



JOINT BOARD OF MANAGEMENT

Wednesday, June 17, 2020

9:00 AM

Virtually in Zoom

AGENDA

A. Call to Order:

B. Disclosures of Pecuniary Interest:

C. Approval of Minutes:

Minutes of the meeting of the Union Water Supply System Joint Board of Management Meeting held Wednesday, May 20, 2020
Pages 2 - 6

D. Business Arising Out of the Minutes

E. Items for Consideration:

1. UW/16/20 dated June 12, 2020 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 12, 2020
Pages 7 - 11
Kingsville Water Tower Information - Pages 12 - 16
Hydro One - Class A Information - Pages 17 - 22

2. UW/16/20 dated June 12, 2020 re: Payments from May 15th to June 12th, 2020
Pages 23 - 28

F. New Business:

G. Adjournment:

H. Date of Next Meeting: July 15th, 2020, 9:00 am with location TBD

/kmj



JOINT BOARD OF MANAGEMENT

Wednesday, May 20, 2020
9:00 AM

Virtually in Zoom

MINUTES

Members Present: Mayor MacDonald (Chair); Deputy Mayor Verbeke, Councillors Dunn, Jacobs, Hammond, Thiessen (alternate) Wilkinson - Leamington
Mayor Santos, Deputy Mayor Queen, Councillors DeYong, Neufeld, Patterson - Kingsville
Councillor VanderDoelen - Essex
Councillor Walstedt, Mayor Bain (alternate) - Lakeshore

UWSS Staff Present: Rodney Bouchard, Manager UWSS
Khristine Johnson, UWSS Recording Secretary

Municipal Staff Present: Shannon Belleau - Leamington
Kevin Girard - Essex
Andrew Plancke, Shaun Martinho - Kingsville

OCWA Staff Present: Susan Budden, Dave Jubenville
Dale Dillen, Ken Penney

Call to Order: 9:03 am

Disclosures of Pecuniary Interest: none

Adoption of Board Minutes:

The Special Minutes of the Union Water Supply System Joint Board of Management meeting held virtually on Wednesday, April 15, 2020 is received; and

The Regular Minutes of the Union Water Supply System Joint Board of Management meeting held virtually on Wednesday, April 15, 2020 is received.

No. UW-25-20

Moved by: Deputy Mayor Verbeke

Seconded by: Councillor Jacobs

That Special Meeting Minutes of the UWSS Joint Board of Management meeting of April 15, 2020 be approved; and

That the Regular Meeting Minutes of the UWSS Joint Board of Management meeting of April 15, 2020 is approved..

Carried

Business Arising Out of the Minutes:

There was none.

Report UW/14/20 dated May 15, 2020 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to May 15, 2020

The Manager thanks all members for participating in the Zoom meeting and hopes that everyone is remaining safe during these times. He confirms that some projects are still moving forward. He also confirms that Ontario is still under the Ontario Covid-19 Emergency Order and therefore all non-essential staff are working remotely at this time. This order is anticipated until June 1st. However, any necessary maintenance is being conducted in a safe manner, which includes all lawn maintenance and repairs at UWSS's remote sites. He, along with the Operations Manager, are re-evaluating how to reintroduce the work space, he further notes that some contractors will be back on site June 2nd, in a safe manner.

He reports that a new sodium hypochlorite feed has been installed at the Cottam Booster Station (CBS). The new epoxy coating is also being installed on the walls of the chemical room. The Low Lift (LL) Pump #5 is still out for repair, parts have been ordered and it is anticipated to be reinstalled by June 2020.

The Manager reminds the Board that the UWSS was asked by the Town of Essex to provide water to Harrow/Colchester. This project had been postponed, but is now rescheduled to commence on June 1st, 2020. The Manager notes that he will be working with the Town of Kingsville/Essex staff to ensure the increased flows will be billed accordingly.

The High Lift (HL) Pump #4 was reported taken out of service in February 2020, the repairs have since been made and Phasor has reinstalled and put back into service in May 2020. Also completed in May 2020 was the verification and calibration of the master billing meters, no issues were reported during this process.

The Manager reports that on May 1, 2020 Watech Services conducted an inspection of the Albuna Water Tower (AWT). The report indicates that the tower, that is now approximately eight (8) years old, is in generally good condition. A few items were noted that were in need of repairs, these include cathodic corrosion protection system and a few safety related items. This will require the tank to be drained, which cannot be completed until lower flow season in the Fall of 2020.

Watech Services also completed inspection of the raw water intakes #1 and #2. At the time of the agenda the report had not been received, however, the Manager has since received the report. The report indicates that Raw Intake #1 requires some bracing, while Raw Intake #2 is in good shape. There is some zebra mussel cleaning required,

but the control system seems to be working decently. A few other minor repairs should be completed later this year or early next year.

The Manager provides updates on the SCADA project. He notes that on site work by the contractors has ceased since March 16th due to Covid-19. The SCADA integrator has been working off site on items such as training, operations and maintenance manuals. Based on discussions with staff and the contractor it has been determined it best that the remainder of the SCADA system is integrated in October after the high demand season has been completed. The concern is that some of the SCADA integration will require some parts of the WTP to be shut down and this is best completed when flows are lower.

The Manager provides an update on the CO2 pH Adjustment system project. He is hopeful that the remaining items will be completed prior to July 1st, as the contractor should be returning to the WTP site after June 8th, following all safety protocols.

OCWA Engineering Services have been retained to assist UWSS with the Kingsville Water Tower (KWT) Rehabilitation project. The Manager notes that this work will require the construction of a small building on site to house various electrical equipment. He further notes that he will be working with the Town of Kingsville to discuss design options for the KWT. He also explains that it is interesting that UWSS does not own the land on which the KWT sits, rather the Town of Kingsville does. Therefore, it will be necessary to have a discussion with Kingsville to develop a lease agreement. The Manager asks the Board for direction on how they would like him to proceed.

Deputy Mayor Queen appreciates the fact that the Manager acknowledged that the Town of Kingsville owns the land on which the KWT sits and welcomes discussion regarding the design of the logos and the building design. He feels all board members should be included in the design process. The Manager concurs and notes that the building was identified as beneficial by both Kingsville and OCWA employees. He will certainly be bringing more information forward over the coming months. Councillor Vander Doelen inquires as to who owns the lands that the other towers are sitting. The Manager explains that UWSS is tenants in common as UWSS really doesn't own anything. He will be examining this further and was hoping to resolve this type of issue with the restructuring into a MSC. Councillor Vander Doelen indicates that this could potentially become a liability issue and should be sorted out.

The Manager moves on to item #13 of the report explaining that Eramosa has been hired to provide services to retrofit 12 hydrants. He believes that by late June these items should be installed. This will provide valuable information during the high flow summer season and will hopefully be integrated with the UWSS SCADA system.

Security quotes have been received and reviewed. The UWSS plans on moving forward with the access control security system, which will be installed by Empire Communications. This work is expected to be completed by July 2020.

The Manager moves on to the issue of the parking lot at the UWSS Ruthven WTP. He notes that NJ Peralta has been retained for engineering services regarding the sewage force main for the WTP and the proposed new parking lot area. The information has

been received and is under review. The Manager is hopeful that this will allow 15 parking spots and allow UWSS WTP to get off the septic system.

The last item of the Operations Report notes that the OCWA Engineering Services have been retained to provide project management services for the rehabilitation of the concrete filter boxes #2 and #4. These two (2) appear to be leaking and have never been through a rehabilitation since 1959. It is anticipated that this work will commence in November 2020, when flows are lower.

Finally, the Manager notes the higher flows, comparing them to 2008.

The Board members then ask several questions. Councillor Jacobs asks how the water flowing to Harrow/Colchester will be billed. The Manager explains that the wholesale billing rate along with information taken from the appropriate meters will ensure accurate billing. Also, Mr. Jacobs inquires if the high flows are starting to impact the UWSS in a way that should cause the Board concern. The Manager explains that while the flows are higher, they are not peaking as high. UWSS has higher flows longer, but not the sudden peaks that were experienced in 2007/08.

Councillor Hammond asks how large the raw water intakes are and what volume of water can flow through them. The Manager asks the Operations Manager to answer. Mr. Dillen takes over and he confirms that even though the flows have been higher the raw water intakes have no problems keeping up. Councillor Hammond also asks the Manager to check as to whether UWSS has been receiving the "off-peak" rate from Hydro One during the Covid-19 outbreak. The Manager will have to check into that.

Deputy Mayor Verbeke asks how the UWSS will drain the AWT when the repairs are made. Again the Operations Manager answers that question on behalf of the Manager. He explains that the system pressure will naturally allow a large portion to drain away, then the AWT drain valve will be isolated, to allow for dechlorination.

No. UW-26-20

Moved by: Deputy Mayor Queen

Seconded by: Councillor DeYong

That report UW//14/20 dated May 15, 2020 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to May 15, 2020 is received.

Carried (UW/14/20)

Report UW/15/20 dated May 15, 2020 re: Payments from April 10th to May 15th, 2020

No. UW-27-20

Moved by: Councillor Jacobs

Seconded by: Councillor Patterson

That report UW/15/20 dated May 15, 2020 re: Payments from April 10 to May 15, 2020 is received.

Carried (UW/15/20)

New Business

The Recording Secretary notes that the next meeting date is June 17th, with location to be determined depending on Provincial Orders.

Also, she notes that the UWSS Facebook page is up and running.

Adjournment

No. UW-28-20

Moved by: Councillor DeYong

Seconded by: Deputy Mayor Verbeke

That the meeting adjourn at 9:39 am

Carried

Date of Next Meeting: Wednesday, June 17th, 2020 9:00 am - TBD

/kmj

UW/16/20

To: Chair and Members of the Union Water Supply
System Joint Board of Management

From: Rodney Bouchard, UWSS General Manager

Date: June 12, 2020

Re: Status Update of UWSS Operations & Maintenance Activities and Capital
Works to June 12, 2020



Aim:

To inform the UWSS Board about operational and maintenance activities and capital works projects for the Union Water Supply System since the last Board meeting on April 15, 2020.

Discussion:

The UWSS Manager conducts regular meeting with OCWA Operations staff in regards to on-going operations and maintenance programs for the UWSS facilities. The following provides an update on UWSS operations, regular maintenance and major maintenance and Capital Works at UWSS facilities:

1. Regular Maintenance on all process equipment and analyzers continue to be completed through OCWA's Workplace Maintenance Management System.
2. It should be noted that in accordance with the Province of Ontario COVID-19 Emergency Order, all non-essential staff at the UWSS facilities, including UWSS and OCWA staff, are currently working remotely as much as possible to reduce the potential impact of COVID-19 on essential drinking water treatment operators. The Essential Staff provision is anticipated to remain until the end of June 2020.
3. Greenflag Coatings was retained to refinish three damaged walls at the Cottam Booster Station in preparation for the new piping and panel for the sodium hypochlorite system. The piping and panel were then installed and commissioned by OCWA maintenance staff. This work was completed as part of improvements to the chlorine boosting system at Cottam Booster.
4. Low Lift pump #5 is still out for repair. Parts have been ordered and the retained contractor, Nevtro, will return to install as soon as it is complete. It is anticipated that the pump will be installed at the beginning of July 2020.
5. Earlier this year, the UWSS was requested by the Town of Essex to supply water to the Harrow/Colchester area due to a proposed maintenance shutdown of the Harrow/Colchester Water Treatment Plant. This proposed shut down was postponed due to the COVID-19 outbreak.

