road	Weaver Road
Second Avenue	Valley Way	McRae Street
Sommerville Road	Willoughby Drive	West to Granular Limit
St. Patrick Avenue	Gore Street	McMicking Street
Stanley Avenue	Marshall Road	South Limit

ASPHALT OVERLAY PHASE 1

CONTACT Nick Golia, Construction Services Supervisor & Drainage Superintendent

(905) 365-7521 ext. 4290

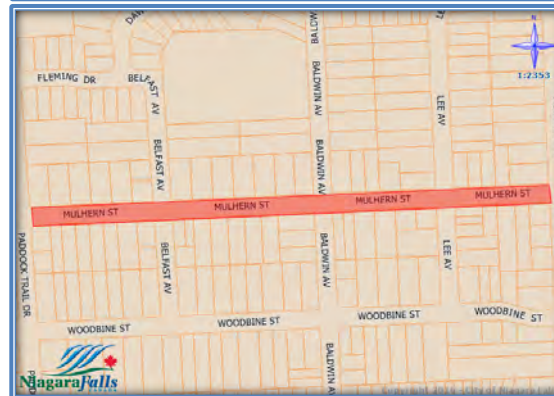
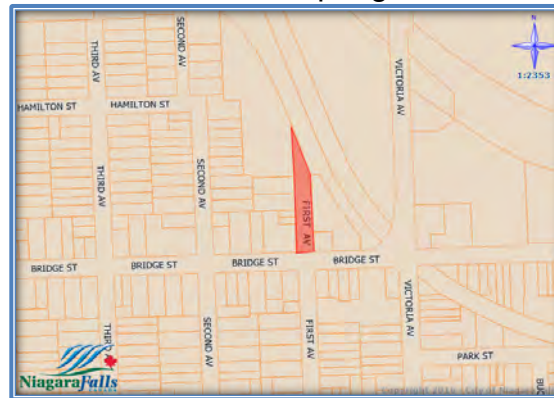
ngolia@niagarafalls.ca



DESCRIPTION: Asphalt overlay on Maple St, First Ave, Baldwin Ave, Mulhern St, McLeod Rd, North St and Forsythe St. Phase 1 of the Asphalt Overlay Program is utilized to provide the placement of the surface course asphalt on previously completed capital projects that have concluded their one-year maintenance period. This program evaluates sections based on structural condition (shape), ride (smoothness), and surface distress (cracking and potholes). The work involved filling-in curb sections at catch basins, adjusting appurtenance to finished grade and the supply and placement of hot mix surface course asphalt.

BUDGET: \$600,000

SCHEDULE: Spring/Summer 2016



BEAVERDAMS ROAD – STORM SEWER & STORM WATER MANAGEMENT POND

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

smillar@niagarafalls.ca



DESCRIPTION: Detailed design of the Beaverdams Road storm sewer and neighbourhood stormwater management pond. The stormwater management pond is proposed to be at the northwest corner of Beaverdams and Kalar Roads and will require the purchase of approximately 1.92 hectares of property. The pond and sewer works will provide the necessary outlet to allow for the separation of combined sewers within the Hodgson Subdivision area which will in turn reduce the risk of basement flooding and overflows to the environment

BUDGET: \$1,656,100 (includes \$100,000 design)

SCHEDULE: 2016

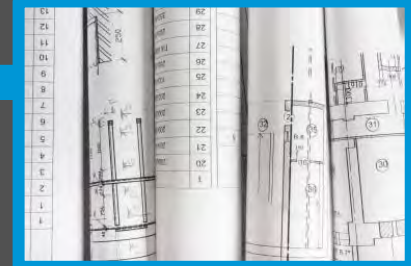


BECK ROAD BRIDGE

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

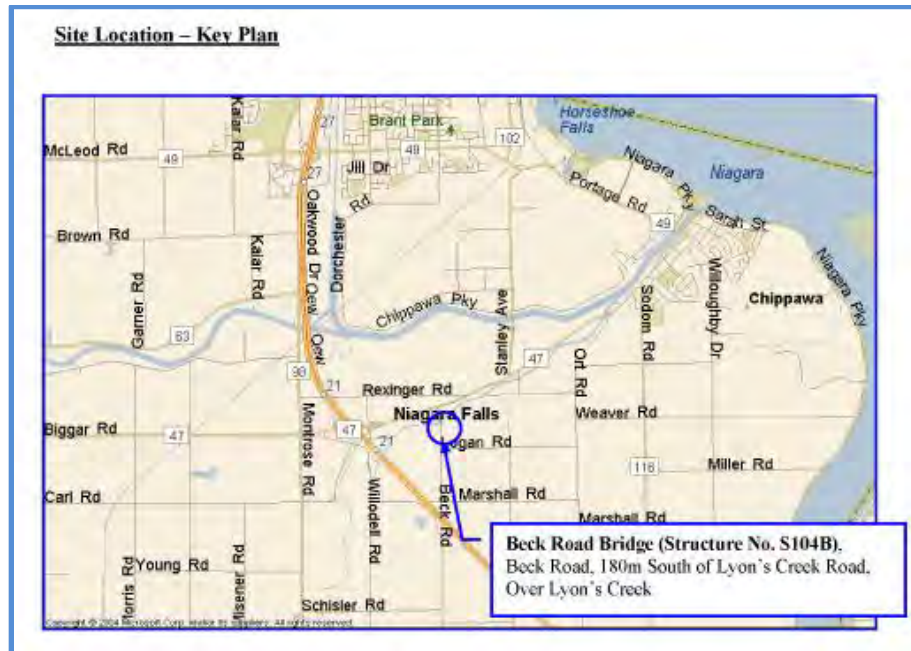
smillar@niagarafalls.ca



DESCRIPTION: Detailed design of bridge replacement. Beck Road Bridge, approximately 32 meters long and 7 meters wide was constructed in 1952 and spans Lyons Creek; it is located approximately 180 meters south of Lyons Creek Road. The existing two lane, three span concrete rigid frame structure is in poor condition and its current use is restricted by a 12 tonne load posting. The new structure will be designed as per the Canadian Bridge Design code and will have a minimum life span of 75 years.

BUDGET: \$40,000

SCHEDULE: 2016



BLACK CREEK MUNICIPAL DRAIN IMPROVEMENT

CONTACT: Nick Golia, Construction Services Supervisor & Drainage Superintendent

(905) 365-7521 ext. 4290

ngolia@niagarafalls.ca



DESCRIPTION: Fort Erie finalizing engineers report with anticipated invoice for 2016. The Town of Fort Erie in accordance with a resolution passed in By-law No. 95-2002 has retained a Drainage Engineer to prepare an Engineer's Report pursuant to section 76 of the Drainage Act. The primary objective of this report was to prepare a new schedule of assessments for future maintenance of the Black Creek Drainage works. As there is properties in the Black Creek Drain watershed within the Municipal boundaries of the City of Niagara Falls staff have played a supporting role to the Town of Fort Erie as they navigate through the Drainage Act process. Maintenance work on the Drain is anticipated to start spring of 2018.

BUDGET: \$3,760

SCHEDULE: Summer/Winter 2016



Photo Credit: Sheri Armstrong

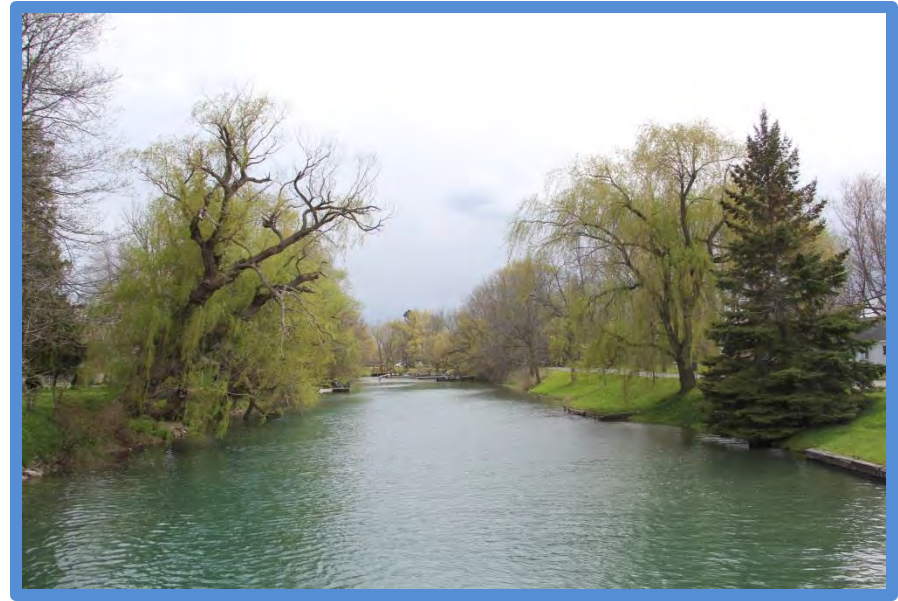


Photo Credit: Sheri Armstrong

BOYERS CREEK MUNICIPAL DRAIN IMPROVEMENT

CONTACT: Nick Golia, Construction Services Supervisor

(905) 365-7521 ext. 4290

ngolia@niagarafalls.ca



DESCRIPTION: Finalize engineers report/ facilitate public open house and appeals process.

BUDGET: \$15,350

SCHEDULE: Spring/Summer 2016



Photo Credit: Sheri Armstrong



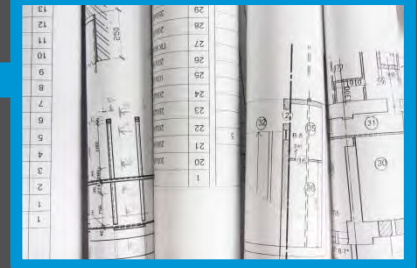
Photo Credit: Sheri Armstrong

BUCHNER PLACE SEWER SEPARATION & PARKING LOT REVIEW

CONTACT: Livia McEachern, P. Eng., Project Manager

(905) 365-7521 ext. 4288

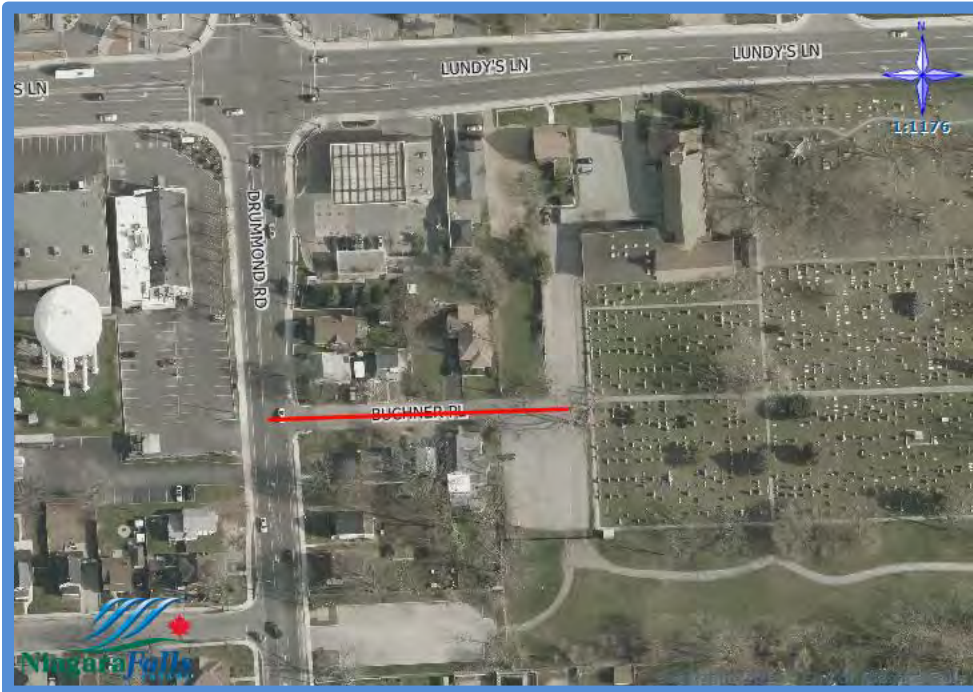
lmceachern@niagarafalls.ca



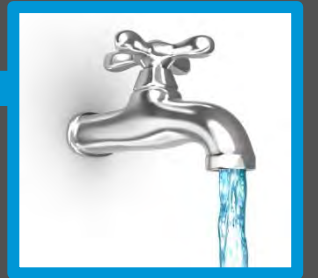
DESCRIPTION: Sewer separation and road reconstruction on Buchner Place from Drummond Road to the east limit. Review and redesign of existing adjacent church/cemetery parking lots and the Holman lot. The consultant for this project is Quartek.

BUDGET: \$100,000

SCHEDULE: February 2016



CAN ENG WATER SERVICE REPLACEMENT



CONTACT: Chris Anders, P. Eng., Project Manager

(905) 365-7521 ext. 6206

canders@niagarafalls.ca

DESCRIPTION: Emergency watermain replacement project. Abandon existing watermain that serviced Can Eng and crossed the QEW to Oakwood Drive North. The QEW crossing is being installed north of the current crossing and a new service is being built for Can Eng.

BUDGET: \$100,000

SCHEDULE: 2016 Construction



CHIPPAWA LOW LIFT PUMP STATION UPGRADES & WET WEATHER STORAGE FACILITY

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

smillar@niagarafalls.ca



DESCRIPTION: Installation of a new combined sewer overflow (CSO) 4300m³ storage tank at South Side Low Lift Pumping Station as a joint project with the Regional Municipality of Niagara. Based on the recommendations of the Chippawa Sewer Flooding Relief Study Environmental Assessment (2010), the objective of this project is to reduce basement flooding by increasing the wet weather flow capacity of the sewer system and minimize discharge to the environment during high flow events. The 2016 budget includes the CSO tank component.

BUDGET: \$2,445,202

SCHEDULE: Spring 2016



To allow for the installation of the new tank, a deep excavation in excess of 10m is required, during which the groundwater is pumped out of the site and into the Regional sewer system. The groundwater at the site has naturally occurring hydrogen sulphide that can be released into the air during construction causing an unpleasant odour.

Public Health indicates that while the odour of hydrogen sulphide even at low concentrations can be a nuisance, the air monitoring results of less than 1 ppm do not pose a health risk to neighbouring residents.

Niagara Region is taking steps to minimize the release of hydrogen sulphide during construction activities. This is done through adding calcium hydroxide to the groundwater to buffer the pH levels and keep the hydrogen sulphide in solution. An air scrubber is installed to treat any airborne hydrogen sulphide before it leaves the site.

