



TENDER T-2025-42

Burgess 1 Dam Rehabilitation

DATE: November 10th, 2025

ADDENDUM #3

This addendum will become part of the Tender T-2025-42

Part 1 – Clarification of RFP

Tender Section E Clause 20.0 BUILDING PERMITS AND INSPECTIONS states that the Contractor shall be responsible for applying for all building permits and scheduling all building inspections associated with the work as part of the Work outlined in this Tender. The Contractor is also responsible for all applications and fees paid to the Township of Muskoka Lakes as part of completing the Work outlined within this Tender. Costs associated with permitting and applications shall be included in the unit rates provided in FT8.2.

For bidding clarity purposes the dam, spillway and retaining structures are all integral to the dam and power generation and will not require building permit. The material changes to the building including structural and roof improvements works on the building itself will require a building permit, and fees will be calculated at \$11/\$1000 of the estimated construction value of these works. It is noted that this is provided for informational purposes only and the actual permit fees will be calculated at the time of application and will be the responsibility of the bidder.

Part 2 – Questions Received

The following clarifications are provided to Questions received as of November 4, 2025. Additional questions will be answered if required in subsequent addenda.

Q1. Could you please provide additional information regarding Item 9.4 - Supply and Install DYWIDAG Strand Anchors? In our opinion, the missing information concerns the connection detailing of the anchor head. Specifically, does the anchor head need to be recessed below the powerhouse floor (we assume this would be preferred but it is very costly), or can it protrude above the floor?

A1. Anchors are not required to be recessed into the floor. The contractor shall provide and install a 3'-tall, ½"-diameter marker to clearly identify the tripping hazard.

Q2. Would it be possible to provide more details regarding the removable hatches intended for equipment servicing or replacement? What material should they be made from and should they be insulated?

A2. See detail attached.

Q3. Item 7.2 the title and Addendum 2 requires the contractor to re-install equipment in the powerhouse. However, SP7.2 only contain description of removal/storage equipment. Would the Town to provide existing powerhouse electrical As-built drawing to facilitate equipment removal/reinstallation scopes?

A3. There is no as-built electrical drawing for the power plant. The only information related to the power plant can be found in the powerplant report attached to the EA.

Q4. Can we get access to the gate to evaluate the existing powerhouse exterior wall condition to provide a better strategy and price for painting work?

A4. Access was provided to the site during the bid meeting, should Proponents wish to visit the site it is visible from River Street.

Q5. If power wash allowed for clearing up the powerhouse exterior walls? Is any restrictions?

A5. Power washing is acceptable for clearing up the powerhouse exterior walls, however the Contractor must ensure that power washing does not damage the structure or surrounding area in any way and will be responsible for rectifying any damages caused.

Q6. For the 4 strand anchors mentioned in the addendum 2, what is the bond zone and free length required?

A6. Bond length shall be 2/3 the total anchor length. Free length to be 1/3 total anchor length.

Q7. Can you provide a detail for the end of the anchors that will be sticking up in the powerhouse, how would the owner like anchor head finished? Ie. Cap and grease, leave it open and accessible etc.?

A7. See answer above

Q8. What is the anchor lock off load?

A8. Lock off load is 70% of ultimate tensile strength

Q9. What are anchor testing requirements?

A9. Minimum 1 anchor to be tested.

Q10. What are the post grouting requirements for the anchors? Sika 212 is not as flowable considering the high water table. We recommend Sika MS cable grout instead.

A10. Sika MS cable grout is acceptable.

Q11. Other than portable drilling equipment, any restrictions to the type of equipment that can be used?

A11. It is the Contractor's responsibility to select the suitable drilling equipment to complete the Work to meet the IFC drawing and Specs.

Q12. Please specify SAN and STM pipe material if it's PVC.

A12. Based on available as-built record drawings, exiting sanitary pipe is PVC SDR35 pipe and shall be relaced in-kind. Storm sewer pipe shall be as specified for new construction. Storm sewer pipe for replacement shall be in-kind or with PVC SDR35 pipe with appropriate watertight couplings.

Q13. Item 7.2 - our understanding of Addendum 2 answer A2 is that Tenant/Operator will do the decommissioning and commissioning of the existing equipment. Is that means the contractor has no point of carrying the cost of an electrician service to disconnection and reconnection of the equipment electrically?

A13. The Contractor will coordinate with the Tenant/Operator for decommissioning and re-installation. The efforts including electrician service should be considered by the Contractor.

Q14. Please provide the specification of the 2 roof hatches 10' x 10' to be installed on the roof.

A14. See response for Q2 above.

Q15. Please provide detail drawings and specifications of parapet farming, flashing around the removable 2 opening on the roof and lugs.