Re: UW/16/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 17, 2020

- UWSS started supplying water to the Harrow/Colchester system on June 8, 2020. This will be on-going for approximately two (2) weeks. At the onset of the transition, low water pressures were reported in Harrow/Colchester. On June 9th, 2020, low water pressures were again noted in Harrow/Colchester and also the southwest portion of the Town of Kingsville. UWSS and OCWA staff worked with Town of Kingsville and Town of Essex staff to evaluate and address the issue. The UWSS and municipalities implemented lawn watering restrictions and notified the public through social media to reduce daytime water usage so as to ensure consistent supply of water with adequate pressure to residents and businesses. UWSS and OCWA will work with Town of Kingsville water dept. staff and Town of Essex staff to ensure that increased flows through Kingsville to supply Colchester and Harrow will be tracked and billed accordingly.
6. On May 6, 2020 Watech Services Inc conducted inspections of the two raw water intakes. Inspection reports have yet to be provided.
 7. Wastewater pump #2 needs to be pulled for repair. OCWA operations and maintenance staff recommend the purchase a spare wastewater pump as a backup since these pumps often need to be repaired and it is difficult to keep up with wastewater flow with only one pump in operation. Quotes for a new wastewater pump are being solicited.
 8. OCWA staff had noted some issues with sludge blow off valves on Clarifiers #1 and #4. The blow off valve for Clarifier #4 has been repaired by OCWA maintenance. Blow off valve for Clarifier #1 is functional but needs to be rehabilitated. Necessary parts have been ordered.
 9. Filter #3 drain valve isn't opening 100% which is causing issues with the auto backwash cycle. Some adjustments have been made in the interim so that the filter can be used. Parts have been ordered.
 10. Backflow preventer testing was completed on June 11th, 2020 by KZ Plumbing and Heating of Windsor, ON. Two backflow preventers failed inspection and will require service. KZ plumbing has been requested to provide a quote for parts and labor.
 11. SCADA Upgrade Project Update: On-site work for the new SCADA system integration was put on hold on March 16, 2020 due to the COVID-19 outbreak. Although outside contractors are now resuming some work at UWSS facilities, the integration of the new SCADA system requires plant shut downs and restarts, which is too risky and not feasible during the summer high water demand period. On-site work will resume in October 2020 after the summer high water demand period has passed. The SCADA system integrator, SUMMA Engineering is completing work that can be done remotely.

Re: UW/16/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 17, 2020

12. CO2 pH Adjustment/ Chlorine System Improvements Project Update - Substantial Completion for this project was issued on March 31st, 2020. All the essential components of the project have been completed. The remaining items of this project include landscaping and minor deficiencies. Land grading activities were completed and the beginning of June and hydroseeding is scheduled for June 15, 2020. Deficiencies with CO2 automation have been addressed.

The contractor, Maple Reinders resumed on-site work on June 8, 2020 to address the remaining deficiencies. This work is scheduled to be completed by early July 2020.

13. OCWA Engineering Services (OCWA ES) has been retained by UWSS to provide engineering, project management and contract management services for the Kingsville Water Tower recoating and rehabilitation project. This work also proposes the construction of a small utility building on-site to house existing electrical and telecom equipment and a new chlorine analyzer.

The design of the utility building has been completed by The Municipal Infrastructure Group (TMIG), a subcontracted design engineering firm retained through OCWA ES. A copy of the site plan with proposed building is attached to this report. Also attached is a photo of an existing utility building that depicts the proposed “look” and construction of this building.

A virtual meeting was held on May 29, 2020 between UWSS, OCWA-Union Water staff and OCWA ES staff to discuss this work. It was agreed that due to the lateness of the year that it would be best to focus on completion of Kingsville WT rehab work in 2020. The construction of the proposed utility building would occur when feasible after completion of the water tower rehab work.

OCWA ES is currently preparing engineering specs and tender package for the water tower recoating, and safety upgrades. It is anticipated that tendering of this work will occur at the end of June or the first week of July. This tender will not include the construction of the building. The project team felt it would be best for scheduling and contracting purposes to keep the construction of the building separate.

It should be noted that the land occupied by the Kingsville Water Tower is owned by the Town of Kingsville. UWSS is in preliminary discussions with the Town of Kingsville regarding a lease agreement between UWSS and the Town of Kingsville for use of the land for water tower operations and construction of proposed utility building.

14. Eramosa Engineering of Guelph, ON has been retained to provide design/engineering consulting services for the provision and retrofit of 12 hydrants in the larger UWSS distribution system to include real time smart metering capabilities. These “smart hydrant” retrofits will include continual pressure and temperature monitoring capabilities. Eramosa has completed the

Re: UW/16/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 17, 2020

- construction of the monitoring equipment for the 12 hydrant retrofits. In consultation with water operations staff from Leamington, Kingsville, Essex and Lakeshore, it is anticipated that the installation of these units will be initiated the second week of July 2020.
15. Empire Communications has been retained through a quoting process to supply and install an access control security system for UWSS facilities. This will include an upgrade to the video camera security system currently in-place and provide access control to UWSS facilities including the Low Lift Pumping Plant, Ruthven Water Treatment Plant and Cottam Booster Station. It is anticipated that this work will be initiated towards the end of July 2020.
 16. UWSS is soliciting quotes from local contractors to undertake the construction of the new Laboratory within the Ruthven Water Treatment Plant. To date, two quotes have been received, both within the approved budget of \$100,000. UWSS hopes that construction of the new Lab will be started in September 2020.
 17. NJ Peralta Engineering of Kingsville has been retained for engineering services for the installation of a sewage force main for the UWSS Ruthven Water Treatment Plant and for the new parking area proposed at the Treatment Plant. A preliminary design of the new parking lot and sewage force main was provided to UWSS on May 8th, 2020 and has been reviewed by UWSS. Since the proposed sewage force main would be installed in County of Essex right-of-way, the design is currently under review by County of Essex staff. In the meantime, NJ Peralta is preparing a tender document for this work.
 18. UWSS held a virtual meeting on June 10, 2020 with Associated Engineers and OCWA on to initiate preliminary discussions on installation of a new mixing system in the Cottam Booster station reservoirs. Currently, two Grid-Bee active mixers are installed in the Cottam Booster. These were installed in 2014. These mixers are approaching end of useful life and will need to be replaced. UWSS and OCWA are hoping to install a relatively low cost passive mixing system that would not have any moving parts or require electricity. Preliminary options have been identified by Associated Engineering that seem to meet these objectives.
 19. On May 27, 2020 the UWSS General Manager received an email from Hydro One indicating that UWSS *"has met the eligibility requirements for qualification into the 'Industrial Conservation Initiative' (ICI), also referred to as 'Class A', for the upcoming 2020/2021 adjustment period. As a 'Class A' customer under the criteria detailed in [Ontario Regulation 429/04](#) under the Electricity Act, 1998, you will pay for the Global Adjustment charge based on your calculated Peak Demand Factor which represents your contribution to the five coincident system peaks that occurred during the previous 'base period'"*

A review of the information and calculations provided by Hydro One (see attachment to this report) indicated that UWSS would achieve a savings of \$-

Re: UW/16/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 17, 2020

127,464.99 including HST, by enrolling into the Class A program. It was also noted that the enrollment period closed on June 15, 2020. The UWSS General Manager informed the appropriate Hydro One contact on June 12, 2020 that the UWSS will not be applying to enroll in the Class A program and will remain as a Class B customer since UWSS' electrical costs are calculated to be significantly lower as a Class B customer.

The first chart shows comparative flows for 2016 through 2020 in Mega Litres (ML) and the second chart shows Millions of Imperial Gallons (MIG) for the period January 1st to June 11th, 2020.

	2016	2017	2018	2019	2020
Flow to Date (ML)	5,951.46	6,022.43	6,442.49	6,359.12	7,364.92
Max Day (ML)	69.66	70.88	70.57	63.95	85.45
Min Day (ML)	19.49	20.73	23.56	20.13	25.44
Average Day (ML)	36.51	37.18	39.77	39.25	45.18
No of Days	163	162	162	162	163

	2016	2017	2018	2019	2020
Flow to Date (MG)	1309.16	1324.78	1417.18	1398.84	1620.09
Max Day (MGD)	15.32	15.59	15.52	14.07	18.80
Min Day (MGD)	4.29	4.56	5.18	4.43	5.60
Average Day (MGD)	8.03	8.18	8.75	8.63	9.94
No of Days	163	162	162	162	163

Flows to date are up 1,005.8 ML (221.25 MIG) or 15.82% from last year. The 2020 flows to date are up 18.91% over the previous 4 year average.

Recommendation:

That this report be received by the UWSS Board for information purposes.