Construction related noise should be expected during normal business hours of the contractor, which is generally Monday to Friday from 7 AM to 5 PM. On some occasions the Contractor may need to work on weekends. The Contractor must comply with requirements of the Niagara Falls noise by-law.

CEMETERY ROAD REPAIRS

CONTACT: Mark Richardson, Manager of Cemeteries Services

(905) 356-7521 ext. 5301

mrichardson@niagarafalls.ca



DESCRIPTION: Road conditions at Fairview and Lundy's Lane Cemeteries have been deteriorating for years while only using an interim approach for repairs. In an effort to proactively eliminate road related safety hazards, it is proposed that the City implement a five year plan, beginning in 2016, to identify, repair and/or replace the most hazardous areas.

BUDGET: \$50,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



CEMETERY STORAGE FACILITIES IMPROVEMENTS

CONTACT: Mark Richardson, Manager of Cemeteries Services

(905) 356-7521 ext. 5301

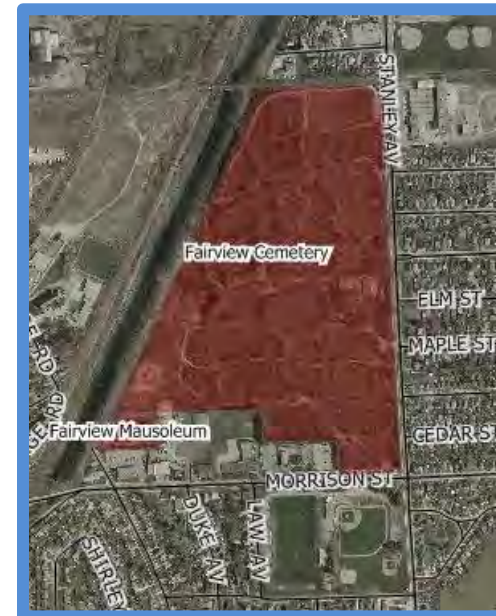
mrichardson@niagarafalls.ca



DESCRIPTION: Cemetery Services and Parks Maintenance utilize a compound area adjacent to the Fairview Garage Facility to store seasonal machines (i.e. kubotas, tractors, trailers and plows, as well as materials including, but not limited to; park/cemetery benches, park/trail/cemetery hoop signs, bollards, and landscaping materials). The area is presently surrounded by old and dilapidated chain link fence and the surface is gravel. The area is regularly overgrown by seasonal grape vine, poison ivy and weeds. By paving the surface and installing a new security/privacy fence, the area will provide more secure and improved storage facilities for Parks, Trails and Cemeteries.

BUDGET: \$150,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



CHIPPAWA LIONS PARK IMPROVEMENTS

CONTACT: Jeff Claydon, Landscape Architect

(905) 365-7521 ext. 3334

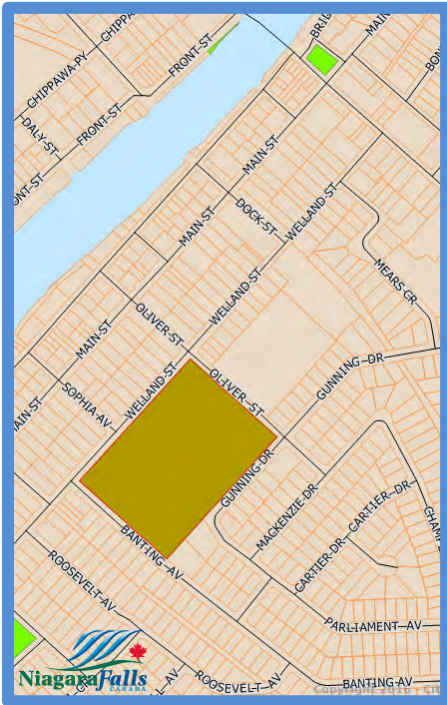
jclaydon@niagarafalls.ca



DESCRIPTION: Additional funds needed, revised scope of work based on recent planned changes to the park tennis court renovations project, wading pool removal, and other park aspects. Chippawa Lions Park is located at 3970 Welland Street.

BUDGET: \$100,000

SCHEDULE: Spring/Summer 2016



CHIPPAWA PARKWAY CULVERT (WEST OF STANLEY AVENUE)

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

smillar@niagarafalls.ca



DESCRIPTION: Rehabilitation of the single span steel multi-plate arch culvert structure crossing under the Chippawa Parkway approximately 650 m west of Stanley Avenue. The culvert conveys flows from an existing watercourse to the Welland River. The gabion basket headwall, constructed circa 1970, has been rotating away from the roadway resulting in reduced lateral support. It will be replaced with a reinforced retaining wall.

BUDGET: \$65,000

SCHEDULE: Design 2016

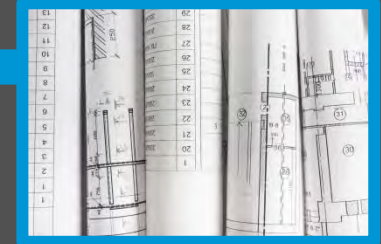


CHIPPAWA WEST PARK DEVELOPMENT

CONTACT: Jeff Claydon, Landscape Architect

(905) 365-7521 ext. 3334

jclaydon@niagarafalls.ca



DESCRIPTION: Development of the new neighbourhood park in the Chippawa West Subdivision. This project includes; an accessible playspace area, pathways, open play areas, seeding, sodding, storm drainage systems, landscaping and other park amenities.

BUDGET: \$33,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



COLBORNE STREET SEWER SEPARATION AND ROAD RECONSTRUCTION

CONTACT: Livia McEachern, P. Eng., Project Manager

(905) 365-7521 ext. 4288

lmceachern@niagarafalls.ca



DESCRIPTION: Multi-element project driven by sewer separation and including; new sanitary sewers, new storm sewers, watermain and road reconstruction. Colborne Street from St. James Avenue to Portage Road.

BUDGET: \$1,558,000

SCHEDULE: 2016 Design and Phase 1 Construction



CROSSWALK IMPROVEMENTS IN THE TOURIST CORE



CONTACT: Nick Golia, Construction Services Supervisor & Drainage Superintendent

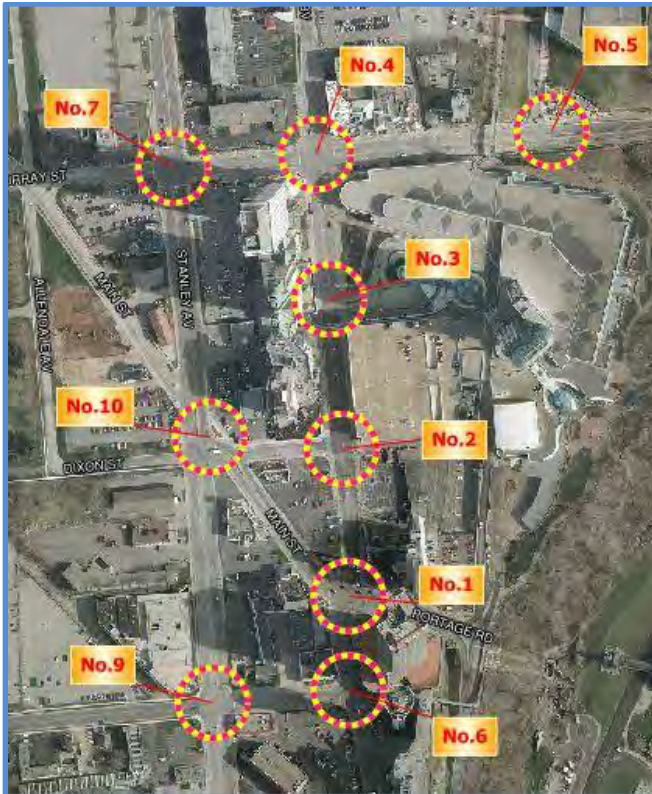
(905) 365-7521 ext. 4290

ngolia@niagarafalls.ca

DESCRIPTION: Reconstruction of pedestrian crosswalks in the tourist core area including decorative finish.

BUDGET: \$300,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016

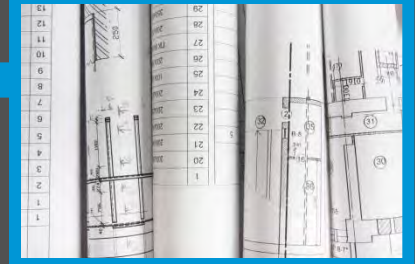


CULP STREET (CARLTON AVE TO CORWIN AVE)

CONTACT: Chris Anders, P. Eng., Project Manager

(905) 365-7521 ext. 6206

canders@niagarafalls.ca



DESCRIPTION: Design of road reconstruction and watermain on Culp Street from Carlton Avenue to Corwin Avenue.

BUDGET: \$100,000

SCHEDULE: 2016



C. W. PALMER PARK FENCING

CONTACT: Marianne Tikky, Manager of Municipal Roadways

(905) 365-1355 ext. 4222

mtikky@niagarafalls.ca



DESCRIPTION: To replace 183 meters (600 feet) of six foot high chain link fence with posts at baseball diamond #3.

BUDGET: \$21,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



CYTEK LANDS & FOURTH AVENUE STORM SYSTEM

CONTACT: Eric Lallouet, C.E.T., Project Manager

(905) 365-7521 ext. 4216

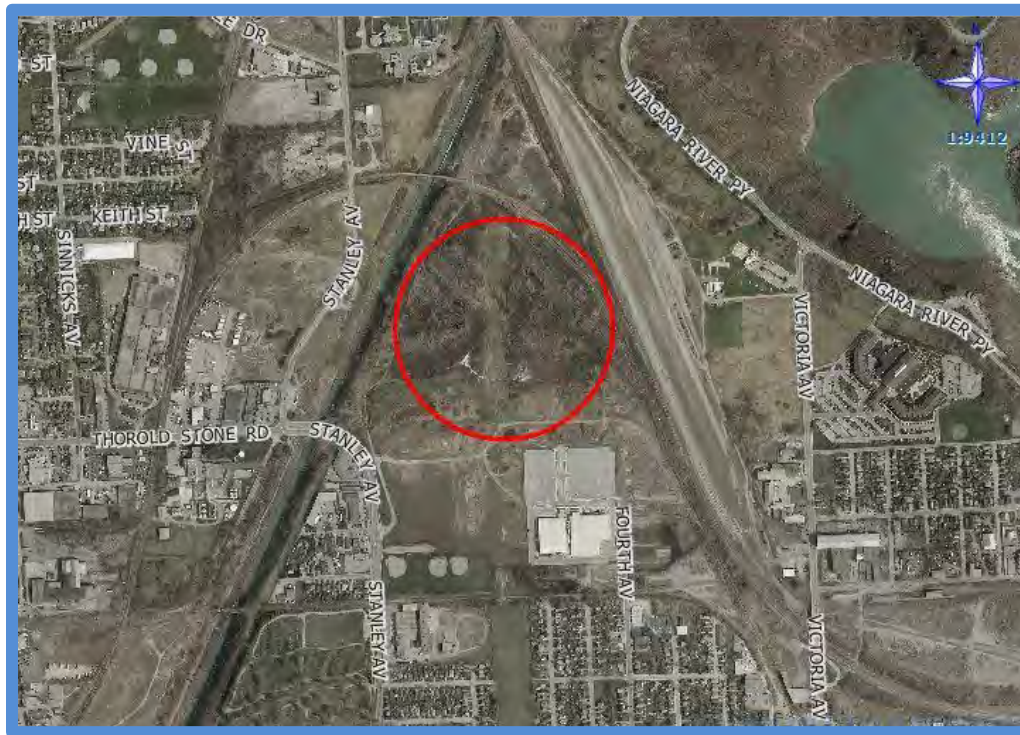
elallouet@niagarafalls.ca



DESCRIPTION: Establish an adequate storm system outlet for Fourth Avenue and Cytek lands located north of Fourth Avenue. The consultant for this project is Quartek Group.

BUDGET: \$180,000

SCHEDULE: 2016



DESSON AVENUE RECONSTRUCTION

CONTACT: Chris Anders, P. Eng., Project Manager

(905) 365-7521 ext. 6206

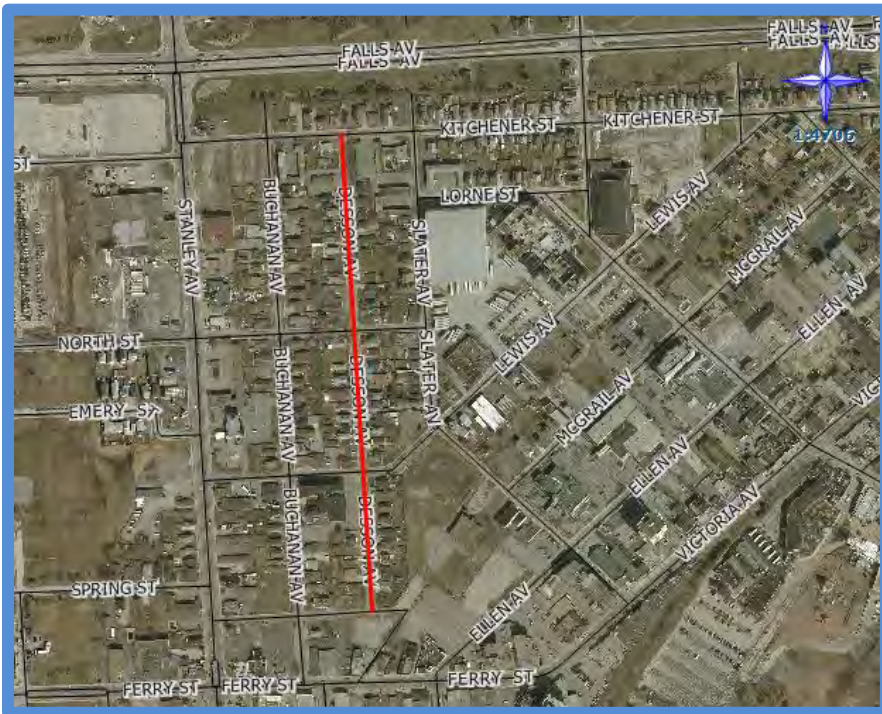
canders@niagarafalls.ca



DESCRIPTION: Full reconstruction including new storm sewers, sanitary sewers, watermains, road, sidewalks and curbs. On Desson Avenue from Kitchener Street to Spring Street.