A15. See response for Q2 above.

Q16. Item 9.5 Painting of Building- as per Addendum 2 answer A29, please confirm the painting scope is only for the external walls, and this item will not include the painting of overhead door and other openings around the building.

A16. Painting is only for external walls.

Q17. Please clarify any grout requirements for the post tension anchors

A17. See response for Q10 above.

Q18. Specifically type of grout, compressive strength, any pressure grouting requirements, water testing of the drilled holes, etc. . These are project specific and are not specified by the manufacturer.

A18. See response for Q2 above.

Q19. As confirmed by DYWIDAG “...we do not supply hot-dip galvanized strands. Was the intent for bare strands or DCP with threadbar?”

A19. Bare strands was the intent.

Q20. Anchor head connection detailing: Does the anchor head need to be recessed below the slab?

A20. See response for Q2 above.

Q21. Please provide the overhead door clearance measurement.

A21. 94" tall 120" wide

Q22. Provide new staircase drawing and specification of the timber to be use.

A22. The preparation for the new staircase drawings and specification is in progress and will be provided in a future Addendum.

Q23. Do we need to remove the existing upstream deck frame?

A23. See above for Q22

Q24. Please provide upstream deck rebuild drawing and specification of the timber to be use.

A24. See above for Q22

Q25. Dwg S1 and SP 10.1 provisional Support Exist Sanitary Sewer and SP10.2 provisional Support Exist Watermain. Given the depth of the proposed north retaining wall and proximity of the existing watermain & sanitary sewer, it likely isn't feasible to support the watermain & sanitary sewer during the excavation for the retaining wall. Can you please review and look at the possibility of introducing a tender item to isolate/remove/replace 15m of watermain (3 exist valves can isolate watermain) as well as 15m of sanitary sewer (sewer would require bypass pumping – please provide flows). If it is decided not to introduce these two pipe replacement items, can you please add a tender item to address sewage flow bypassing and provide flows?

A25. The municipal water and sanitary sewer systems are owned and operated by the District of Muskoka. Available as-recorded drawings are attached for information purposes. The District's standard supplementary specifications are attached to provide the requirements for bypass sewage pumping and temporary water supply systems. The Tenderer shall base their bid on providing both temporary systems whether they are required or not. The Contractor shall have these systems in place prior to any excavation for the retaining wall. Installation of replacement pipe shall be a provisional item based on metres of size-for-size, like-for-like replacement including District approved couplings that may be required as a result of the work. An additional addendum will be provided with appropriate items to cover the required temporary systems and provisional pipe replacement.

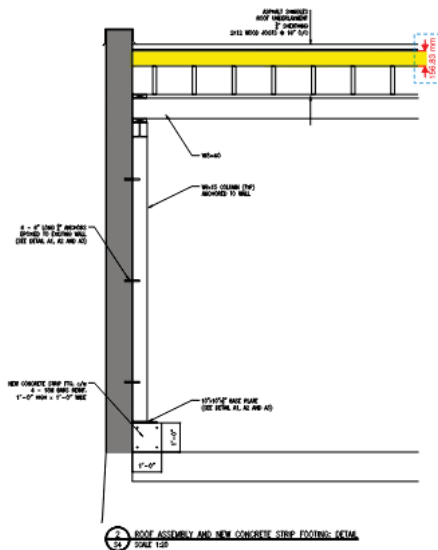
Q26. On the downstream retaining wall detail drawing , a viatical rebar from top to the wall into bedrock. Please clarify if the bar is per 150mm into rock as other 4 dowls.

A26. Yes it is to be doweled into the rock a minimum of 150 mm

Q27. Please confirm if any reinforcement rebars in the existing powerhouse concrete foundation.

A27. Unknown

Q28. The Powerhouse Roof section 2/S4 shows Asphalt shingle roofing. In between the ¾" Sheathing and the 2x12 Wood joists there is a 6" gap (See below drawing). What is that gap for and how is the gap created?



A28. There is no gap in between the $\frac{3}{4}$ " Sheathing and the 2x12 Wood joists

Q29. The drawings calls for strands, please find the sketch below. I have just received a call from DYWIDAG Canada and they do not supply hot-dip galvanized strands. Could you substitute the strands with threadbare instead?

A29. Threadbare is acceptable

Q30. At the same time there is a note on G1 drawing regarding 25M rock dowels for powerhouse stabilization. So, which system should finally be installed — Stranads or Threadbares?

A30. Ignore reference to 25M rock dowels

Q31. Provide the detail drawing of the wood staircase to be rebuild.

A31. Details to be provided in future addendum.

Q32. Please confirm this Staircase to be rebuild with new material or just do rectification to accommodate raised concrete dam.