Respectfully submitted,

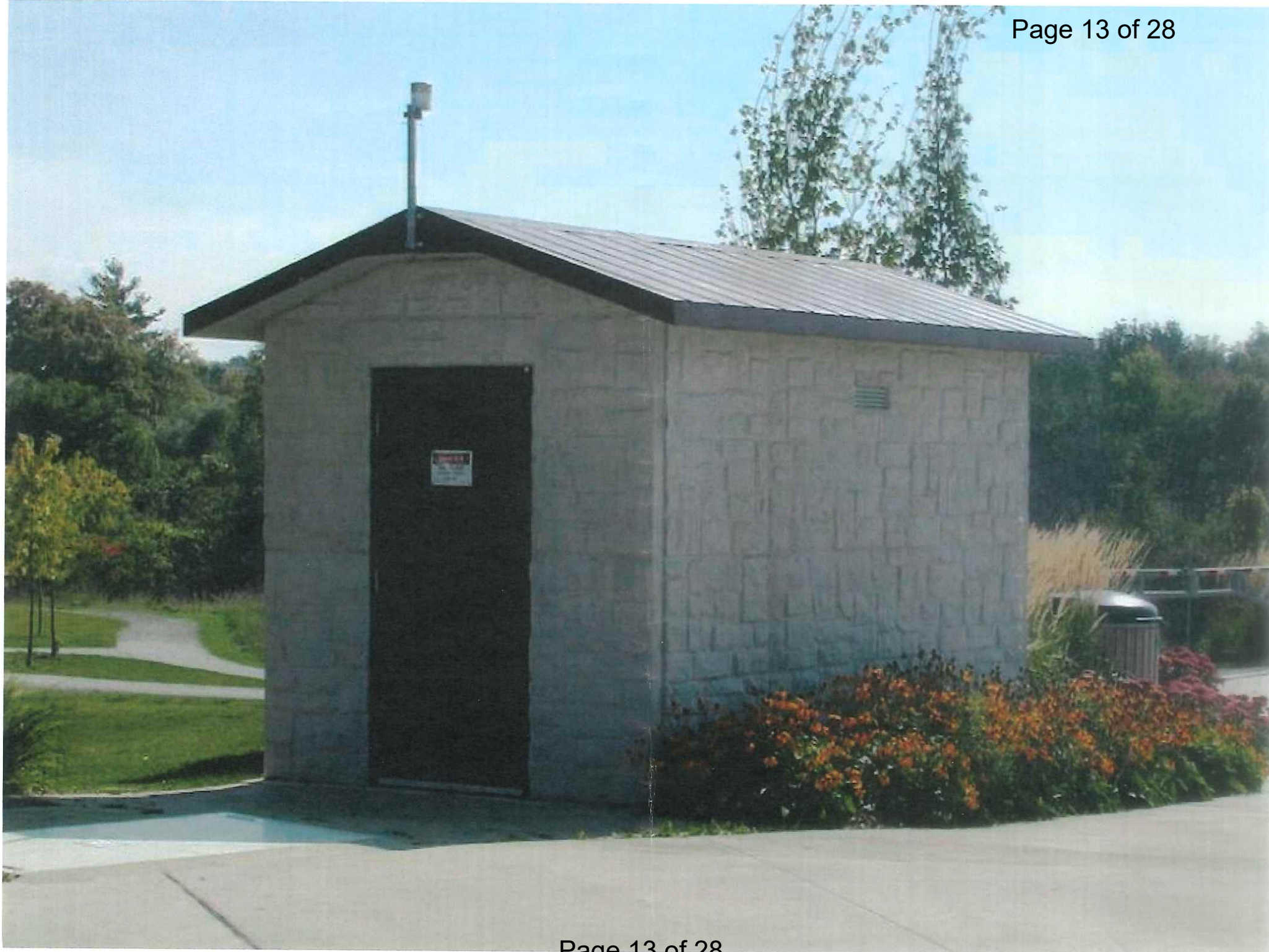


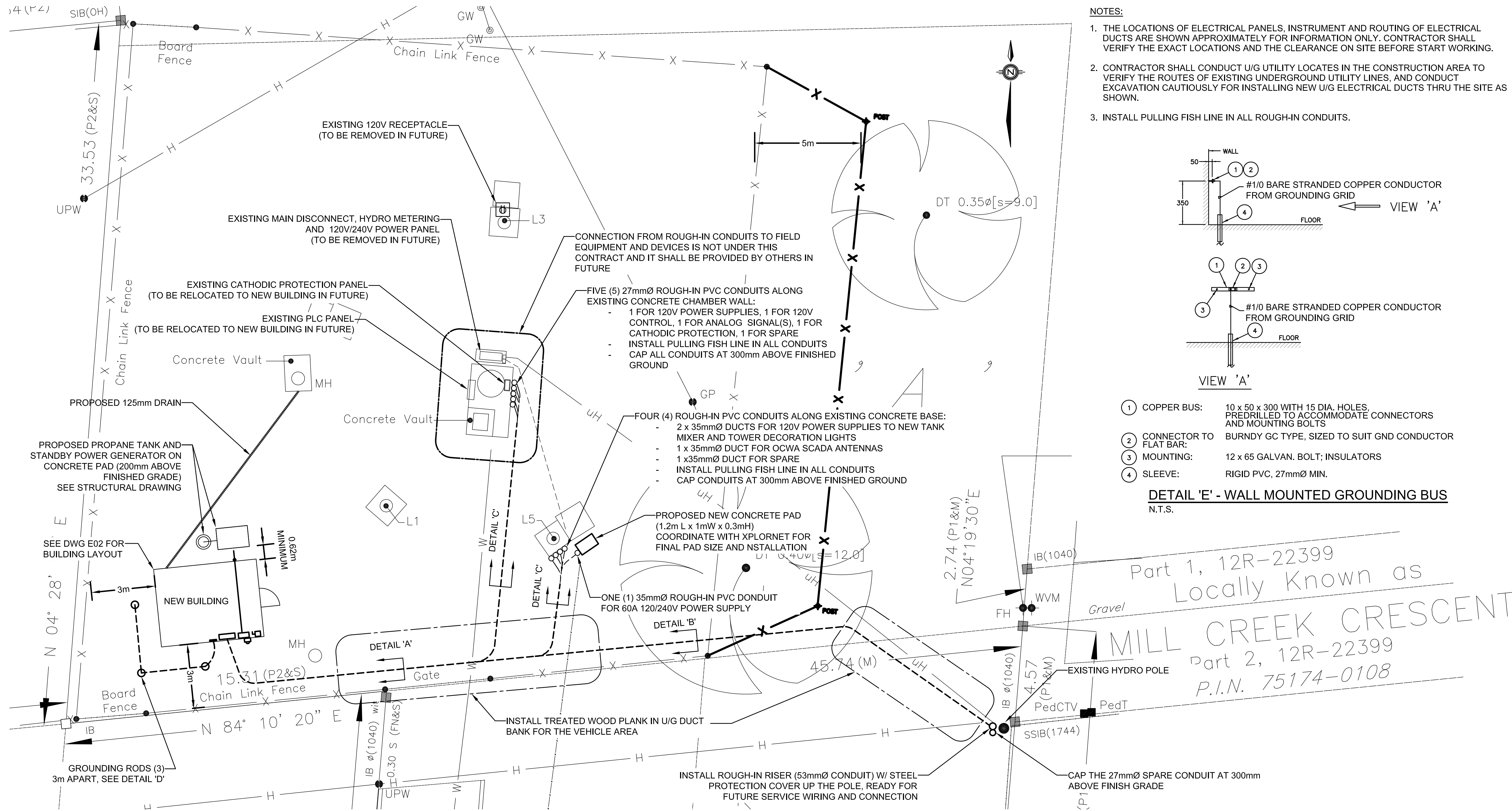
Rodney Bouchard, Manager
 Union Water Supply System Joint Board of Management
 /kmj

KINGSVILLE WATER TOWER

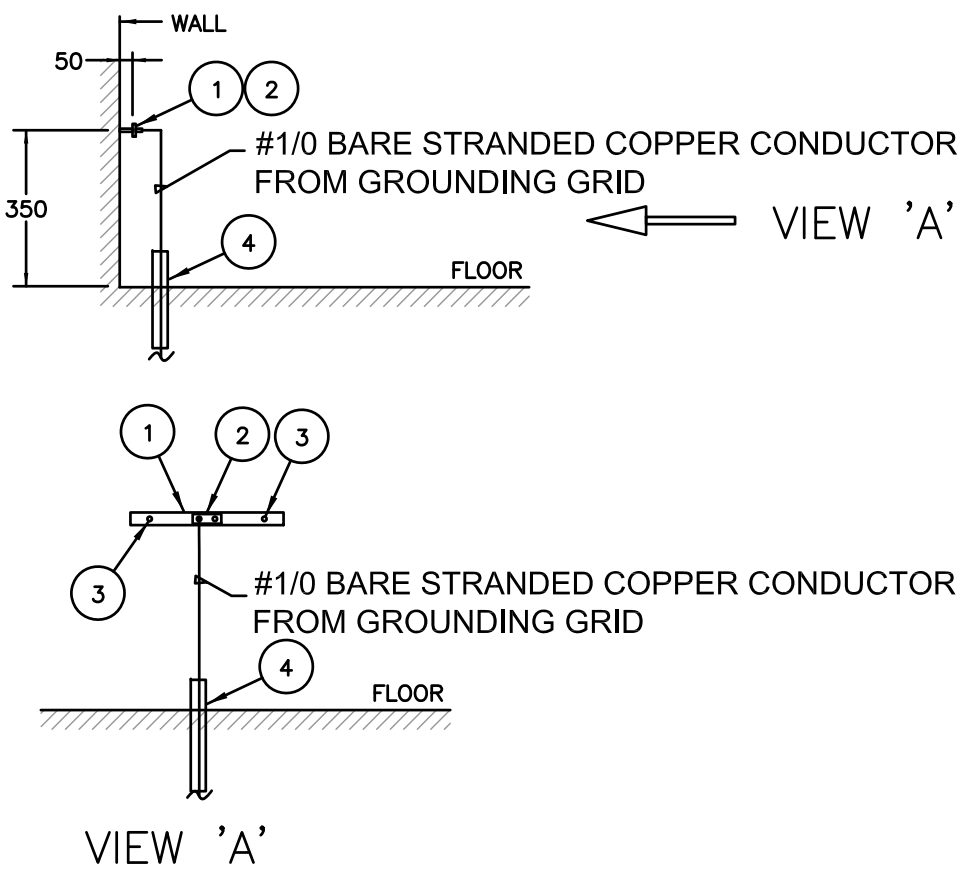
BUILDING STYLE/CONCEPTION

JUNE 2020





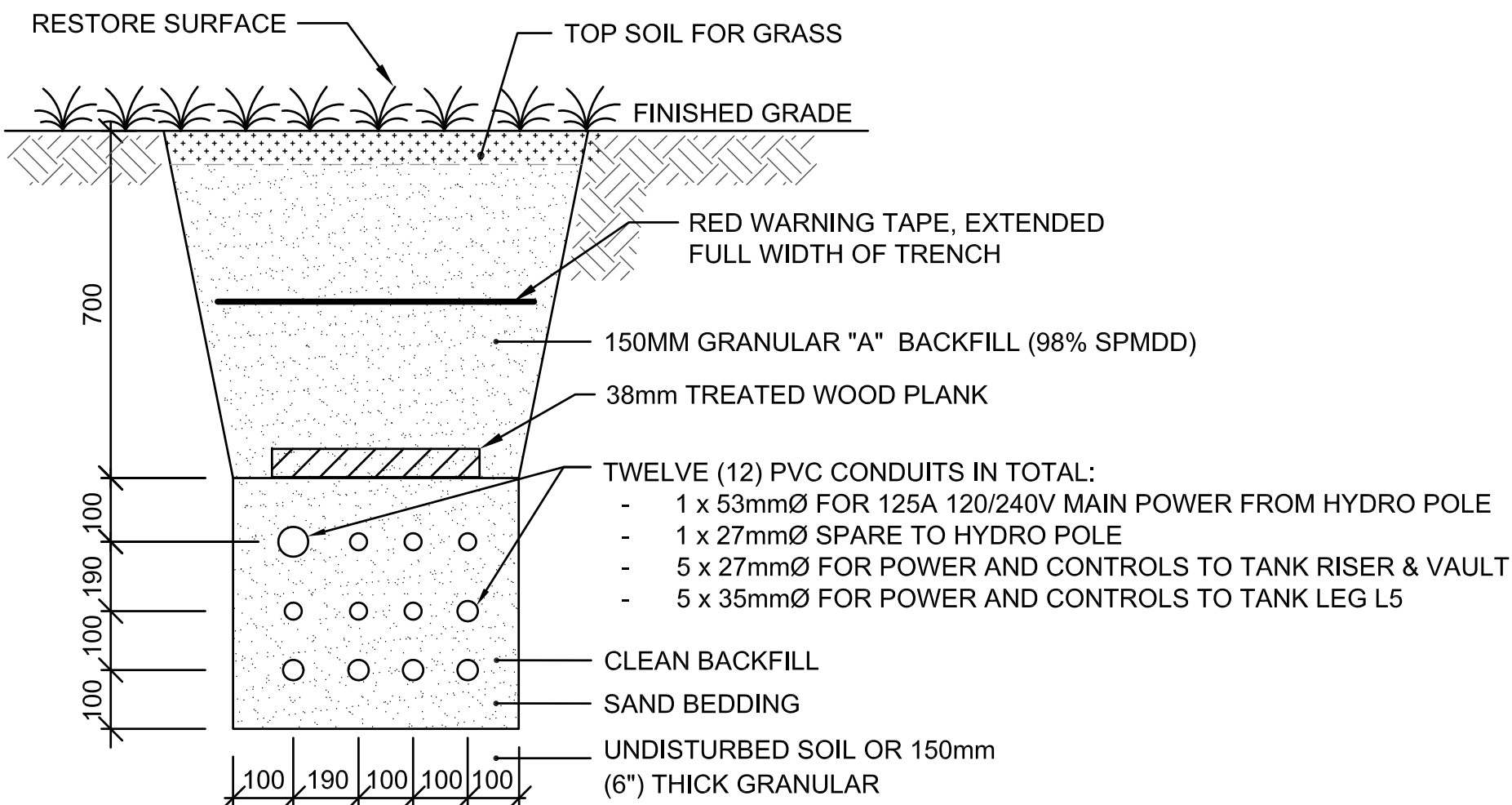
- NOTES:
1. THE LOCATIONS OF ELECTRICAL PANELS, INSTRUMENT AND ROUTING OF ELECTRICAL DUCTS ARE SHOWN APPROXIMATELY FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND THE CLEARANCE ON SITE BEFORE START WORKING.
 2. CONTRACTOR SHALL CONDUCT U/G UTILITY LOCATES IN THE CONSTRUCTION AREA TO VERIFY THE ROUTES OF EXISTING UNDERGROUND UTILITY LINES, AND CONDUCT EXCAVATION CAUTIOUSLY FOR INSTALLING NEW U/G ELECTRICAL DUCTS THRU THE SITE AS SHOWN.
 3. INSTALL PULLING FISH LINE IN ALL ROUGH-IN CONDUITS.