BUDGET: \$1,906,417

SCHEDULE: 2016

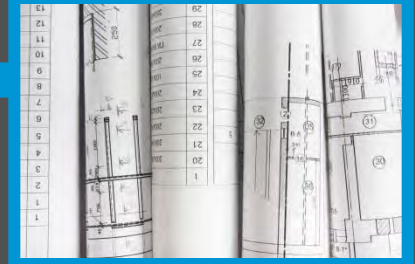


DIXON STREET CUL-DE-SACS

CONTACT: Eric Lallouet, C.E.T., Project Manager

(905) 365-7521 ext. 4216

elallouet@niagarafalls.ca



DESCRIPTION: Design of cul-de-sac construction on Dixon Street and Cleveland Avenue resulting from the sale of lands.

BUDGET: \$75,000

SCHEDULE: Fall 2016



Dixon Street and Allendale Avenue
Photo Credit: Sheri Armstrong

EMERALD ASH BORER

CONTACT: John Morocco, Operations Superintendent

(905) 365-1355 ext. 6511

johnmorocco@niagarafalls.ca



DESCRIPTION: Removal, restoration and replanting of Ash trees impacted by the Emerald Ash Borer. The Emerald Ash Borer is an invading beetle that has killed millions of Ash trees in southern Ontario and the Great Lakes States. It attacks both healthy and stressed Ash trees when its larvae tunnel through the tree's vascular system which delivers water and nutrients through the tree. Once infected the mortality of Ash trees is nearly 100%, and the tree will die within 1 to 4 years of infestation. Infected trees on City boulevards could become dangerous and must be removed for public safety. It will take several years for the City's Forestry Crew to remove all the impacted trees city-wide.

BUDGET: \$275,000

SCHEDULE: Beginning May 2016



FAIRVIEW CEMETERY LUNCHROOM & WASHROOM FACILITIES UPDATES

CONTACT: Mark Richardson, Manager of Cemeteries Services

(905) 356-7521 ext. 5301

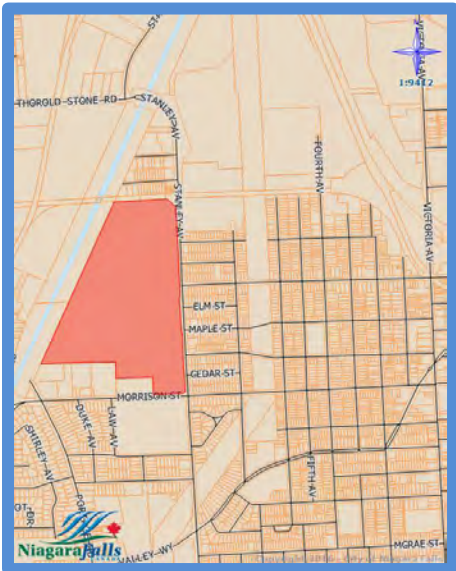
mrichardson@niagarafalls.ca



DESCRIPTION: Fairview facilities are incredibly out of date. In 2015, improvements commenced to improve the accessibility and security of the front entrance and the administrative area. Cemetery and Operations staff presently utilize washroom and lunchroom facilities that have not been updated in over thirty years. Proposed updated will include the development of an updated washroom with an attached locker room (currently part of the lunchroom). It will also see the improvement to the existing lunchroom to include improved cleanliness (i.e. separate locker room), lighting, ventilation (i.e. HVAC), and the provision of a basic kitchen.

BUDGET: \$150,000

SCHEDULE: 2016



FENCE REPLACEMENT PROGRAM – RISK MANAGEMENT

CONTACT: Mark Richardson, Manager of Cemeteries Services

(905) 356-7521 ext. 5301

mrichardson@niagarafalls.ca



DESCRIPTION: Much of the existing fence at the Fairview Cemetery and many pioneer cemeteries are in disrepair, have already fallen, and/or have been deemed a potential safety issue. The proposed fence replacement program will ensure the worst areas (i.e. hazards and fallen sections) are managed in a timely fashion. Proposed replacement beginning in 2016 includes Fairview Cemetery sections on Stanley Avenue and Morrison Street, required fence at Lundy's United, and the old post and wire fences at Willoughby and Dell Cemeteries.

BUDGET: \$92,500

SCHEDULE: May 2016



Photo Credit: Sheri Armstrong



Photo Credit: Sheri Armstrong

FERNWOOD TRAIL DEVELOPMENT PHASE 2

CONTACT: David Antonsen, Landscape Architect

(905) 365-7521 ext. 3335

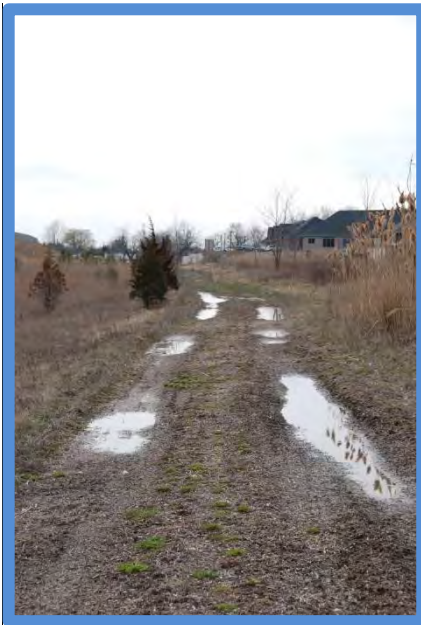
dantonsen@niagarafalls.ca



DESCRIPTION: Implementation of phase 2 of the Fernwood trail along the storm water management pond corridor. Close the existing construction access driveway (at Lundy's Lane) and implement the emergency access laneway.

BUDGET: \$270,000

SCHEDULE: Spring/Summer 2016



FIREMEN'S PARK CLUBHOUSE & LECTURE HALL SITE SERVICE

CONTACT: Nick Golia, Construction Services Supervisor & Drainage Superintendent

(905) 365-7521 ext. 4290

ngolia@niagarafalls.ca



DESCRIPTION: The work involves concrete curb and sidewalk, construction of parking areas including the supply and placement of hot mix asphalt as well as site grading and landscaping. These site works not only service the Clubhouse and Lecture Hall but also service the remaining parkland, Youth Activity Complex and the Leash Free Dog Park.

BUDGET: \$290,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



FLEET SERVICES EQUIPMENT

CONTACT: Rick Zabor, Manager of Fleet Operations

(905) 356-1355 ext. 6517

rzabor@niagarafalls.ca



DESCRIPTION: Equipment replacement.

BUDGET: \$1,029,300

SCHEDULE: January 2016

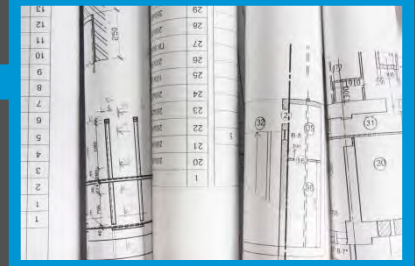


FOURTH AVENUE SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng., Project Manager

(905) 365-7521 ext. 4288

lmceachern@niagarafalls.ca



DESCRIPTION: For the design of sewer separation, watermain replacement and road reconstruction on Fourth Avenue from Morrison Street to Bridge Street. The consultant for this project is Kerry T. Howe Engineering Limited.

BUDGET: \$105,000

SCHEDULE: 2016

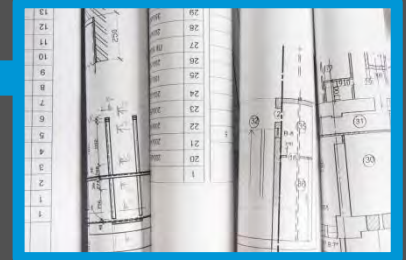


GARNER RECREATIONAL TRAIL

CONTACT: Jeff Claydon, Landscape Architect

(905) 365-7521 ext. 3334

jclaydon@niagarafalls.ca



DESCRIPTION: Design work for the completion of the Garner Recreational Trail development from McGarry Drive to McLeod Road. This trail development will link Warren Woods trail to the Garner Recreational Trail.

BUDGET: \$42,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



GUNNING AND MEARS PUMP STATION

CONTACT: Chris Anders, P. Eng., Project Manager

(905) 365-7521 ext. 6206

canders@niagarafalls.ca



DESCRIPTION: Maintenance repairs to the existing pump station computer controller which is 30 years old. Located on the corner of Gunning Drive and Mears Crescent.

BUDGET: \$25,000

SCHEDULE: 2016

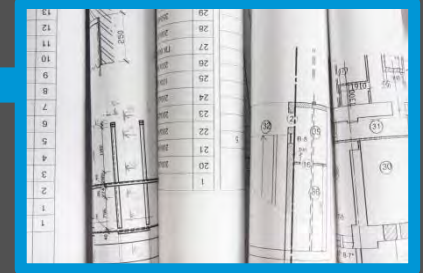


HAMILTON STREET SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng., Project Manager

(905) 365-7521 ext. 4288

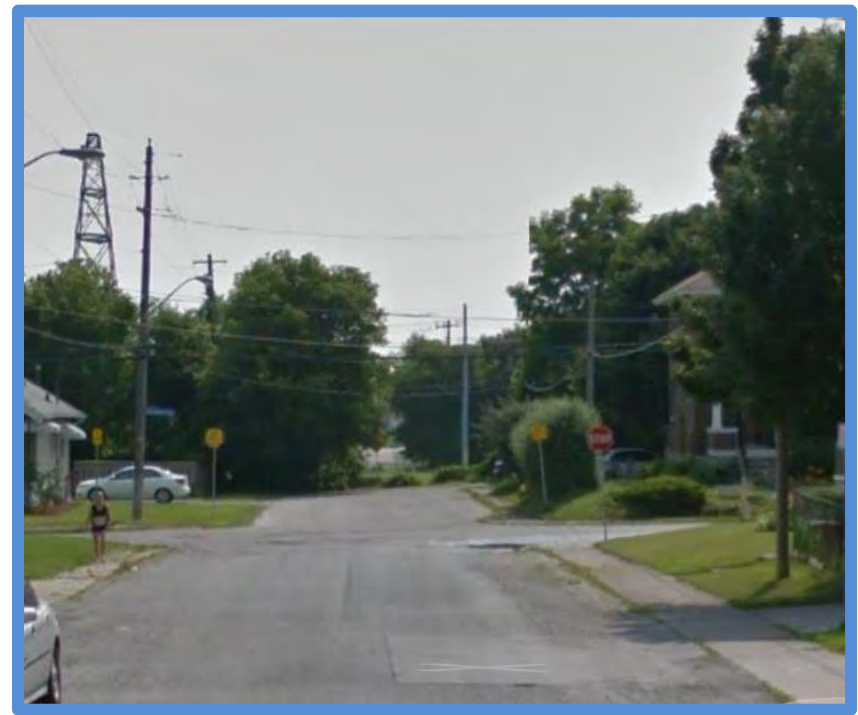
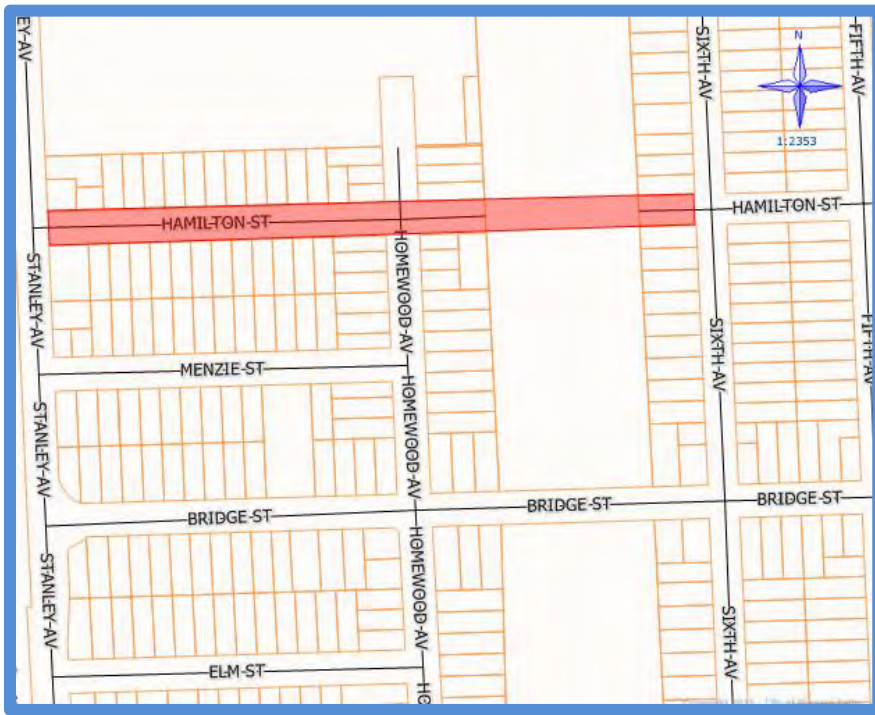
lmceachern@niagarafalls.ca



DESCRIPTION: Engineering design of sewer separation, watermain replacement and road reconstruction on Hamilton Street from Sixth Avenue to Stanley Avenue. Consultant for the design of this project is Kerry T. Howe Engineering Limited.

BUDGET: \$87,000

SCHEDULE: 2016 Design

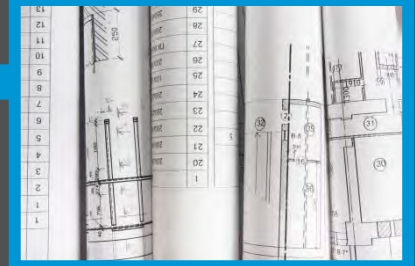


HOMEWOOD AVENUE SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng. Project Manager

(905) 365-7521 ext. 4288

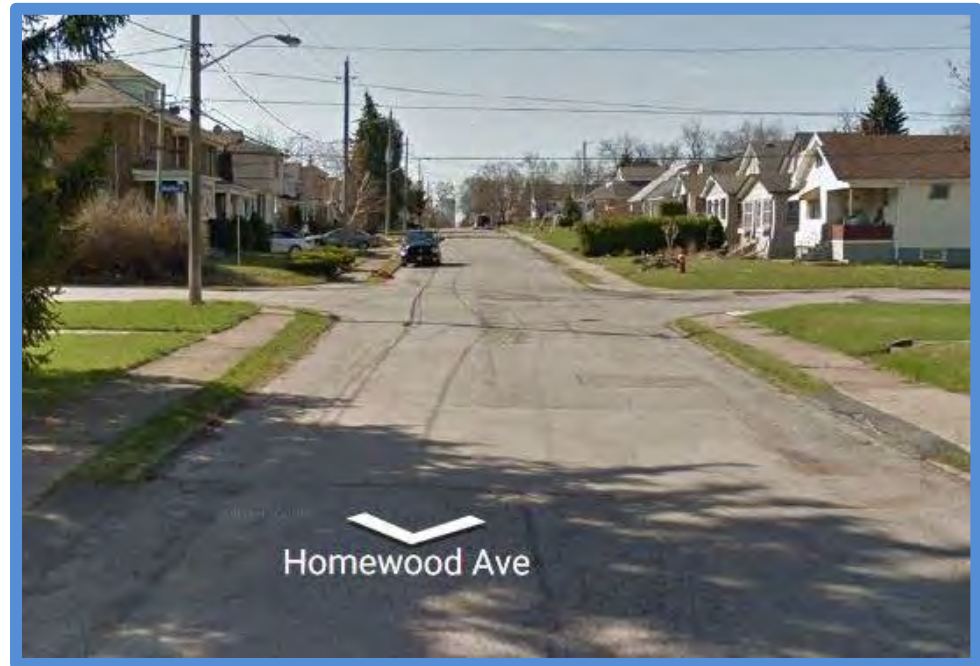
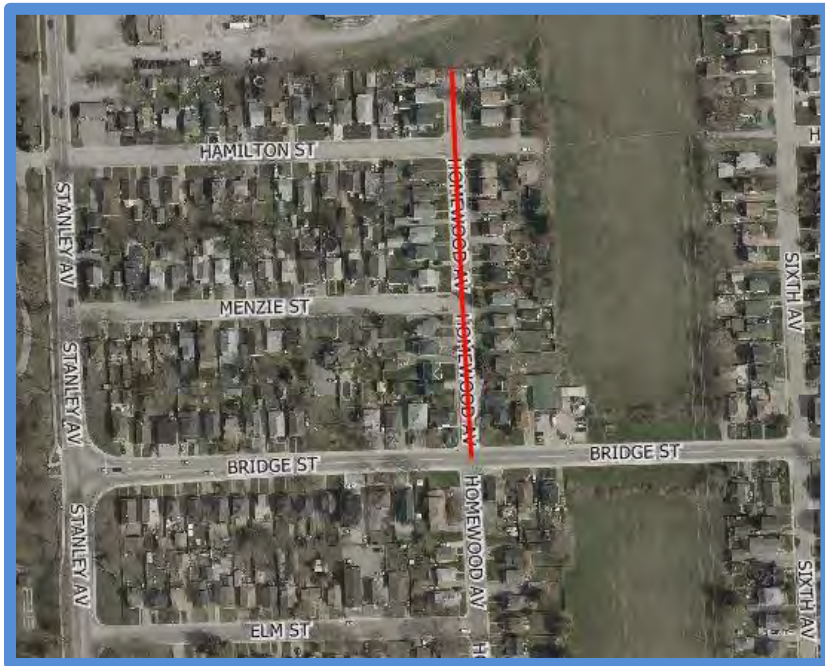
lmceachern@niagarafalls.ca



DESCRIPTION: Engineering design for sewer separation, watermain replacement and road reconstruction on Homewood Avenue from Bridge Street to the North Limit. Consultant for the design of this project is Kerry T. Howe Engineering Limited.

BUDGET: \$55,000

SCHEDULE: 2016 Design



HURON STREET SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng., Project Manager

(905) 365-7521 ext. 4288

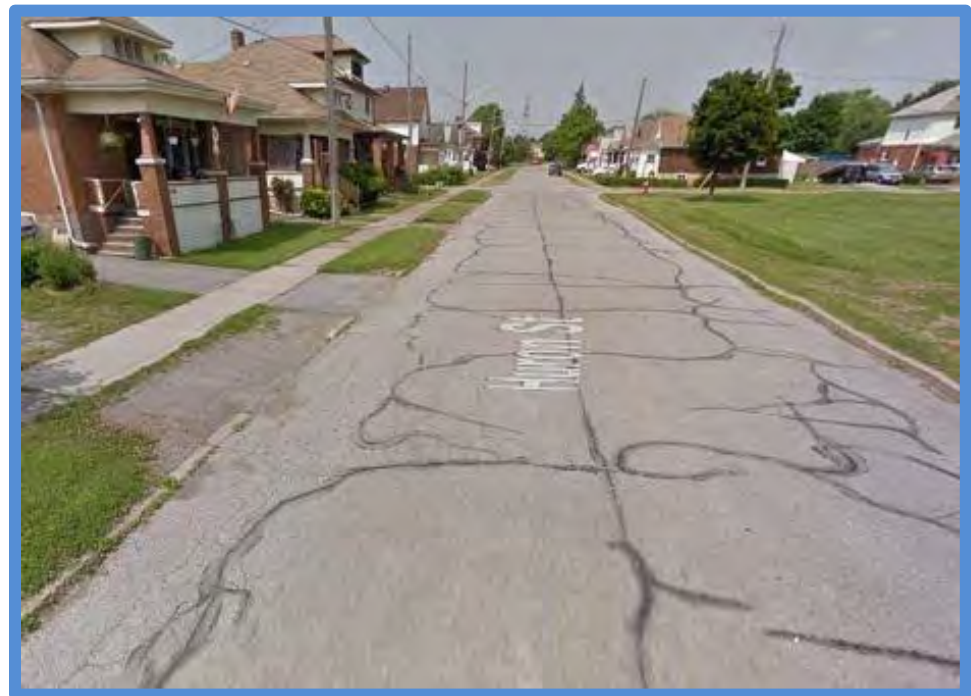
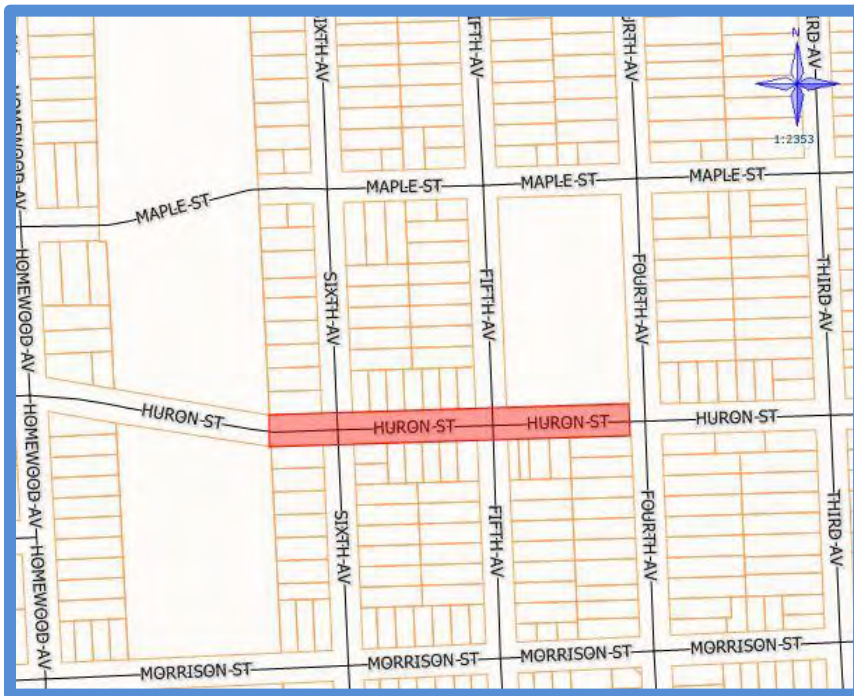
lmceachern@niagarafalls.ca



DESCRIPTION: For the design and construction of sewer separation, watermain replacement and road reconstruction on Huron Street from Fourth Avenue to Sixth Avenue. The consultant for this project is Kerry T. Howe Engineering Limited.

BUDGET: \$900,000

SCHEDULE: 2016 Design, Construction TBD

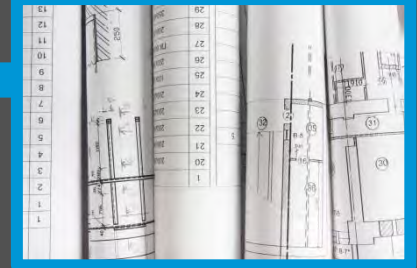


KALAR PARK PARKING LOT

CONTACT: Eric Lallouet, C.E.T., Project Manager

(905) 365-7521 ext. 4216

elallouet@niagarafalls.ca



DESCRIPTION: To complete the design for asphalt paving of the gravel parking lots at Kalar Park for soccer park use. Also included in the design are storm drainage services, line painting for parking spaces, curbing and other site works.

BUDGET: \$80,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



KALAR ROAD - HYDRO CORRIDOR TO BROWN ROAD

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

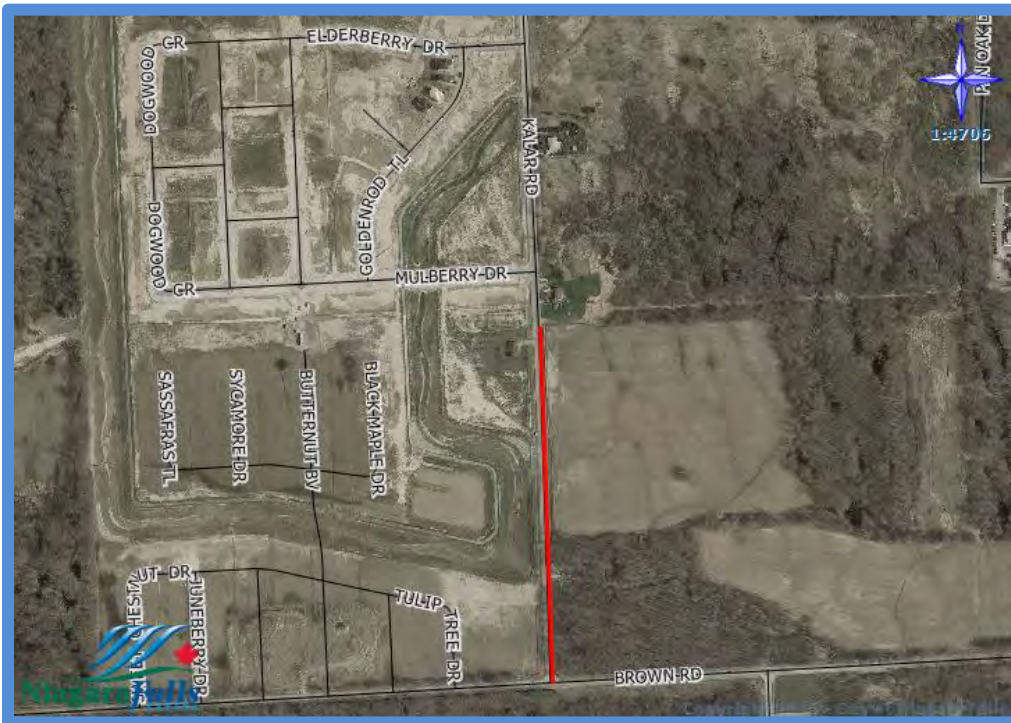
smillar@niagarafalls.ca



DESCRIPTION: Storm sewer and full road reconstruction. Identified in the Development Charges Background Study (2014), this length of Kalar Road will be upgraded to service new developments in the area.

BUDGET: \$628,000

SCHEDULE: Construction 2016

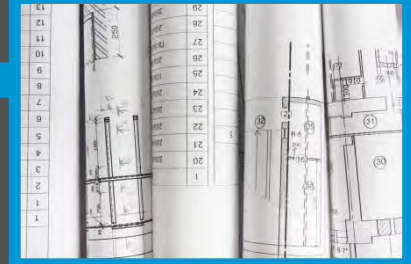


KITCHENER STREET SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng. Project Manager

(905) 365-7521 ext. 4288

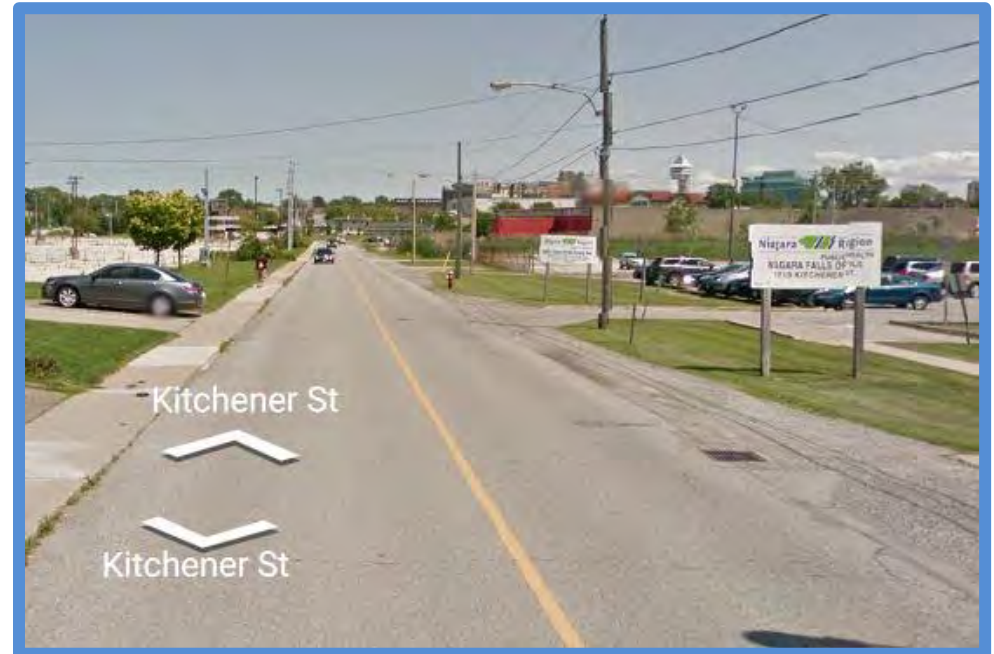
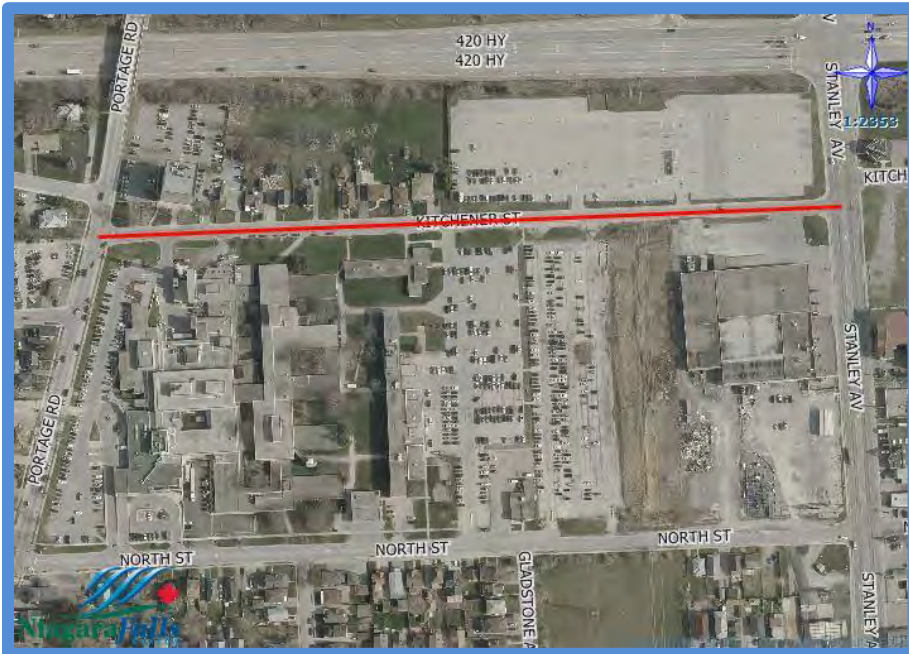
lmceachern@niagarafalls.ca



DESCRIPTION: Sewer separation, watermain replacement and road reconstruction on Kitchener Street, from Portage Road to Stanley Avenue. This portion of the budget is to complete the design, utility relocations and property purchases required for the project. The consultant for the design of this project is Associated Engineering.