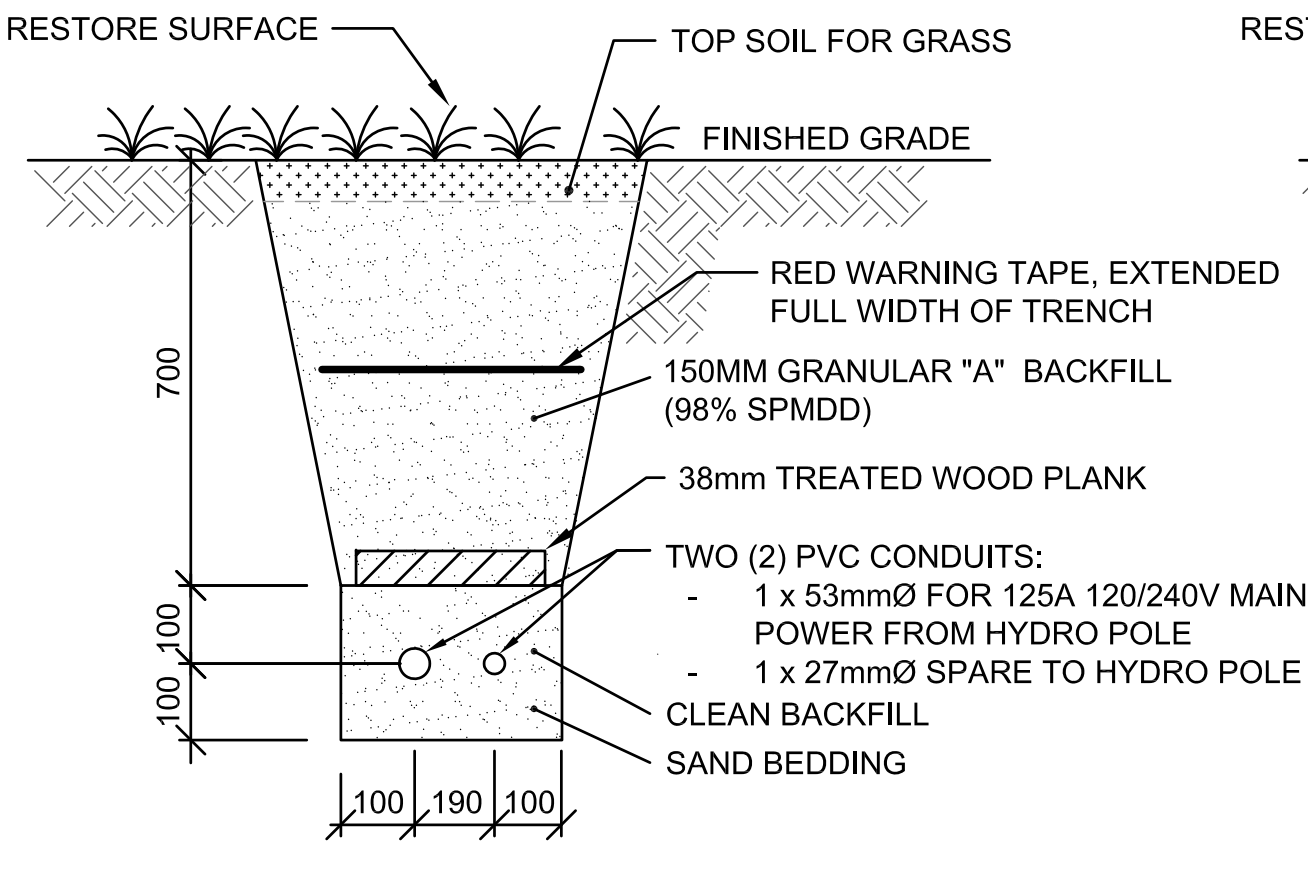
- 1 COPPER BUS: 10 x 50 x 300 WITH 15 DIA. HOLES, PREDRILLED TO ACCOMMODATE CONNECTORS AND MOUNTING BOLTS
- 2 CONNECTOR TO FLAT BAR: BURNDY GC TYPE, SIZED TO SUIT GND CONDUCTOR
- 3 MOUNTING: 12 x 65 GALVAN. BOLT; INSULATORS
- 4 SLEEVE: RIGID PVC, 27mmØ MIN.

DETAIL 'E' - WALL MOUNTED GROUNDING BUS
N.T.S.

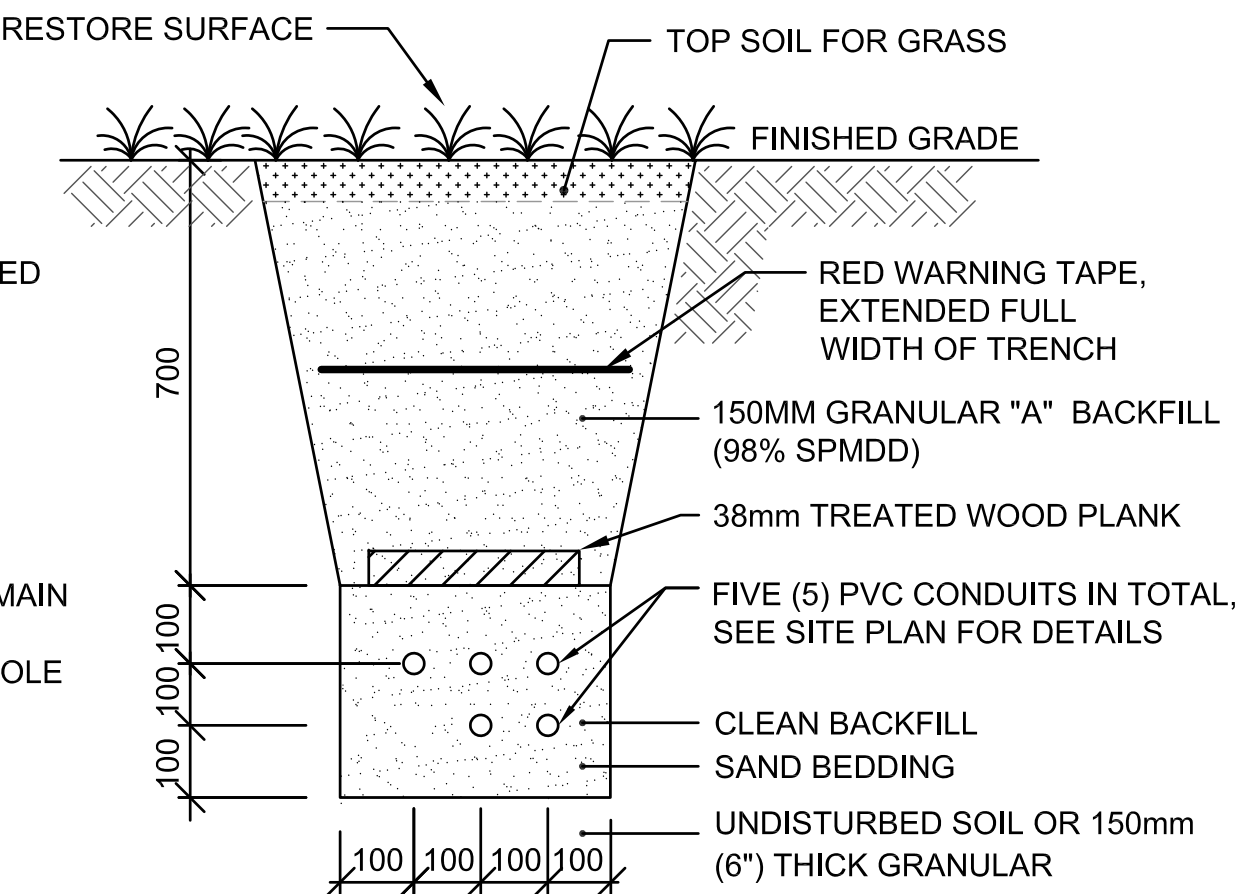
ELECTRICAL SITE PLAN
1:100



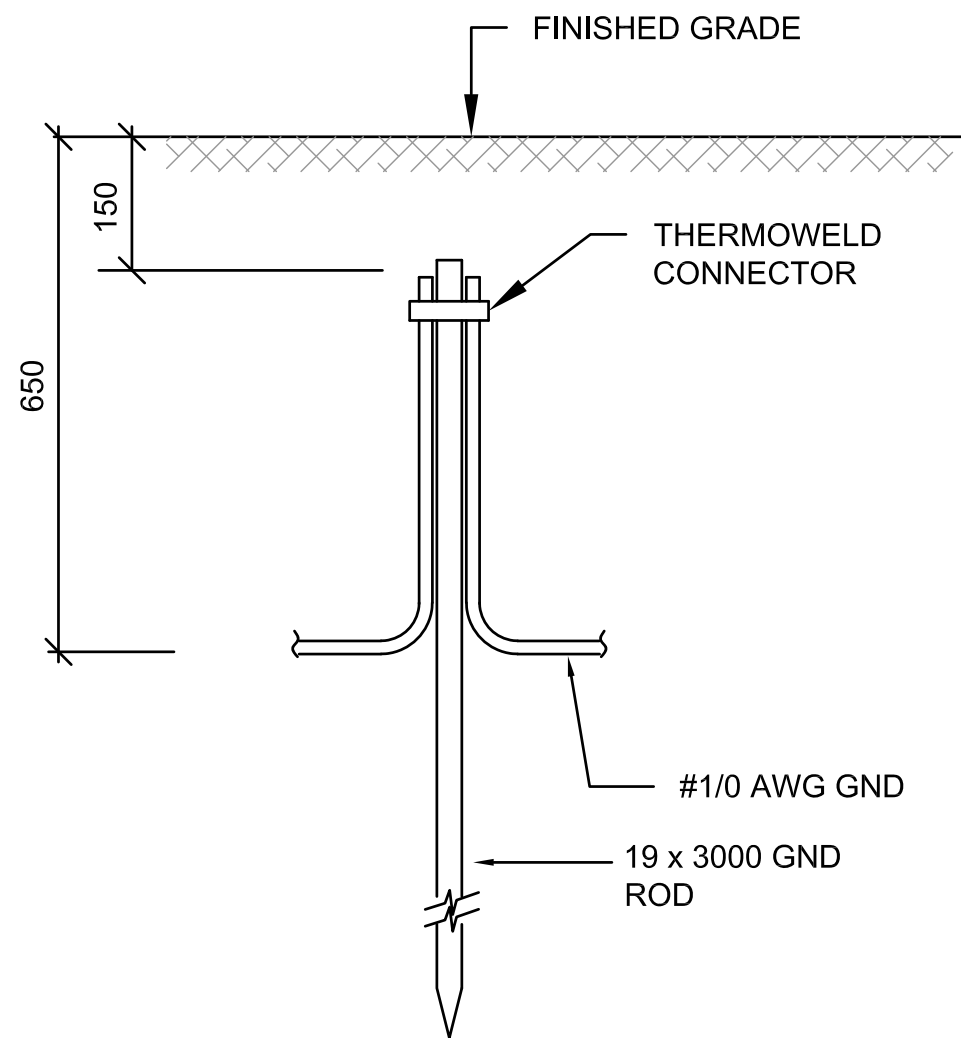
DETAIL 'A' - DIRECT BURIED DUCTBANK
N.T.S.