BUDGET: \$70,000

SCHEDULE: March 2016



LEVEL AVENUE (DIXON STREET TO DUNN STREET)

CONTACT: Eric Lallouet, C.E.T., Project Manager

(905) 365-7521 ext. 4216

elallouet@niagarafalls.ca



DESCRIPTION: Sewer separation and road reconstruction.

BUDGET: \$1,500,000

SCHEDULE: Construction 2016

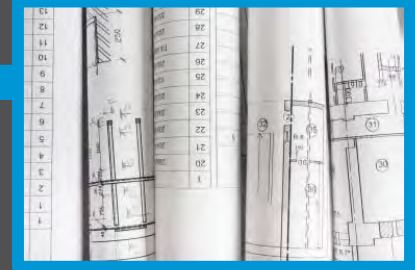


LUNDY'S LANE BATTLEFIELD SITE DEVELOPMENT

CONTACT: Jeff Claydon, Landscape Architect

(905) 365-7521 ext. 3334

jclaydon@niagarafalls.ca



DESCRIPTION: Planning and design for the next stage of the site development which is the Battlefield School greenspace as well as various interpretive site amenities and landscape work. The Battlefield site development involves multiple year, multi-stage development of the Battlefield Masterplan.

BUDGET: \$65,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016

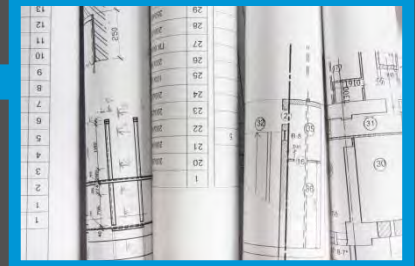


MENZIE STREET SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng. Project Manager

(905) 365-7521 ext. 4288

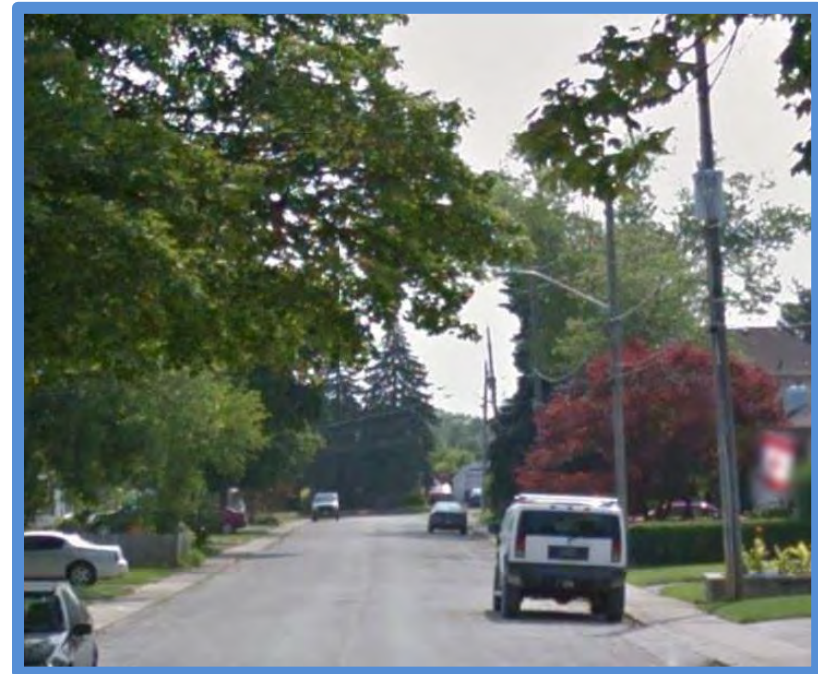
lmceachern@niagarafalls.ca



DESCRIPTION: Engineering design for sewer separation, watermain replacement and road reconstruction on Menzie Street from Homewood Avenue to Stanley Avenue. Consultant for the design of this project is Kerry T. Howe Engineering Limited.

BUDGET: \$60,000

SCHEDULE: 2016 Design



M. F. KER PARK FENCING

CONTACT: Marianne Tikky, Manager of Municipal Roadways

(905) 365-1355 ext. 4222

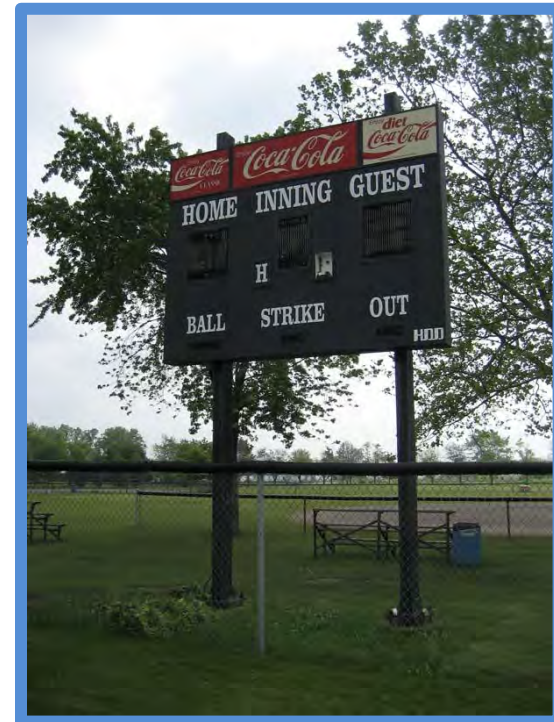
mtikky@niagarafalls.ca



DESCRIPTION: Reskinning of four backstops with chain link. Posts are in good condition and will be repainted by staff.

BUDGET: \$21,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



MILLENNIUM RECREATIONAL TRAIL SECTION 3 – NIAGARA FALLS LIONS LEGACY PATHWAY

CONTACT: Jeff Claydon, Landscape Architect

(905) 365-7521 ext. 3334

jclaydon@niagarafalls.ca



DESCRIPTION: Additional funds needed to complete remaining trail works; signage, landscaping, furnishings as well as the design and planning for the Whirlpool Road linkage for the trail.

BUDGET: \$30,000

SCHEDULE: summer/fall 2016



Photo Credit: Sheri Armstrong



MILLENNIUM RECREATIONAL TRAIL SECTION 6 – LUNDY'S LANE TO ROYAL MANOR DRIVE

CONTACT: Nick Golia, Construction Services Supervisor & Drainage Superintendent

(905) 365-7521 ext. 4290

ngolia@niagarafalls.ca



DESCRIPTION: The completion of the Millennium Trail Section 6 is essential to connect current sections of the trail and provide an active transportation corridor to link the south end to the north end of the City. Providing a series of connected trails is vital to create a safe route for cyclists and recreational walkers and runners.

BUDGET: \$615,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



Photo Credit: Sheri Armstrong

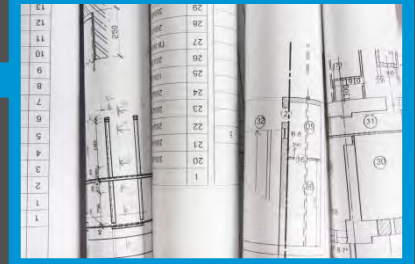


NORTH STREET SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng. Project Manager

(905) 365-7521 ext. 4288

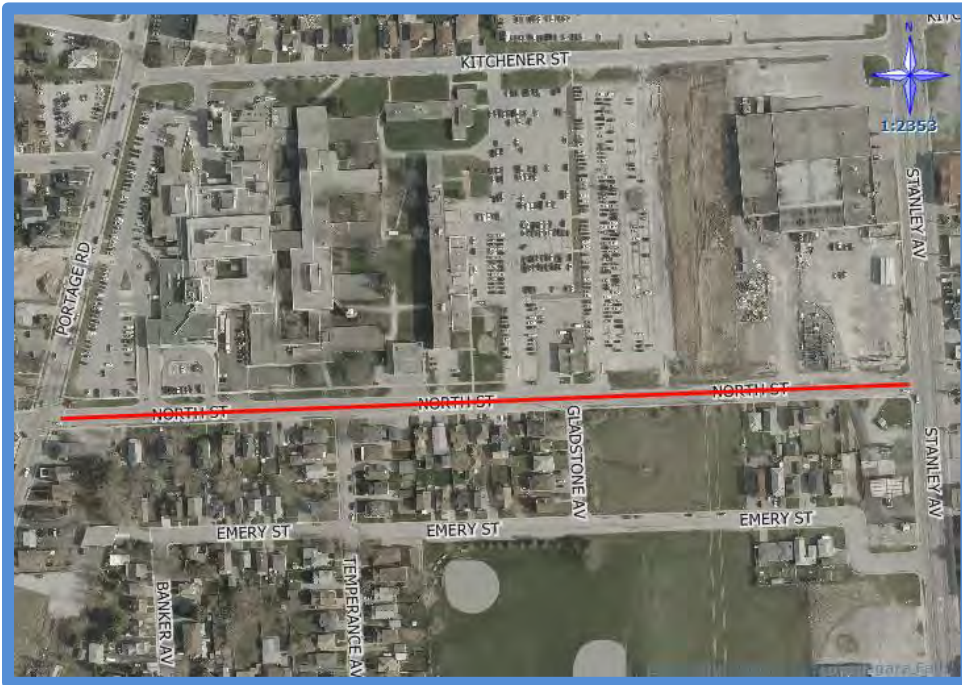
lmceachern@niagarafalls.ca



DESCRIPTION: Sewer separation, watermain replacement and road reconstruction. North Street from Portage Road to Stanley Avenue. This portion of the budget is to complete the design, utility relocations and property purchases required for the project. The consultant for the design of this project is Associated Engineering.

BUDGET: \$85,000

SCHEDULE: 2016



OAKES PARK GRANDSTAND UPGRADES

CONTACT: Jeff Claydon, Landscape Architect

(905) 365-7521 ext. 3334

jclaydon@niagarafalls.ca



DESCRIPTION: Chapman Murray Architects consulted on this project and completed a thorough condition assessment of the Oakes Park Grandstand and change room/cantina building. Both are in need of improvements for weather sealing, accessible washroom standards, electrical, mechanical work. This portion of the budget is for the grandstand improvements.

BUDGET: \$375,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



Photo Credit: Sheri Armstrong

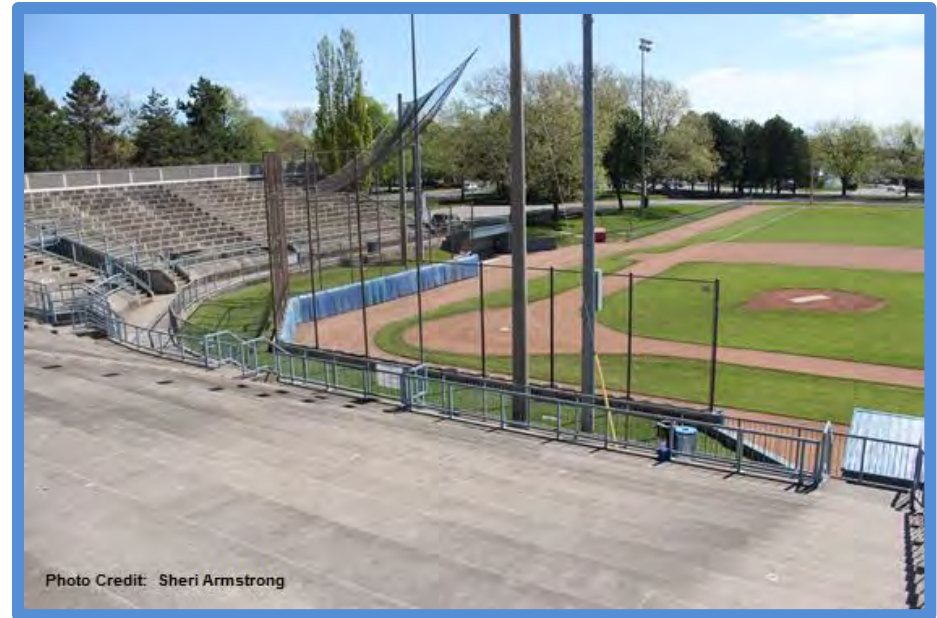


Photo Credit: Sheri Armstrong

OLDFIELD ROAD – DRUMMOND ROAD TO SAM IORFIDA DRIVE

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

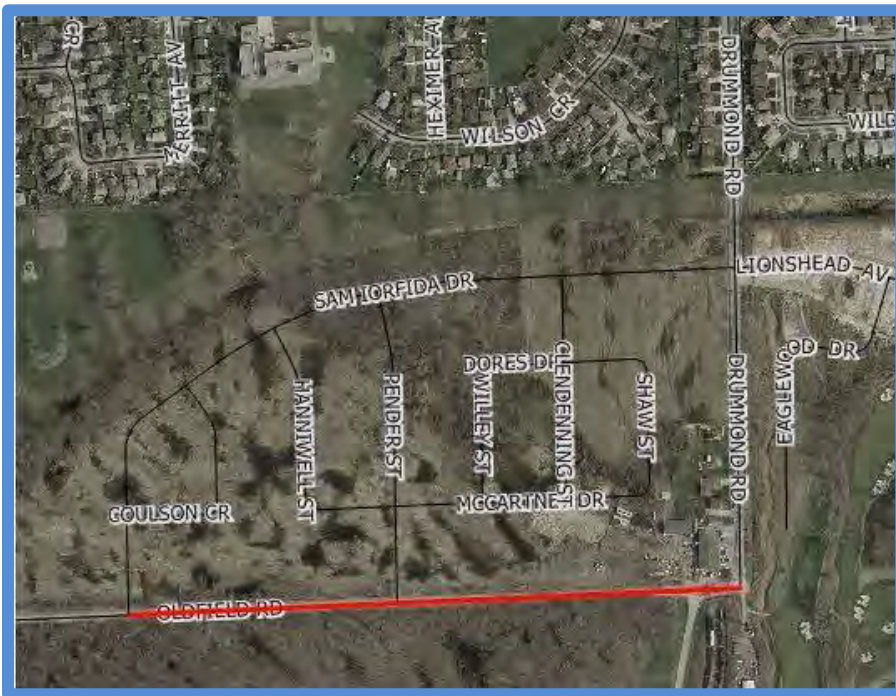
smillar@niagarafalls.ca



DESCRIPTION: Road reconstruction (Drummond Road from Oldfield Road to Sam Iorfida Drive) and upsizing of watermain and storm sewer (Pender Street – Sam Iorfida Drive).

BUDGET: \$970,000

SCHEDULE: 2016



ORCHARD GROVE STORM WATER MANAGEMENT POND STUDY

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

smillar@niagarafalls.ca



DESCRIPTION: Technical review of existing Stormwater Management Pond operation to confirm effectiveness and provide recommendations for maintenance and/or other improvements.

BUDGET: \$70,000

SCHEDULE: 2016

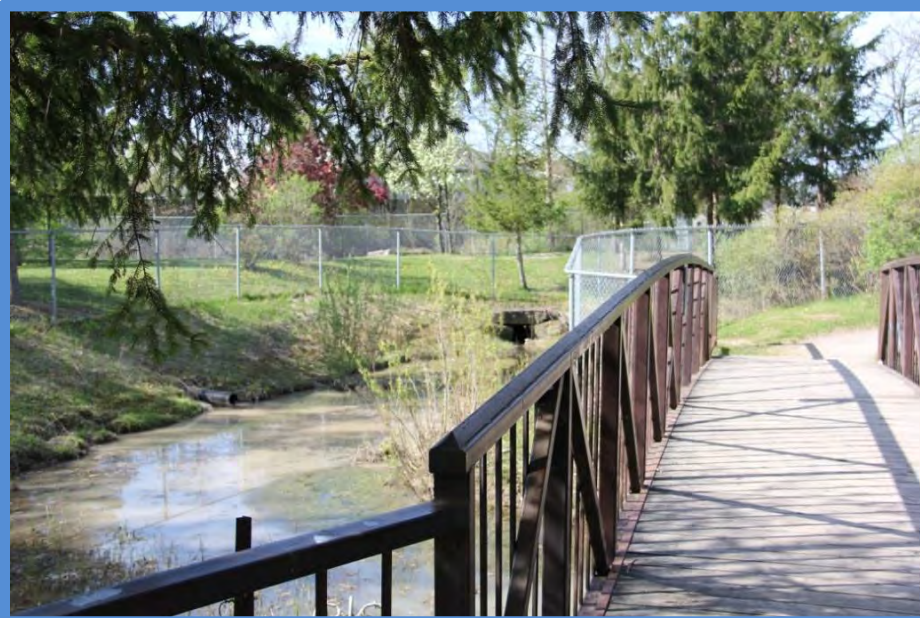


Photo Credit: Sheri Armstrong



Photo Credit: Sheri Armstrong

PETTIT AVENUE WATERMAIN REPLACEMENT



CONTACT: Livia McEachern, P. Eng. Project Manager

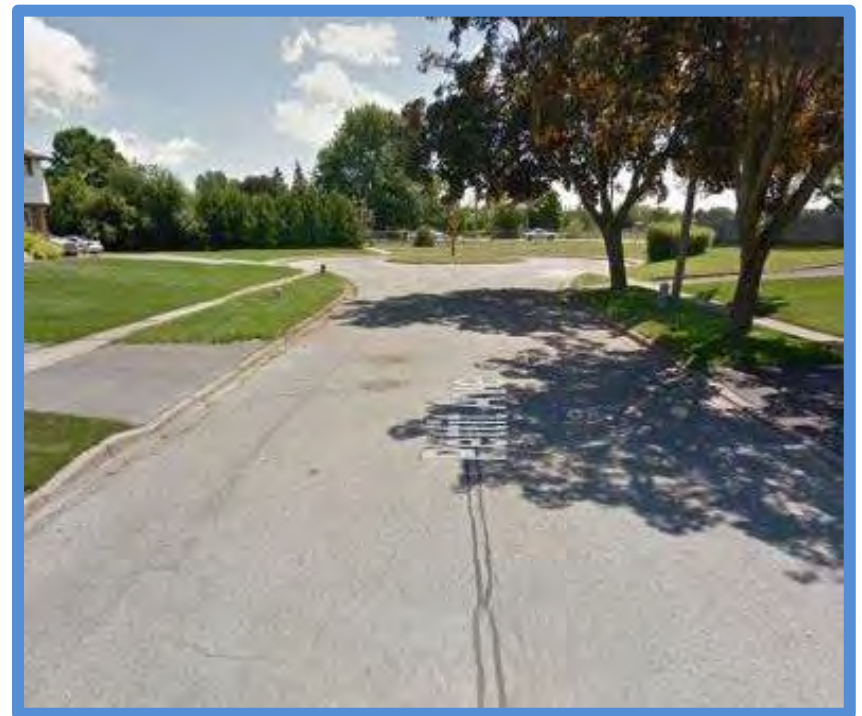
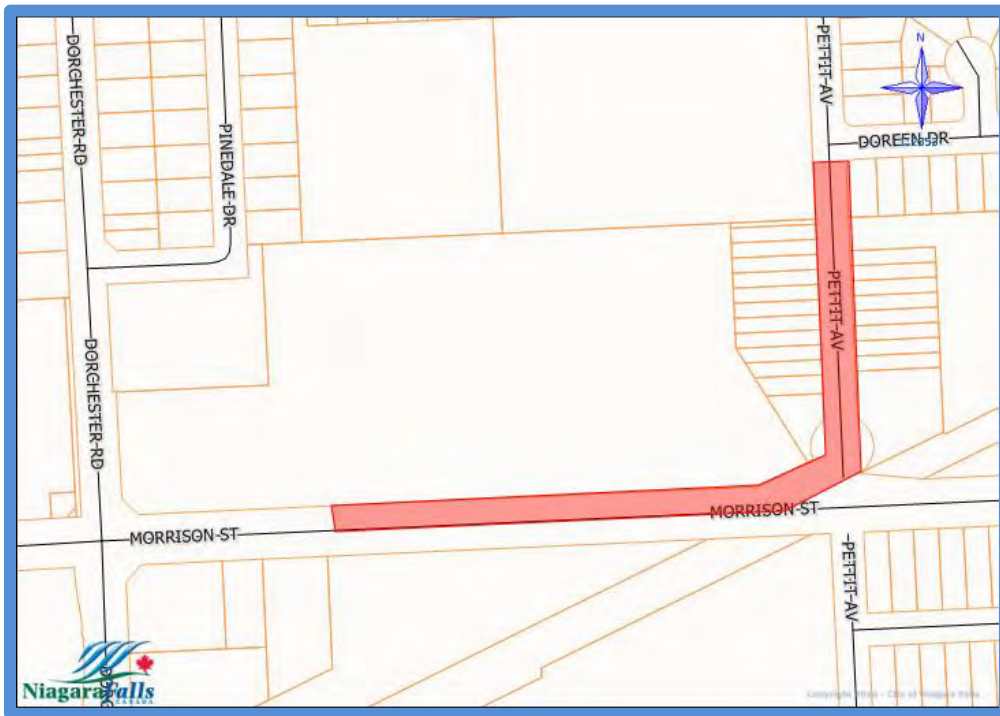
(905) 365-7521 ext. 4288

lmceachern@niagarafalls.ca

DESCRIPTION: Design and construction of watermain replacement. Additional project scope to loop watermain to Morrison Avenue. The consultant for this project is GHD.

BUDGET: \$260,000

SCHEDULE: 2016



PLAY STRUCTURE IMPROVEMENT PROGRAM

CONTACT: Jeff Claydon, Landscape Architect

(905) 365-7521 ext. 3334

jclaydon@niagarafalls.ca



DESCRIPTION: Removal and replacement of aging playground infrastructure in the parks system. For risk management and to meet new accessibility standards.

BUDGET: \$115,000

SCHEDULE: 2016



Photo Credit: Sheri Armstrong



Photo Credit: Sheri Armstrong

QEW WATERMAIN CROSSING – KINSMEN TO OAKWOOD



CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

smillar@niagarafalls.ca

DESCRIPTION: Emergency watermain replacement/relocation project. The existing 150mm dia. cast iron watermain was installed in 1954 and crosses under the QEW providing an important loop within the City's distribution system. However, the length between Kinsmen Ct. and Oakwood Dr. has been isolated due to a leak threatening to undermine the highway. The main will be replaced in a similar alignment north of the existing where a new subdivision development will provide an opportunity for the main to remain within City property.

BUDGET: \$500,000

SCHEDULE: 2016 Construction



RESERVE PUMPER 3

CONTACT: Rick Zabor, Manager of Fleet Operations

(905) 365-1355 ext. 6517

rzabor@niagarafalls.ca



DESCRIPTION: To replace the truck as it has reached its expiry for insurance.

BUDGET: \$600,000

SCHEDULE: June 2016



RETAINING WALL REPAIR IN TOURIST CORE

CONTACT: Nick Golia, Construction Services Supervisor & Drainage Superintendent

(905) 365-7521 ext. 4290

ngolia@niagarafalls.ca



DESCRIPTION: To repair existing retaining wall in the tourist core area.

BUDGET: \$150,000 from the 2016 Ontario Lottery and Gaming Corporation (OLG) compensatory payment

SCHEDULE: 2016



ROAD RESURFACING AND REHABILITATION

CONTACT: Nick Golia, Construction Services Supervisor & Drainage Superintendent

(905) 365-7521 ext. 4290

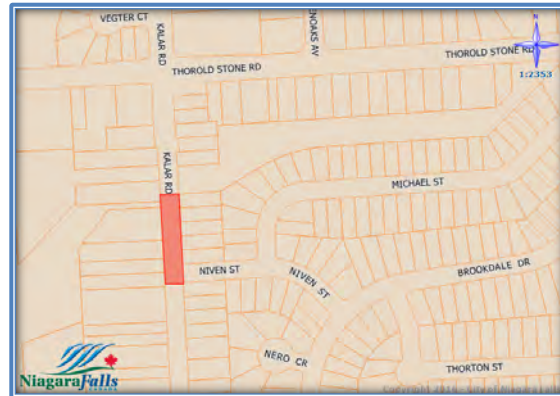
ngolia@niagarafalls.ca



DESCRIPTION: Road resurfacing and full sidewalk replacement on Westfield Dr (Olden Ave to Casey St). Road resurfacing on Casey St (Dorchester to Westfield) and Wildrose Cr/Trillium Cr. Sidewalk replacement on Olden Ave from Casey St to 60m North of Westfield Dr. Road reconstruction on Bridgewater West of Sophia Ave to West limit. Subdrain Installation and Asphalt Reinstatement on Kalar Rd from Niven St to Dunn St. Crosswalk Rehabilitation on Fallsview Blvd from Main St to Dunn St.

BUDGET: \$760,000

SCHEDULE: 2016



Annual road rehabilitation and sidewalk replacement programs improve segments that require extensive repairs and/or have exhausted their expected service life. The work generally involves replacing deficient curb sections, adjusting appurtenances (catch basins, manholes and valve boxes), re-grading and shaping of the road base, the supply and placement of hot mix asphalt, the removal and replacement of concrete sidewalks, and boulevard restoration.

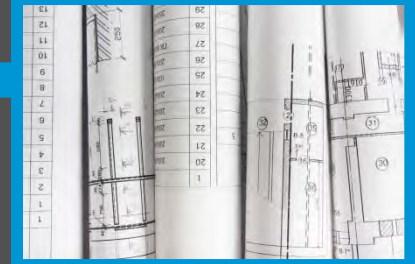


SECOND AND THIRD AVENUE LANEWAY RECONSTRUCTION

CONTACT: Eric Lallouet, C.E.T., Project Manager

(905) 365-7521 ext. 4216

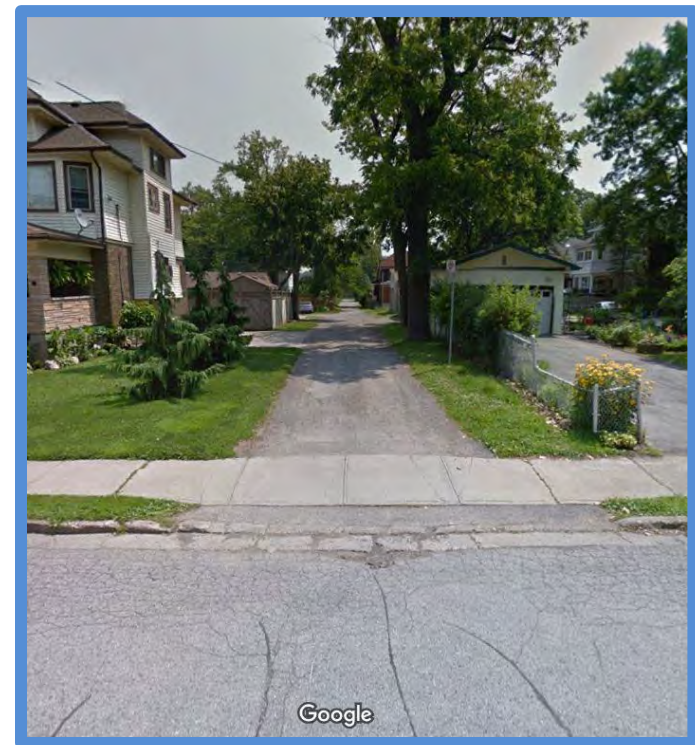
elallouet@niagarafalls.ca



DESCRIPTION: Design and engineering of Second Avenue and Third Avenue laneways.