DETAIL 'B' - DIRECT BURIED DUCTBANK
N.T.S.



DETAIL 'C' - DIRECT BURIED DUCTBANK
N.T.S.



DETAIL 'D' - GROUNDING GRID AND ROD
N.T.S.

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATER MAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			COMMUNIC. CABLES		
CONT. CLEAN WATER					

REVISIONS		
DATE	DETAILS	INIT.
MARCH 2020	30% DESIGN SUBMISSION - NOT FOR CONSTRUCTION	J.J.

LEGEND

○ MH	DENOTES HYDRO MANHOLE	+ FH	DENOTES FIRE HYDRANT
○ MS	DENOTES SEWER MANHOLE	+ WM	DENOTES WATER METER
○ MH	DENOTES TELEPHONE MANHOLE	+ WS	DENOTES WATER VALVE (Service)
○ MH	DENOTES TRAFFIC MANHOLE	+ WM	DENOTES WATER VALVE (Main)
○ MH	DENOTES WATER MANHOLE	+ GW	DENOTES GAS METER
IB	DENOTES CATCH BASIN	+ GV	DENOTES GAS VALVE
DB	DENOTES DOUBLE CATCH BASIN	+ MH	DENOTES HYDRO METER
+ LSH	DENOTES LIGHT STANDARD CONCRETE	+ PedT	DENOTES TELEPHONE PEDESTAL
+ LSH	DENOTES LIGHT STANDARD STEEL	+ PedC	DENOTES CABLE TV PEDESTAL
+ LSH	DENOTES LIGHT STANDARD WOOD	+ TH	DENOTES TRAFFIC SIGN
+ UP	DENOTES UTILITY POLE CONCRETE	+ TH	DENOTES TRAFFIC SIGNAL
+ UP	DENOTES UTILITY POLE STEEL	+ TH	DENOTES TRAFFIC SIGNAL BOX
+ UP	DENOTES UTILITY POLE WOOD	+ TH	DENOTES TESTHOLE
+ GP	DENOTES GUY POLE	+ BM	DENOTES BENCH MARK
+ GW	DENOTES GUY WIRE	+ HCP	DENOTES HORIZONTAL CONTROL POINT
+ BP	DENOTES BOLLARD	+ VCP	DENOTES VERTICAL CONTROL POINT
+ PM	DENOTES PARKING METER	+ SHRB	DENOTES SHRUB
+ BC	DENOTES TOP OF CURB	+ SC	DENOTES SEWER CLEANOUT
+ BC	DENOTES BOTTOM OF CURB	+ AV	DENOTES INVERT

DECIDUOUS AND CONIFEROUS TREES ARE DENOTED DT AND CT RESPECTIVELY. A PREFIX TO THE DESCRIPTION DESIGNATES THE NUMBER OF TREE TRUNKS WHEN TREES ARE CLUMPED TOGETHER AND A SUFFIX DENOTES THE TREE DIAMETER OR (NTS) NOT TO SCALE.

— C —	DENOTES OVERHEAD CABLE TV LINE
— G —	DENOTES GAS LINE
— H —	DENOTES OVERHEAD HYDRO LINE
— CS —	DENOTES COMBINED SEWER
— SA —	DENOTES SANITARY SEWER
— ST —	DENOTES STORM SEWER
— T —	DENOTES OVERHEAD TELEPHONE LINE
— W —	DENOTES WATER LINE

UNDERGROUND CABLE, HYDRO OR TELEPHONE LINES ARE PREFIXED WITH THE LETTER "U" (CABLE = UC HYDRO = UH TELEPHONE = UT)

ALL MONUMENTS SHOWN THUSLY □ ARE IRON BARS (B) UNLESS OTHERWISE NOTED.

SB DENOTES 25mm x 25mm x 1.22m STANDARD IRON BAR
SSB DENOTES 25mm x 25mm x 0.61m SHORT STANDARD IRON BAR
IB DENOTES 16mm x 16mm x 0.61m IRON BAR
IB DENOTES 19mm diameter x 0.61m ROUND IRON BAR
C DENOTES CUT-CROSS
SP DENOTES 5mm x 50mm STEEL PIN
SM DENOTES SURVEY MONUMENT FOUND
SM DENOTES SURVEY MONUMENT SET AND MARKED 1744
WIT DENOTES WITNESS (W) DENOTES PERPENDICULAR
(S) DENOTES SET (S) DENOTES MEASURED (O) DENOTES DEED
SSB'S SHOWN ON THIS PLAN HAVE BEEN SET IN LIEU OF SIB'S WHERE THE POSSIBILITY THAT UNDERGROUND UTILITIES EXIST.

(S/P) DENOTES SET PROPORTIONALLY (O) DENOTES ORIGIN UNKNOWN
(P) DENOTES PLAN BY (OH) DATED: July 10, 1990, Plan File: G-368.
(P) DENOTES PLAN BY (OH) DATED: July 10, 1990, Plan File: G-368.
(P) DENOTES REVISION PLAN 1192
(P) DENOTES FIELD NOTES BY (1040) DATED: Oct-10, 1975, P.175-486.
(1744) DENOTES VERHAEGEN LAND SURVEYORS
(1040) DENOTES WILLIAM J. SETTERINGTON, O.L.S.
(OH) DENOTES ONTARIO HYDRO

ELEVATIONS
ELEVATIONS SHOWN ON THIS PLAN ARE IN METRES TO CANADIAN GEODETIC DATUM

BENCH MARK
BENCH MARK 710103, ELEVATION 189.567
POST OFFICE ALONG DUNDAS STREET NORTH, TABLET IN WEST (NEAR) CONCRETE FOUNDATION, 3.26m NORTH OF SOUTHWEST CORNER, 2.13m NORTH OF DOOR, 12cm BELOW BRICK.

SITE BENCH MARK
AS SHOWN ON FACE OF PLAN

INTEGRATION DATA			
COORDINATES ARE DERIVED FROM GRID OBSERVATIONS USING THE CAN-NET NETWORK SERVICE AND ARE REFERRED TO UTM ZONE 17 (81° WEST LONGITUDE)			
COORDINATE VALUES ARE TO AN URBAN ACCURACY IN ACCORDANCE WITH SECTION 14(2) OREG 216/10			
POINT	ID	NORTHING	EASTING
GRP-A	N4655739.770	E356042.588	
GRP-B	N4655769.697	E356336.550	

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

VERHAEGEN
A MEMBER OF J.R. BARNES LTD.
www.verhaegen.com

Designed by: J.J.
Checked by: B.Y.
Date: MARCH 2020

Scale: As Shown
Drawn by: A.N.
Sheet of

Project No. 20122
Drawing No. E01

TMIG
A TYLIN INTERNATIONAL COMPANY

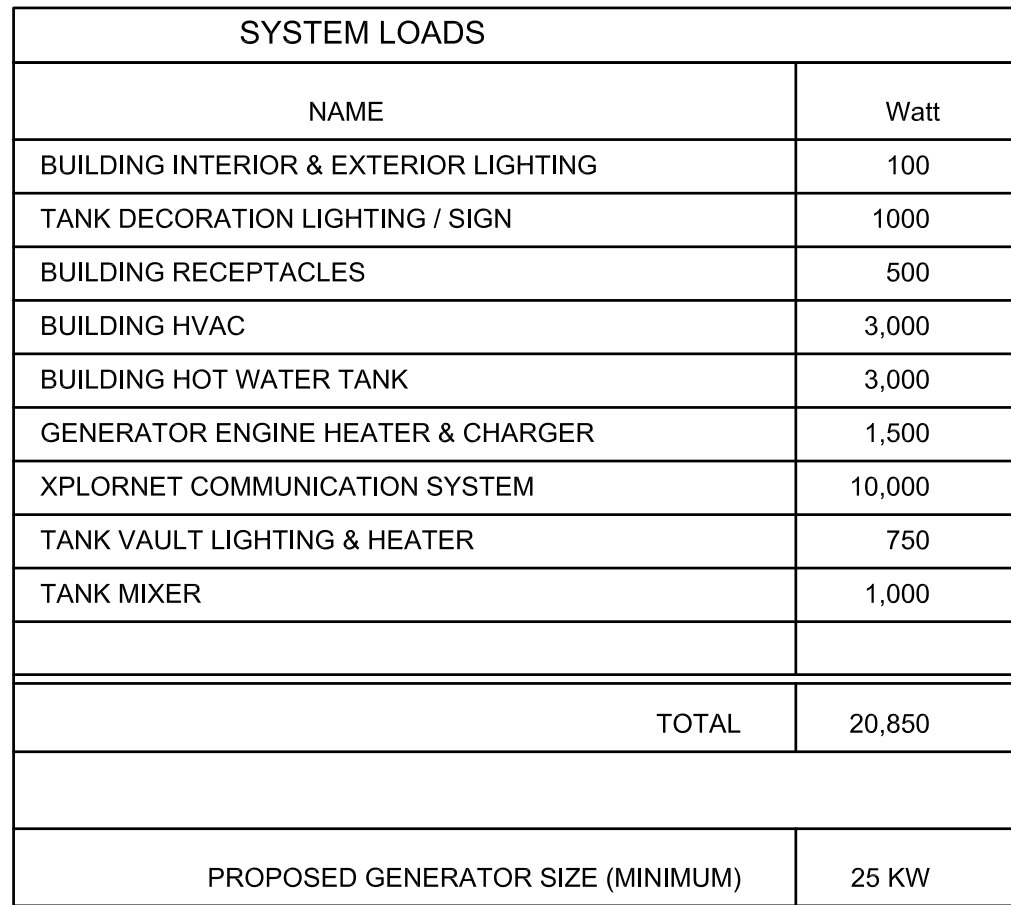
8800 Dufferin Street,
Suite 200
Vaughan, ON
L4K 0C5
p: 905.738.5700
f: 905.738.0065

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

**KINGSVILLE WATER TOWER
UTILITY BUILDING**

ELECTRICAL SITE PLAN

Page 14 of 28



LIGHTING PANEL LP SCHEDULE												
SERVICE DESCRIPTION	*	WATTS	WIRE	CKT. NO.	BRANCH CB	L1 N L2	BRANCH CB	CKT. NO.	WIRE	WATTS	*	SERVICE DESCRIPTION
EXTERIOR LIGHTING		50	#12	1	15A		60A	2	#6	-		240/120V SURGE PROTECTION DEVICE (SPD)
INTERIOR LIGHTING		-	#12	3	15A			4	#6	-		
SPARE		-	-	5	15A		15A	6	#12	-		INTERIOR RECEPTACLES
SPARE		-	-	7	15A		15A	8	#12	-		EXTERIOR RECEPTACLE
GENERATOR ENGINE HEATER		1200	#12	9	15A		15A	10	#12	1/4 HP		EXHAUST FAN
GENERATOR BATTERY CHARGER		300	#12	11	15A		15A	12	#12	50		FLOOR DRAIN TRAP SEAL
BLANK		-	-	13			15A	14	-	-		SPARE
BLANK		-	-	15			15A	16	-	-		SPARE
BLANK		-	-	17				18	#12	3000		AIR CONDITIONER (COOLING & HEATING)
BLANK		-	-	19				20	#12			
BLANK		-	-	21			15A	22	#12	3000		HOT WATER TANK
BLANK		-	-	23				24	#12			
BLANK		-	-	25			15A	26	#12	-		SPARE
SPARE		-	-	27	15A			28	#12			
PLC PANEL	*	-	#12	29	15A			30	-			BLANK
XPLORNET COMMUNICATION SYSTEM	*	-	#6	31	60A			32	-			BLANK
			#6	33				34	-			BLANK
CATHODIC PROTECTION PANEL	*		#12	35	15A			36	-			BLANK
TANK DECORATION LIGHTING CIRCUIT #1	*	500	#12	37	15A			38	-			BLANK
TANK DECORATION LIGHTING CIRCUIT #2	*	500	#12	39	15A			40	-			BLANK
ELECTRIC HEATER IN TANK VAULT	*	750	#12	41	15A			42	-			BLANK
<												

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
MARCH 2020	30% DESIGN SUBMISSION - NOT FOR CONSTRUCTION	J.J.