BUDGET: \$30,000

SCHEDULE: 2016



SHRINERS CREEK RETAINING WALL REPAIR

CONTACT: Chris Anders, P. Eng., Project Manager

(905) 365-7521 ext. 6206

canders@niagarafalls.ca



DESCRIPTION: Geotechnical investigation and design to repair the existing retaining wall.

BUDGET: \$25,000

SCHEDULE: 2016



SIDEWALK REPLACEMENT PROGRAM - 2016

CONTACT: Nick Golia, Construction Services Supervisor & Drainage Superintendent

(905) 365-7521 ext. 4290

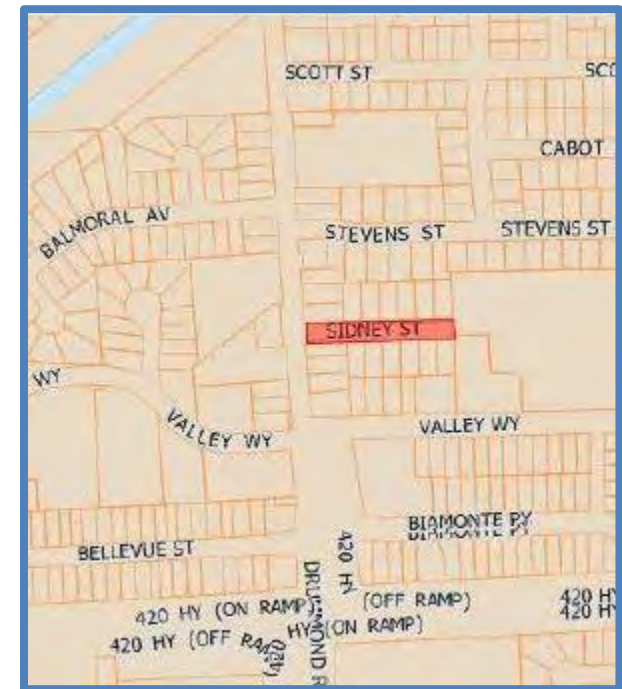
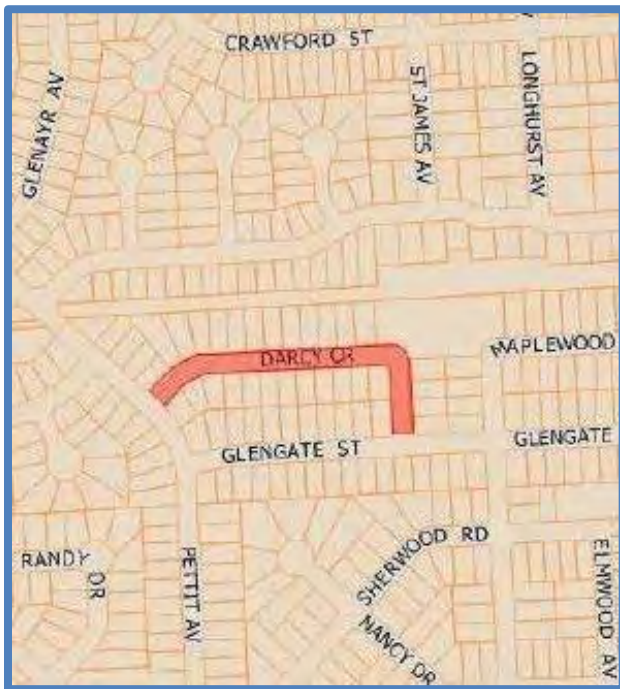
ngolia@niagarafalls.ca



DESCRIPTION: The sidewalk replacement program minimizes risk, enhances public safety, improves accessibility and aims to widen existing sections of sidewalks from 1.2m to 1.5m (where possible). Full sidewalk reconstruction on Darcy Crescent from Petit Avenue to Glengate Street and on Sidney Street from Drummond Road to the East Limit. Additional sidewalk replacement will be included through the Road Rehabilitation contract.

BUDGET: \$450,000

SCHEDULE: 2016



SLATER AVENUE RECONSTRUCTION

CONTACT: Chris Anders, P. Eng., Project Manager

(905) 365-7521 ext. 6206

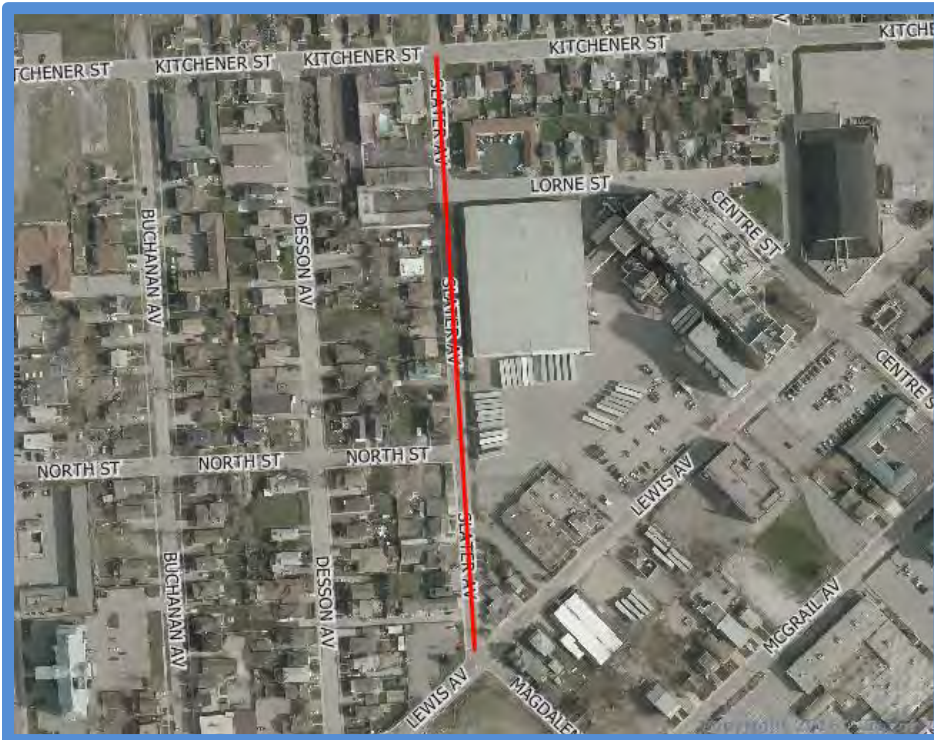
canders@niagarafalls.ca



DESCRIPTION: Full reconstruction including new storm sewers, sanitary sewers, watermains, road, sidewalks and curbs. On Slater Avenue from Kitchener Street to Lewis Avenue.

BUDGET: \$1,303,508

SCHEDULE: 2016



SNOW REMOVAL EQUIPMENT

CONTACT: Rick Zabor, Manager of Fleet Operations

(905) 365-1355 ext. 6517

rzabor@niagarafalls.ca



DESCRIPTION: Purchase a piece of snow removal equipment for walkways and Gale Center.

BUDGET: \$45,000

SCHEDULE: September 2016



STAMFORD GREEN COLUMBARIUM - ACCESSIBILITY

CONTACT: Mark Richardson, Manager of Cemeteries Services

(905) 356-7521 ext. 5301

mrichardson@niagarafalls.ca



DESCRIPTION: In 2014 the issue of accessibility was raised by visitors of the Stamford Green Heritage Columbarium. The Old St. John's Anglican church already has a concrete ramp leading to the front door, however when access is attempted by a motorized scooter and/or wheelchair, there is not sufficient turning room. As such it is proposed that the front doors be modified to allow for access into the columbarium. Modifications would include the instillation of power assist units to the existing heritage designated doors, which would be activated by the existing key fob security system.

BUDGET: \$15,000

SCHEDULE: 2016



Photo Credit: Sheri Armstrong



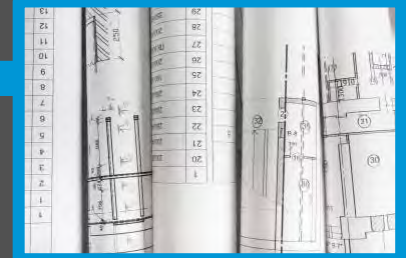
Photo Credit: Sheri Armstrong

STANLEY AVENUE (SOMERVILLE) BRIDGE REHABILITATION

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

smillar@niagarafalls.ca



DESCRIPTION: Bridge deck design and rehabilitation. Constructed in 1955, the Stanley Avenue Bridge is a two lane, three span rigid frame structure that carries Stanley Avenue over Lyons Creek, just south of Lyons Creek Road. Rehabilitation works will include a concrete overlay, waterproofing and paving the existing bridge deck, replacing the concrete barrier railings and curbs with new reinforced concrete parapet walls, and concrete patch repairing the bridge deck soffit, deck fascia, piers, abutments and wingwalls.

BUDGET: \$25,000

SCHEDULE: 2016



Photo Credit: Sheri Armstrong



Photo Credit: Sheri Armstrong

STANTON AVENUE, ELLIS STREET AND RALPH AVENUE

CONTACT: Chris Anders, P. Eng., Project Manager

(905) 365-7521 ext. 6206

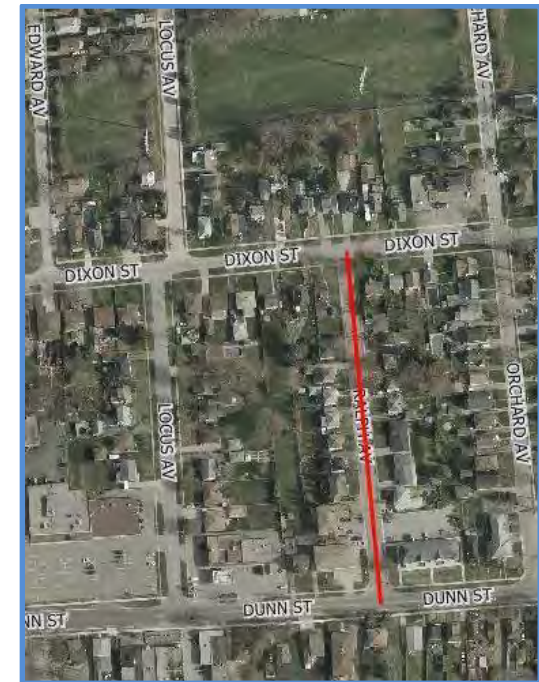
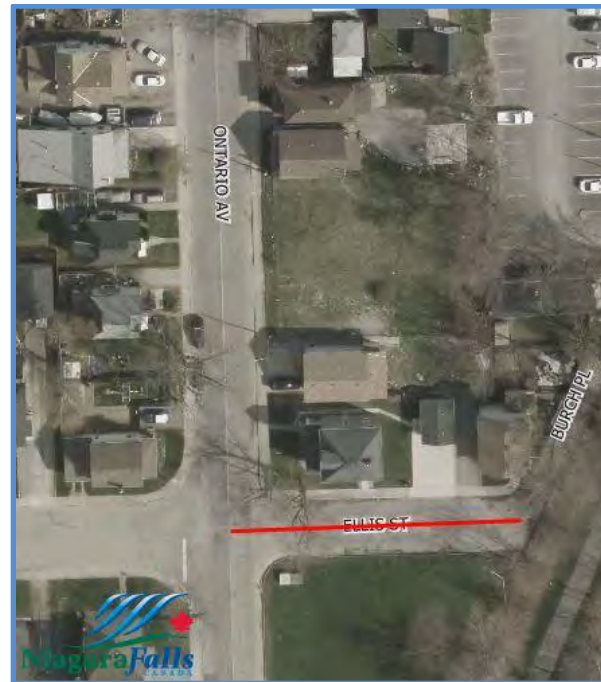
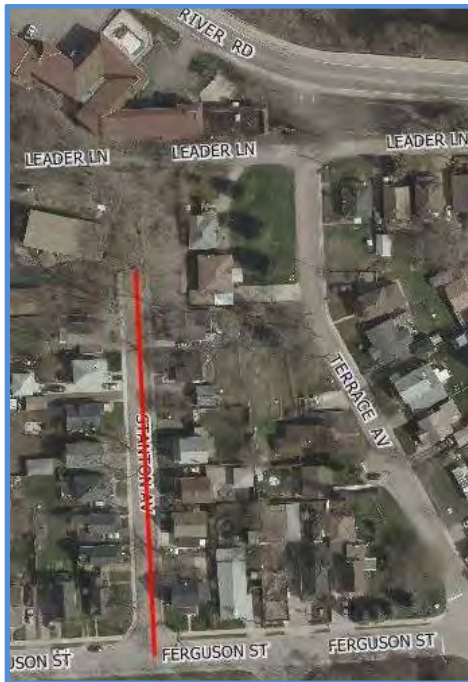
canders@niagarafalls.ca



DESCRIPTION: Various road reconstructions. This project is full road reconstruction including sewer separation, new storm and sanitary sewers, sidewalks and curbs. On Stanton Avenue from Ferguson Street to end, on Ellis Street from Ontario Avenue to end, and on Ralph Avenue from Dixon Street to Dunn Street.