KINGSVILLE WATER TOWER KEY PLAN N.T.S.

PULFORD ST

LEGEND

- MH DENOTES HYDRO MANHOLE
- SHS DENOTES SENDER MANHOLE
- MHT DENOTES TELEPHONE MANHOLE
- MTR DENOTES TRAFFIC MANHOLE
- MMH DENOTES WATER MANHOLE
- CB DENOTES CATCH BASIN
- DCB DENOTES DOUBLE CATCH BASIN
- LSH DENOTES LIGHT STANDARD CONCRETE
- LSS DENOTES LIGHT STANDARD STEEL
- LSL DENOTES LIGHT STANDARD WOOD
- UPS DENOTES UTILITY POLE CONCRETE
- UPSS DENOTES UTILITY POLE STEEL
- UPSL DENOTES UTILITY POLE WOOD
- GP DENOTES GUY POLE
- GW DENOTES GUY WIRE
- BDL DENOTES BOLLARD
- PM DENOTES PARKING METER
- DC DENOTES TOP OF CURB
- BC DENOTES BOTTOM OF CURB
- + FH DENOTES FIRE HYDRANT
- + HW DENOTES WATER METER
- + WS DENOTES WATER VALVE (Service)
- + WW DENOTES WATER VALVE (Main)
- + GM DENOTES GAS METER
- + GV DENOTES GAS VALVE
- + HU DENOTES HYDRO METER
- + PFD DENOTES TELEPHONE PEDESTAL
- + PFTCV DENOTES CABLE TV PEDESTAL
- + TS DENOTES TRAFFIC SIGN
- + THS DENOTES TRAFFIC SIGNAL
- + THSB DENOTES TRAFFIC SIGNAL BOX
- + TB DENOTES TESTHOLE
- + BM DENOTES BENCH MARK
- + HCP DENOTES HORIZONTAL CONTROL POINT
- + VCP DENOTES VERTICAL CONTROL POINT
- + SHRUB DENOTES SHRUB
- + SC DENOTES SEWER CLEANOUT
- AV DENOTES INVERT

DECIDUOUS AND CONIFEROUS TREES ARE DENOTED BY DB AND CT RESPECTIVELY.
 A PREFIX TO THE DISCRESSION DESIGNATES THE NUMBER OF TREE TRUNKS WHEN TREES ARE CLUMPED TOGETHER AND A SUFFIX DENOTES THE TREE DIAMETER OR (NTS) NOT TO SCALE.

C	C	C	DENOTES OVERHEAD CABLE LINE
-C	(size) -dia	H	DENOTES HYDRO HOLO LINE
-H	(size) -dia	CS	DENOTES COMBINED SEWER
-SA	(size) -dia	ST	DENOTES STREET SEWER
-SF	(size) -dia	T	DENOTES TELEPHONE LINE
-T	(size) -dia		

UNDERGROUND CABLE, HYDRO OR TELEPHONE LINES ARE PREFIXED WITH THE LETTER "u"
 (CABLE = uC HYDRO = uH TELEPHONE = uT)

ALL MONUMENTS SHOWN THUSLY □ ARE IRON BARS (B) UNLESS OTHERWISE NOTED.

- 538 DENOTES 50mm X 25mm X 1.2m STANDARD IRON BAR
- 538S DENOTES 25mm X 25mm X 0.61m SHORT STANDARD IRON BAR
- # DENOTES 16mm X 16mm X 0.61m IRON BAR
- # DENOTES 19mm diameter X 0.61m ROUND IRON BAR
- DENOTES CUT-CROSS
- DENOTES 50mm X 50mm STEEL PIN
- DENOTES SURVEY MONUMENT FOUND
- DENOTES SURVEY MONUMENT SET AND MARKED 1744
- Mt DENOTES WITNESS
- (1) DENOTES SET
- (2) DENOTES MEASURED
- (3) DENOTES DEED
- DBP DENOTES OBSERVED REFERENCE POINT
- SSB'S SHOWN ON THIS PLAN HAVE BEEN SET IN LIEU OF SIB'S WHERE THE POSSIBILITY THAT UNDERGROUND UTILITIES EXIST.
- (5/P) DENOTES SET PROPORTIONALLY
- (60) DENOTES ORIGIN UNKNOWN
- (9) DENOTES PLAN OF SURVEY BY (1744) Dated: July 10, 1999. Plan File: G-368.
- (92) DENOTES PLAN 128-22396
- (92) DENOTES PLAN BY (Old) Dated: Aug. 1, 1951. Plan File: 203-5462.
- (93) DENOTES REGISTERED PLAN 1182
- (93) DENOTES FIELD NOTES BY (1040) Dated: Oct.10, 1975. FNTS-486.
- 11744 DENOTES VERHAEGEN LAND SURVEYORS
- (1040) DENOTES WILLIAM J. SETTERINGTON, O.L.S.
- (94) DENOTES

ELEVATIONS

ELEVATIONS SHOWN ON THIS PLAN ARE IN METRES TO CANADIAN GEODETIC DATUM

BENCH MARK

BENCH MARK 711013, ELEVATION 189.567
 POST OFFICE ALONG DIVISION STREET NORTH, TABLET IN WEST (REAR)
 CONCRETE FOUNDATION, 3.26m NORTH OF SOUTHWEST CORNER, 2.13m NORTH OF DOOR, 12cm BELOW CURB

SITE BENCH MARK

AS SHOWN ON FACE OF PLAN

INTEGRATION DATA

COORDINATES ARE DERIVED FROM GRID OBSERVATIONS USING THE CAN-NET NETWORK SERVICE AND ARE REFERRED TO UTM ZONE 17 (81° WEST LONGITUDE)		
COORDINATE VALUES ARE TO AN URBAN ACCURACY IN ACCORDANCE WITH SECTION 14(2) OREG 216/10		
POINT ID	NORTHING	EASTING
ORP-A	N44655739.770	E3586042.588
ORP-B	N44655769.697	E3586336.550

COORDINATES CANNOT, IN SOME CASES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

VERHAEGEN
LAND SURVEYORS
INCORPORATED
1750 SHEPPARD AVENUE EAST
SUITE 100
SCARBORO, ONTARIO M1S 1T4
www.verhaegen.com

REGISTERED PROFESSIONAL
VERHAEGEN INC. REG. NO. 1000
1000 SHEPPARD AVENUE EAST
SUITE 100
SCARBORO, ONTARIO M1S 1T4
TEL: (416) 298-7172
FAX: (416) 298-7678

Designed by _____
 Checked _____
 Approved by _____

TYLIN INTERNATIONAL COMPANY

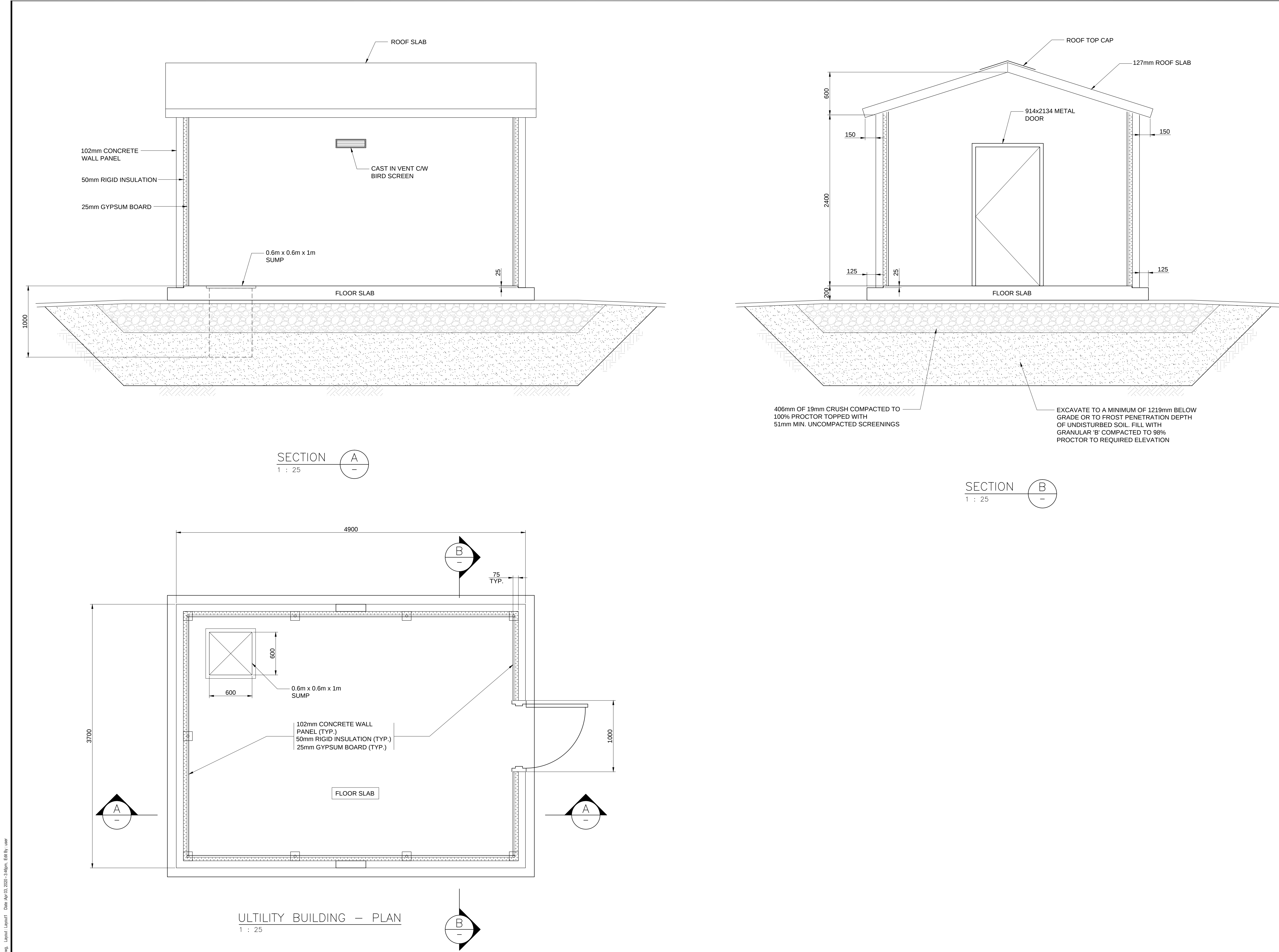
8800 Dufferin Street,
Suite 200
Vaughan, ON
L4K 0C5

p: 905.738.5700
f: 905.738.0065

ONTARIO CLEAN WATER AGENCY
AGENCE OTARIENNE DES EAUX

KINGSVILLE WATER TOWER UTILITY BUILDING ELECTRICAL SLD

Designed by: J.J. Scale: As Shown Project No. 20122
 Checked by: B.Y. Drawn by: A.N. Drawing No. E03
 Date: MARCH 2020 Sheet of



SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
SAN SEWERS			GAS MAINS		
STORM SEWERS			BELL U/G CABLE		
WATERMAINS			HYDRO U/G CABLE		
TRANSIT			HYDRO ONE		
PARKS & REC.			CTV		
ONT. CLEAN WATER			COMMUNIC. CABLES		

REVISIONS		
DATE	DETAILS	INIT.
MARCH 2020	30% DESIGN SUBMISSION - NOT FOR CONSTRUCTION	J.J.