BUDGET: \$1,323,000

SCHEDULE: 2016

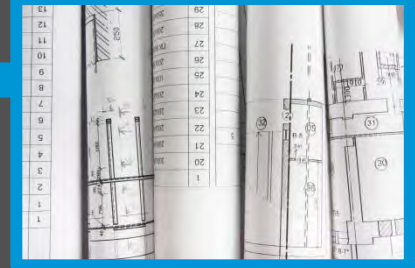


THIRD AVENUE SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng., Project Manager

(905) 365-7521 ext. 4288

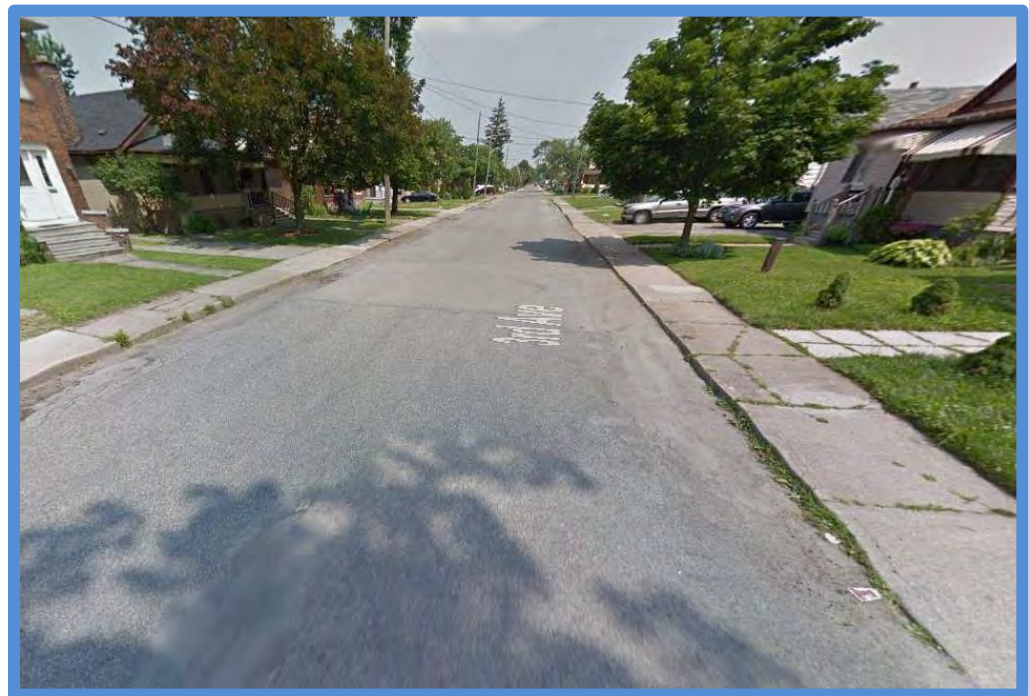
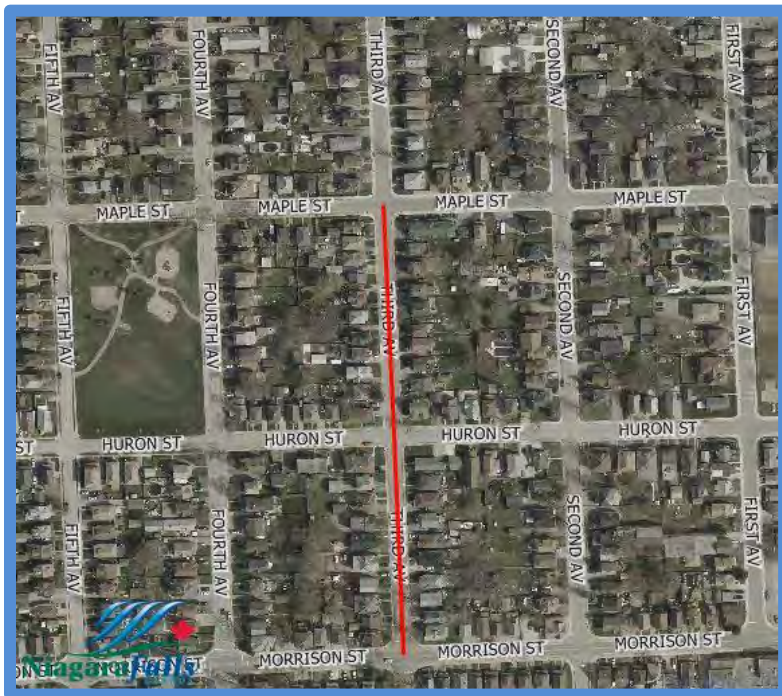
lmceachern@niagarafalls.ca



DESCRIPTION: Sewer separation, watermain replacement and road reconstruction on Third Avenue from Morrison Street to Maple Street. The consultant for this project is Kerry T. Howe Engineering Limited.

BUDGET: \$67,000

SCHEDULE: 2016

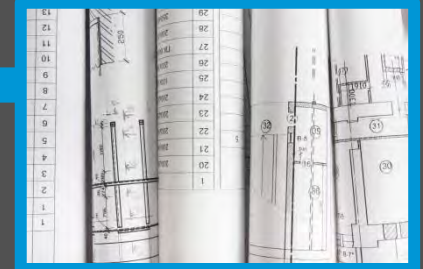


THIRD AVENUE SEWER SEPARATION

CONTACT: Livia McEachern, P. Eng., Project Manager

(905) 365-7521 ext. 4288

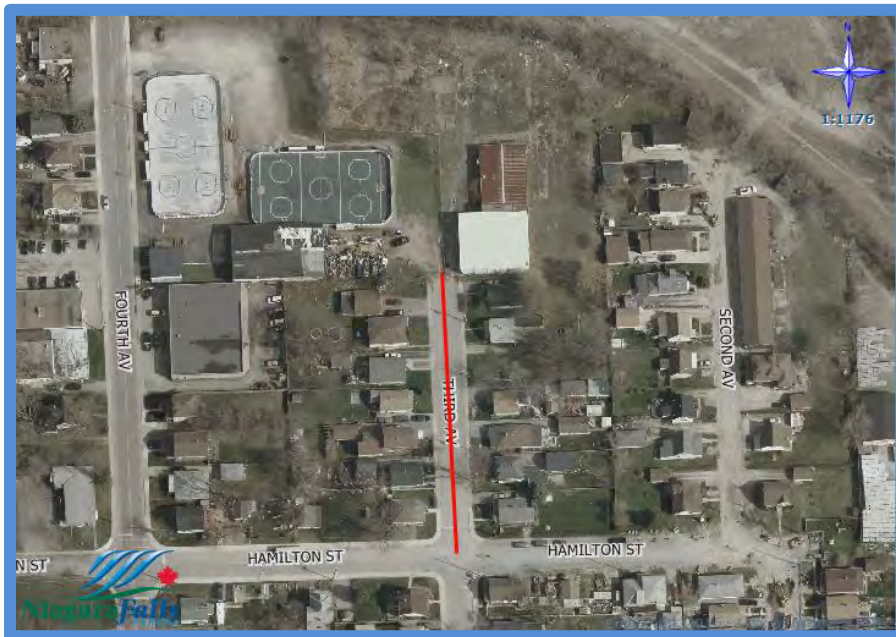
lmceachern@niagarafalls.ca



DESCRIPTION: Design for sewer separation, watermain replacement and road reconstruction project. Third Avenue from Hamilton Street to the North Limit. The consultant for this project is Kerry T. Howe Engineering Limited.

BUDGET: \$30,000

SCHEDULE: 2016



VICTORIA AVENUE STREETSCAPING REVILTILIZATION PROJECT

CONTACT: David Antonsen, Landscape Architect

(905) 365-7521 ext. 3335

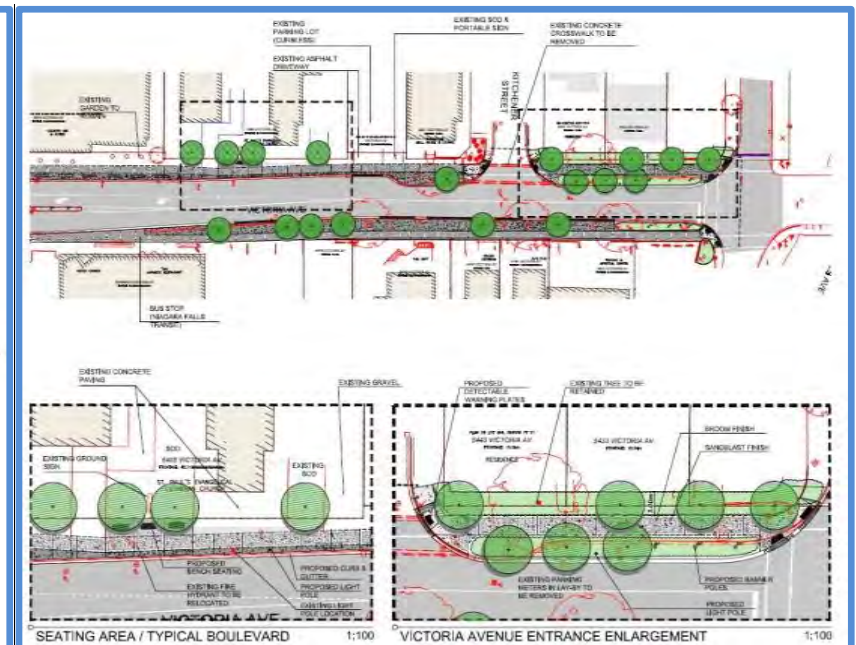
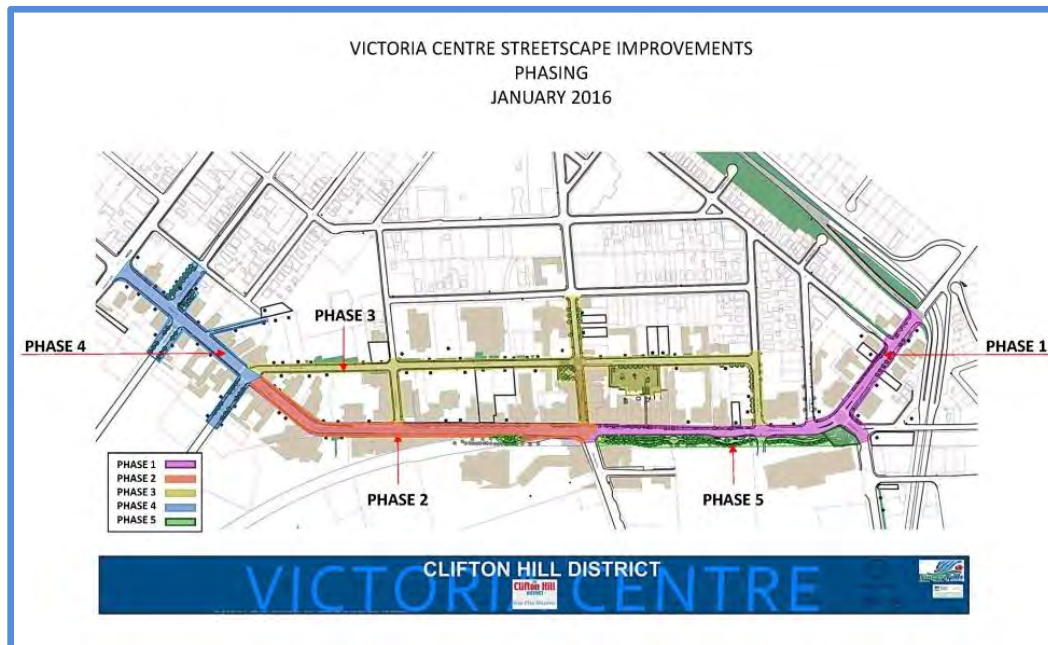
dantonsen@niagarafalls.ca



DESCRIPTION: Implementation of Phase 1 of the Victoria Center Streetscape Revitalization Project. Phase 1 limits are Victoria Avenue from Falls Avenue to Center Street.

BUDGET: \$3,071,000

SCHEDULE: Spring 2016

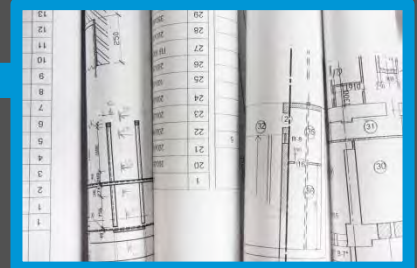


WHIRLPOOL BRIDGE REHABILITATION

CONTACT: Sherri-Marie Millar, P. Eng., Project Manager

(905) 365-7521 ext. 4217

smillar@niagarafalls.ca



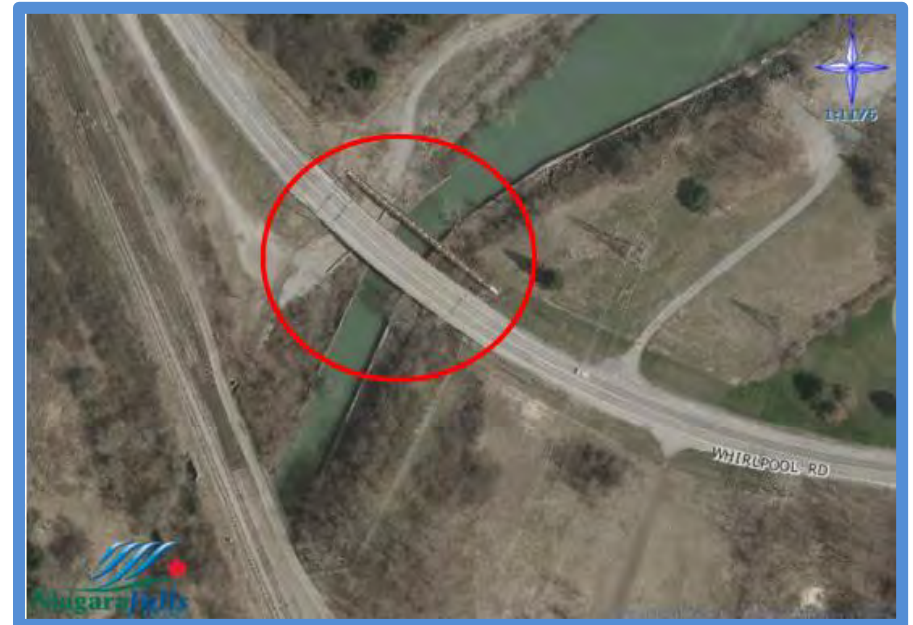
DESCRIPTION: Bridge rehabilitation design. The Whirlpool Road Bridge, constructed in 1984, is a two lane, 50 metre long, single span structure, comprised of a reinforced concrete deck supported by three steel bath-tub girders. Located just west of the Niagara Parkway, this structure carries Whirlpool Road over the hydro canal. Rehabilitation works will include concrete patching, waterproofing, and paving the existing deck, concrete patch repairing the bridge deck soffit, abutments, and wingwalls and replacement of the expansion joints at the abutments.

BUDGET: \$110,000

SCHEDULE: 2016 Design



Photo Credit: Sheri Armstrong

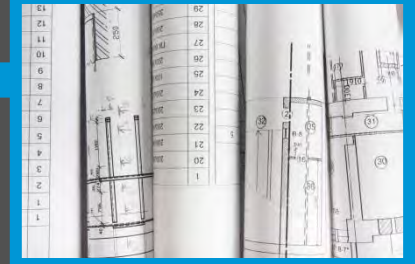


WHIRLPOOL ROAD RESURFACING

CONTACT: Eric Lallouet, C.E.T., Project Manager

(905) 365-7521 ext. 4216

elallouet@niagarafalls.ca



DESCRIPTION: Design and engineering of Whirlpool Road resurfacing from the Whirlpool Road Bridge to the Niagara River Parkway. Also includes the connection of the Millennium Recreational Trail (Niagara Falls Lions Legacy Pathway) to the Niagara River Parkway. The consultant for this project is Quartek Group.

BUDGET: \$100,000

SCHEDULE: 2016