KINGSVILLE WATER TOWER KEY PLAN N.T.S.

LEGEND

○ MH	DENOTES HYDRO MANHOLE	◆ FH	DENOTES FIRE HYDRANT
○ MS	DENOTES SEWER MANHOLE	◆ MW	DENOTES WATER METER
○ MHT	DENOTES TELEPHONE MANHOLE	◆ MVS	DENOTES WATER VALVE (Service)
○ MHTF	DENOTES TRAFFIC MANHOLE	◆ MWS	DENOTES WATER VALVE (Main)
○ MHW	DENOTES WATER MANHOLE	◆ GM	DENOTES GAS METER
IB	DENOTES CATCH BASIN	◆ GV	DENOTES GAS VALVE
DB	DENOTES DOUBLE CATCH BASIN	◆ HM	DENOTES HYDRO METER
◆ LSC	DENOTES LIGHT STANDARD CONCRETE	◆ PHT	DENOTES TELEPHONE PEDESTAL
◆ LSW	DENOTES LIGHT STANDARD WOOD	◆ PHTV	DENOTES CABLE TV PEDESTAL
◆ LUP	DENOTES UTILITY POLE CONCRETE	◆ TH	DENOTES TRAFFIC SIGN
◆ LUPW	DENOTES UTILITY POLE WOOD	◆ THS	DENOTES TRAFFIC SIGNAL
◆ GP	DENOTES GUY POLE	◆ THS	DENOTES TRAFFIC SIGNAL BOX
◆ GPW	DENOTES GUY WIRE	◆ TH	DENOTES TESTHOLE
○ B	DENOTES BOLLARD	◆ BM	DENOTES BENCH MARK
◆ PM	DENOTES PARKING METER	△ HCP	DENOTES HORIZONTAL CONTROL POINT
◆ SC	DENOTES BOTTOM OF CURB	○ VCP	DENOTES VERTICAL CONTROL POINT
◆ IN	DENOTES INVERT	◆ SH	DENOTES SHRUB
		◆ SC	DENOTES SEWER CLEANOUT

DECIDUOUS AND CONIFEROUS TREES ARE DENOTED DT AND CT RESPECTIVELY. A PREFIX TO THE DESCRIPTION DESIGNATES THE NUMBER OF TREE TRUNKS WHEN TREES ARE CLUMPED TOGETHER AND A SUFFIX DENOTES THE TREE DIAMETER OR (NTS) NOT TO SCALE.

— C —	— C —	— C —	DENOTES OVERHEAD CABLE TV LINE
— (SMA HWS) —	— G —	— G —	DENOTES GAS LINE
— H —	— H —	— H —	DENOTES OVERHEAD HYDRO LINE
— CS —	— CS —	— CS —	DENOTES COMBINED SEWER
— SA —	— SA —	— SA —	DENOTES SANITARY SEWER
— ST —	— ST —	— ST —	DENOTES STORM SEWER
— T —	— T —	— T —	DENOTES OVERHEAD TELEPHONE LINE
— W —	— W —	— W —	DENOTES WATER LINE

UNDERGROUND CABLE, HYDRO OR TELEPHONE LINES ARE PREFIXED WITH THE LETTER "U" (CABLE = UC HYDRO = UH TELEPHONE = UT)

ALL MONUMENTS SHOWN THUSLY □ ARE IRON BARS (B) UNLESS OTHERWISE NOTED.

SB DENOTES 25mm X 25mm X 1.22m STANDARD IRON BAR

SBS DENOTES 25mm X 25mm X 0.61m SHORT STANDARD IRON BAR

B DENOTES 16mm X 16mm X 0.61m IRON BAR

B • DENOTES 19mm diameter X 0.61m ROUND IRON BAR

CS DENOTES CUT-CROSS

CP DENOTES 5mm X 50mm STEEL PIN

■ DENOTES SURVEY MONUMENT FOUND

□ DENOTES SURVEY MONUMENT SET AND MARKED 1744

WT DENOTES WITNESS

JA DENOTES PERPENDICULAR

CS DENOTES SET

MO DENOTES MEASURED

DE DENOTES DEED

OPR DENOTES OBSERVED REFERENCE POINT

SSB'S SHOWN ON THIS PLAN HAVE BEEN SET IN LIEU OF SIB'S WHERE THE POSSIBILITY THAT UNDERGROUND UTILITIES EXIST

CS/P DENOTES SET PROPORTIONALLY

MO DENOTES ORIGIN UNKNOWN

CP DENOTES PLAN OF SURVEY BY (1744) Dated: July 10, 1990, Plan File: G-368.

P1 DENOTES PLAN 122-22399

P2 DENOTES PLAN BY (CH) Dated: Aug. 1, 1951, Plan File: 203-4362.

P3 DENOTES REGISTERED PLAN 119

P4 DENOTES FIELD NOTES BY (1040) Dated: Oct10, 1975, FN75-486.

(1744) DENOTES VERHAEGEN LAND SURVEYING

(1040) DENOTES WILLIAM J. SETTERINGTON, O.L.S.

(CH) DENOTES ONTARIO HYDRO

ELEVATIONS

ELEVATIONS SHOWN ON THIS PLAN ARE IN METRES TO CANADIAN GEODETIC DATUM

BENCH MARK

BENCH MARK 71U103, ELEVATION 189.567

POST OFFICE ALONG DUNDAS STREET NORTH, TABLET IN WEST (REAR) CONCRETE FOUNDATION, 3.26m NORTH OF SOUTHWEST CORNER, 2.13m NORTH OF DOOR, 12cm BELOW BRICK.

SITE BENCH MARK

AS SHOWN ON FACE OF PLAN

INTEGRATION DATA			
COORDINATES ARE DERIVED FROM GRID OBSERVATIONS USING THE CAN-NET NETWORK SERVICE AND ARE REFERRED TO UTM ZONE 17 (81° WEST LONGITUDE)			
COORDINATE VALUES ARE TO AN URBAN ACCURACY IN ACCORDANCE WITH SECTION 14(2) OREG 216/10			
POINT	ID	NORTHING	EASTING
ORP-A		N4655739.770	E366042.588
ORP-B		N4655769.697	E366336.550

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

Designed by: _____ Chkd: _____ Approved by: _____

TMIG
A TYLINT INTERNATIONAL COMPANY

8800 Dufferin Street,
Suite 200
Vaughan, ON
L4K 0C5
p: 905.738.5700
f: 905.738.0065

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

KINGSVILLE WATER TOWER UTILITY BUILDING
PLAN & SECTIONS

Designed by: J.J.	Scale: As Shown	Project No. 20122
Checked by: B.Y.	Drawn by: S.W.	
Date: MARCH 2020	Sheet of	Drawing No.

HYDRO ONE

CLASS A – ELIGIBILITY

JUNE 2020

Union Water Supply SystemAccount Number: **200141677460**Service Address: **1615 UNION AVE GOSFIELD SOUTH**

We have determined that your service has met the eligibility requirements for qualification into the 'Industrial Conservation Initiative' (ICI), also referred to as 'Class A', for the upcoming 2020/2021 adjustment period. As a 'Class A' customer under the criteria detailed in [Ontario Regulation 429/04](#) under the *Electricity Act, 1998*, you will pay for the Global Adjustment charge based on your calculated Peak Demand Factor which represents your contribution to the five coincident system peaks that occurred during the previous 'base period'.

Note: If your business operations have been impacted by the COVID-19 pandemic, please take these impacts into consideration when making your submission.

To Help With Your Opt In Decision**Industrial Conservation Initiative Video & Presentation**

Please check out our [Industrial Conservation Initiative video](#) designed to help you understand the Class A methodology for Global Adjustment billing.

How We Determined Your Eligibility

Greater than 1000kW with no industry sector restrictions during base period May 1, 2019 to April 30, 2020

Month	Peak Demand kW
May 2019	1,105.966
June 2019	1,222.186
July 2019	1,333.003
August 2019	1,283.824
September 2019	1,219.650
October 2019	1,104.642
November 2019	827.875
December 2019	686.956
January 2020	710.222
February 2020	988.863
March 2020	1,096.042
April 2020	1,197.266
Average Demand	1,064.708

How We Calculated Your Peak Demand Factor

Your Peak Demand Factor (PDF) is calculated by dividing your total five coincident peaks by the total five system peaks over the base period.

Date	Hour (EST)	Coincident Peak (kW)	Coincident Peak (MW)	Ontario System Peaks (MW)
Highest Peaks for Ontario from May to April	Hour Ending for the Highest Peak	Customer's Coincident use		
July 5, 2019	17	1,242.034	1.242	22,294.117
July 20, 2019	17	1,127.909	1.128	22,103.422
July 29, 2019	17	971.993	0.972	22,129.068
July 19, 2019	12	1,124.380	1.124	22,367.840
July 4, 2019	18	1,131.437	1.131	21,683.869
	TOTALS	5,597.752	5.598	110,578.316
Peak Demand Factor		5.598	divided by	110,578.316
JULY 2020 to JUNE 2021		0.00005062		

Class A vs Class B Estimated Billing Comparison

The below shows a comparison of your calculated Global Adjustment charge as a Class B customer and as a Class A during the previous base period

NOTE: the below analysis is based on historical Global Adjustment values and your historical usage, the results could significantly change if your usage were to fluctuate considerably.

Notice about Global Adjustment Cost Deferral

	Class B - Global Adjustment			Class A - Global Adjustment			
Comparison	MWh	Global Adjustment Rate (\$/MWh)	Global Adjustment Bill	Peak Demand Factor	Global Adjustment \$/Month	Global Adjustment Bill	% Change
May 2019	402.963	\$126.04	\$50,789.43	0.00005062	\$1,133,338,850.68	\$57,369.61	12.96%
June 2019	451.760	\$137.28	\$62,017.63	0.00005062	\$1,261,258,483.80	\$63,844.90	2.95%
July 2019	579.302	\$96.45	\$55,873.69	0.00005062	\$1,149,601,975.80	\$58,192.85	4.15%
August 2019	534.504	\$126.07	\$67,384.88	0.00005062	\$1,327,699,023.65	\$67,208.12	-0.26%
September 2019	449.945	\$122.63	\$55,176.74	0.00005062	\$1,082,932,624.75	\$54,818.05	-0.65%
October 2019	381.852	\$136.80	\$52,237.37	0.00005062	\$1,209,627,873.79	\$61,231.36	17.22%
November 2019	310.682	\$99.53	\$30,922.20	0.00005062	\$978,996,483.99	\$49,556.80	60.26%
December 2019	293.833	\$93.21	\$27,388.17	0.00005062	\$1,000,214,370.31	\$50,630.85	84.86%
January 2020	316.612	\$102.32	\$32,395.73	0.00005062	\$1,107,811,320.23	\$56,077.41	73.10%
February 2020	357.349	\$113.31	\$40,491.23	0.00005062	\$1,136,656,136.96	\$57,537.53	42.10%
March 2020	400.012	\$119.42	\$47,769.47	0.00005062	\$1,168,474,730.66	\$59,148.19	23.82%
April 2020	434.455	\$115.00	\$49,962.28	0.00005062	\$979,731,319.57	\$49,594.00	-0.74%
			\$572,408.82			\$685,209.69	19.71%
	Savings on Class A		\$-112,800.88				
	Savings Including HST		\$-127,464.99				

To provide immediate, temporary relief on the cost of power, a portion of the Global Adjustment charge has been deferred for April, May and June 2020. Class A customers will receive a reduction in Global Adjustment charges proportionate with the reduction received each month by non-Regulated Price Plan Class B customers. The Class B rate will not exceed \$115/MWh.

The April comparison above reflects the deferred Global Adjustment amounts. The Class A deferred amount for April is \$303,010,758.48.

For more information, please visit www.ieso.ca/en/Sector-Participants/Settlements/Global-Adjustment-for-Class-B and www.hydroone.com/GADeferral.

How to Opt In or Opt Out

Please complete the [online form](#) no later than **June 15, 2020** in order to determine your position. Please note that this email may have been sent to multiple individuals in your organization. We ask that only one submission is made for the account.

UW/17/20

To: Chair and Members of the Union Water Supply
System Joint Board of Management

From: Rodney Bouchard, Union Water Manager

Date: June 12, 2020

Re: Payments for the UWSS from May 27th to June 12, 2020



Aim:

To provide the Board with a copy of payments made by the Union Water Supply System from May 27th to June 12th, 2020

Recommendation:

For information purposes.

Respectfully submitted,

Rodney Bouchard, Manager
Union Water Supply System Joint Board of Management
/kmj

Council/Board Report By Dept-(Computer)



AP5130

Page : 19

Date : Jun 02, 2020

Page 24 of 28

Time 11:36 am

Vendor : 0011450 To PT00000191

Batch : All

Department : All

Cheque Print Date : 27-May-2020 To 02-Jun-2020

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name Description					Batch Invc Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name				Amount
DEPARTMENT 0700 Union Water System								
010103 ASSOCIATED ENGINEERING (ONT) LTD								
527543	CO2 PH ADJUSTMENT - MAY8					265 14-May-2020	27-May-2020	
70-7-0700-8745	700200			Treatment Plant				4,799.00
527545	DAF RETROFIT PH 1 - MAY8					265 14-May-2020	27-May-2020	
70-7-0700-8745	700220			Treatment Plant				4,228.91
180325 RICOH CANADA INC								
SCO92807680	COPIER CONTRACT - MAR24-APR30					265 30-Apr-2020	27-May-2020	
70-5-0700-7010	002070			Office Supplies				87.21
230440 WILLIS BUSINESS LAW								
13042	COVID 19/PRIVACY POLICY					265 30-Apr-2020	27-May-2020	
70-5-0700-7950	002070	008002		Professional Services				7,710.81
Department Totals :								16,825.93



Vendor : 0011450 To PT00000191

Batch : All

Department : All

EFT Paid Date : 27-May-2020 To 02-Jun-2020

Bank : 07 To 08

Class : All

Vendor Code	Vendor Name		Description		Batch	Inv Date	Inv Due Date	Amount
Invoice No.	CC1	CC2	CC3	GL Account Name				
G.L. Account								
DEPARTMENT 0700	Union Water System							
040094	DIGITAL WATER SOLUTIONS INC							
DW11919-1	DISTRIBUTION SYSTEM MONITORING HARDWARE				274	28-Feb-2020	27-May-2020	
70-7-0700-8750	002206			Watermains				90,028.51
050099	ENBRIDGE GAS INC							
1929770177678	635M3 GAS - COTTAM BOOSTER STATION				274	12-May-2020	27-May-2020	
70-5-0700-7410	002073			Gas				209.70
1929770208308	15597M3 GAS - RUTHVEN WTP				274	22-May-2020	27-May-2020	
70-5-0700-7410	002073			Gas				4,566.12
050195	ESSEX POWERLINES CORPORATION							
220651-MAY20	294KWH - METER#4				281	20-May-2020	01-Jun-2020	
70-5-0700-7420	002073			Electricity				-28.79
70-5-0700-7420	002073			Electricity				102.31
253800-MAY20	0KWH - METER#23				281	20-May-2020	01-Jun-2020	
70-5-0700-7420	002073			Electricity				-12.10
70-5-0700-7420	002073			Electricity				42.99
080250	HYDRO ONE NETWORKS INC							
200208899066-I	MAY/20 HYDRO - METER#16				274	14-May-2020	27-May-2020	
70-5-0700-7420	002073			Electricity				127.94
70-5-0700-7420	002073			Electricity				-36.00
200220161473-I	MAY/20 HYDRO - METER#14				274	25-May-2020	27-May-2020	
70-5-0700-7420	002073			Electricity				-11.70
70-5-0700-7420	002073			Electricity				41.58
160230	N J PERALTA ENGINEERING LTD							
20-077	PARKING LOT - MAY15				274	20-May-2020	27-May-2020	
70-7-0700-8745	700035			Treatment Plant				7,410.54
150365	ONTARIO CLEAN WATER AGENCY							
INV0000000189	ENG. SERV. - KINGSVILLE WATER TOWER				274	30-Apr-2020	27-May-2020	
70-7-0700-8710				Kingsville Water Tower				38,514.73
190635	STANTEC CONSULTING LTD							
1498572	DRAWINGS - MAY15				274	22-May-2020	27-May-2020	
70-5-0700-7950	002070			Professional Services				801.80
Department Totals :								141,757.63

Council/Board Report By Dept-(Computer)



AP5130

Page : 25

Date : Jun 12, 2020

Page 26 of 28

Time 11:59 am

Vendor : 0011450 To PT00000193

Batch : All

Department : All

Cheque Print Date : 10-Jun-2020 To 12-Jun-2020

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name Description					Batch Invc Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name				Amount
DEPARTMENT 0700 Union Water System								
020120 BELL MOBILITY CELLULAR								
514877178-JUI MONTHLY CELL PHONE CHARGES						284 01-Jun-2020	10-Jun-2020	
70-5-0700-7110	002070	002083		Telecommunications Usage				21.97
050003 E.L.K. ENERGY INC								
40010915-MAY 3443KWH - ESSEX WATER TOWER						285 01-Jun-2020	10-Jun-2020	
70-5-0700-7420	002073			Electricity				-110.41
70-5-0700-7420	002073			Electricity				392.33
40047150-MAY 1941KWH - METER #9						285 01-Jun-2020	10-Jun-2020	
70-5-0700-7420	002073			Electricity				-64.67
70-5-0700-7420	002073			Electricity				229.81
51976611-MAY 2213KWH - KINGSVILLE WATER TOWER						285 01-Jun-2020	10-Jun-2020	
70-5-0700-7420	002073			Electricity				-98.29
70-5-0700-7420	002073			Electricity				349.27
90006300-MAY 36960KWH - COTTAM BOOSTER STATION						285 01-Jun-2020	10-Jun-2020	
70-5-0700-7420	002073			Electricity				-1,373.08
70-5-0700-7420	002073			Electricity				4,879.17
Department Totals :								4,226.10



Vendor : 0011450 To PT00000193
Batch : All
Department : All

EFT Paid Date : 10-Jun-2020 To 12-Jun-2020
Bank : 07 To 08
Class : All

Vendor Code	Vendor Name		Description		Batch	Inv Date	Inv Due Date	Amount
Invoice No.	CC1	CC2	CC3	GL Account Name				
G.L. Account								
DEPARTMENT 0700 Union Water System								
050099 ENBRIDGE GAS INC								
1929770217397 1341M3 GAS - LOW LIFT					286	24-Apr-2020	10-Jun-2020	
70-5-0700-7410 002073 Gas								406.62
1929770217397 CREDIT - LOW LIFT					286	24-Apr-2020	10-Jun-2020	
70-5-0700-7410 002073 Gas								-536.73
1929770217397 672M3 GAS - LOW LIFT					286	26-May-2020	10-Jun-2020	
70-5-0700-7410 002073 Gas								220.15
080250 HYDRO ONE NETWORKS INC								
200141677460-I MAY/20 HYDRO - RUTHVEN WATER TREATMENT PLANT					286	08-Jun-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								71,814.21
200141680692-I MAY/20 HYDRO - LOW LIFT					286	08-Jun-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-25.76
70-5-0700-7420 002073 Electricity								37,632.36
200141680894-I MAY/20 HYDRO - LEAMINGTON WATER TOWER					286	01-Jun-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-149.18
70-5-0700-7420 002073 Electricity								530.08
200141681706-I MAY/20 HYDRO - METER#2					286	29-May-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								54.55
70-5-0700-7420 002073 Electricity								-15.35
200141682009-I MAY/20 HYDRO - ALBUNA WATER TOWER					286	01-Jun-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-306.17
70-5-0700-7420 002073 Electricity								1,087.93
200141683019-I MAY/20 HYDRO - METER#3					286	01-Jun-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-13.60
70-5-0700-7420 002073 Electricity								48.32
200141683120-I MAY/20 HYDRO - METER#5					286	01-Jun-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-11.83
70-5-0700-7420 002073 Electricity								42.03
200141683423-I MAY/20 HYDRO - METER#6					286	01-Jun-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-12.77
70-5-0700-7420 002073 Electricity								45.37
200141683524-I MAY/20 HYDRO - METER#8					286	29-May-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-13.90
70-5-0700-7420 002073 Electricity								49.42
200141683726-I MAY/20 HYDRO - METER#15					286	26-May-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								44.67
70-5-0700-7420 002073 Electricity								-12.57
200141687362-I MAY/20 HYDRO - METER#22					286	29-May-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-11.41
70-5-0700-7420 002073 Electricity								40.57
200141687766-I MAY/20 HYDRO - METER#29					286	29-May-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-13.64
70-5-0700-7420 002073 Electricity								48.46
200141687867-I MAY/20 HYDRO - METER#24					286	29-May-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-11.36
70-5-0700-7420 002073 Electricity								40.38
200141690190-I MAY/20 HYDRO - METER#26					286	28-May-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-19.64
70-5-0700-7420 002073 Electricity								69.80
200152134969-I MAY/20 HYDRO - METER #17					286	08-Jun-2020	10-Jun-2020	
70-5-0700-7420 002073 Electricity								-12.60
70-5-0700-7420 002073 Electricity								44.77



Vendor : 0011450 To PT00000193

Batch : All

Department : All

EFT Paid Date : 10-Jun-2020 To 12-Jun-2020

Bank : 07 To 08

Class : All

Vendor Code	Vendor Name				Batch	Inv Date	Inv Due Date	Amount
Invoice No.	Description							
G.L. Account	CC1	CC2	CC3	GL Account Name				
DEPARTMENT 0700	Union Water System							
190185	SGS CANADA INC. ENVIRONMENTAL SERVICES							
11335404	WATER QUALITY STUDIES CORROSION-KINGSVILLE				286	26-May-2020	10-Jun-2020	
70-5-0700-7950	002075			Professional Services				98.31
11335406	WATER QUALITY STUDIES CORROSION-LAKESHORE				286	26-May-2020	10-Jun-2020	
70-5-0700-7950	002075			Professional Services				98.31
11335409	WATER QUALITY STUDIES CORROSION-LEAMINGTON				286	26-May-2020	10-Jun-2020	
70-5-0700-7950	002075			Professional Services				116.96
11335539	WATER QUALITY STUDIES CORROSION-ESSEX				286	26-May-2020	10-Jun-2020	
70-5-0700-7950	002075			Professional Services				98.31
190755	SUN LIFE ASSURANCE COMPANY OF CANADA							
JUN-20	JUN/20 UNION WATER LOAN 3724:1				286	01-Jun-2020	10-Jun-2020	
70-5-0700-6100	002010	006901		Debenture Interest				101,085.70
70-5-0700-6000	002020	006901		Debenture Principal				134,042.19
Department Totals :								346,592.96