A32. Staircase to be rebuilt.

Q33. Provide the spec of the wood to be used to rebuild the staircase.

A33. SPF 1/2 PT

Part 3 – Extension of Deadline

The tender deadline has been extended to Thursday, November 20th, 2025 at 2:00 PM.

Questions will now be accepted up to Thursday November 13th, 2025 .

The final Addenda will be issued no later than Monday, November 17th, 2025 at 4:00 PM.

Part 4 - Attachments to this Addendum

The following are provided as attachments to this addendum and are provided as referenced elsewhere in this addendum document.

- **Hatch Details Drawing**
- **As built records for Bala Water Mains and Sanitary Sewers**
- **The District of Muskoka's standard supplementary specifications**

District Municipality of Muskoka

Approved Products List

July 2024

WATERMAIN

*** All listed water apputentances must comply with NSF 61 Standards**

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Pipe	Polyvinyl Chloride (PVC)	DR 18 AWWA C900-16 AWWA C905 CSA B137.3	Ipex	Blue Brute	Rubber gasketed bell and spigot joints
			Royal Pipe Systems	C900 High pressure	Installed with 12 Gauge stranded tracer wire wire approved connectors
			Next Polymers	Aqualoc	Joints restrained where required by design with approved materials
			Diamond Plastics Corp.	C900	

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Fittings	Ductile Iron (Epoxy Coated)	AWWA C153 ANSI A21.53	Star		All fittings to be mechanical joint type
			Sigma		fusion bonded epoxy coated c/w stainless steel hardware or equivalent coating
			RCT	Internal Restaint fitting	"No standard uncoated fittings allowed"

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Joint Restraint	For PVC Pipe Bell and spigot push-on joints	ASTM F1674 All fitting hardware to be stainless steel	Star	Series 1000/1100/1200	
			Sigma	PV Lok / One Lok	c/w stainless steel hardware
			Ford	Uni-Flange UFR1350	

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Joint Restraint	For PVC Pipe to Mechanical Joint Fitting	ASTM F1674 All hardware to be stainless steel	Star	Stargrip	C555 Standards (Protective fusion bonded epoxy coatings for the interior and exterior of DI fittings)
			Sigma	PV Lok / One Lok	
			Ford	Uni-Flange UFR1500/3500	
			Romac	Romac Grip Ring C/W SS Hardware	
			Clow	TUF Grip Dual Wedge	

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Restrained Couplers	Epoxy coated C/w SS Hardware		Hymax	Grip	
			Georg Fischer	Multi Joint 3000	

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Product	Type	Specifications	Manufacturer	Description / Model	Comments
Service Saddles	For PVC Pipe , Stainless Steel, Double Bolt. Fully gasketed.		Robar	2616 Boss Pad	Service saddles mandatory on all PVC watermains.
			Cambridge Brass	8403 PG	

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Main Stops (corporation) All brass water services are "No Lead"	25mm - 50mm	AWWA C800-05 NSF 61 AWWA X compression type - stainless steel ball style, saddles to be used on all PVC pipe. CTS OD Tubing size.	Ford Meter Box Inc.	FB1000-X NL	Must comply with NFS/ANSI 61 Drinking Water System Components - i.e. Lead- Free Brass.
			Cambridge Brass	Series 301NL	
			Mueller Canada	Series 300N	

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Curb Stops	25mm to 50mm	Stainless steel Ball Type - compression joint non draining - ANSI / AWWA C800- 05 and NSF/ ANSI 61	Ford Meter Box Inc.	B44 Series NL BH 44- 233G NL	Must comply with NFS/ANSI 61 Drinking Water System Components - i.e Lead- Free Brass. Non Draining .
			Cambridge Brass	202 NL	
			Mueller Canada	300 series	

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Valves	Ductile Iron valves shall be epoxy coated (interior/exterior). All valves shall have mechanical joint ends and be the resilient seat type.	AWWA C-509	Clow	Model 2639	Ductile Iron valves shall be epoxy coated (interior/exterior). All valves shall have mechanical joint ends and be the resilient seat type.
			Mueller	A-2361	
			AVK	Type 25/01	

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Tapping Sleeves	Stainless Steel blind flange outlet, Full surrond girded gasket.	AWWA C223	Smith Blaire	663 SS	
		AWWA C207	Robar	6606	
		NSF - 61	Ford meter Box Co.	Fast Tap	
		ASTM D2000			

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Product	Type	Specifications	Manufacturer	Description / Model	Comments
Tapping Valves	Ductile Iron valves shall be epoxy coated (Interior/exterior). All valves shall have mechanical joint one side and blind flange on the other and be the resilient seat type.	AWWA C-509	Clow	Model 2639	Ductile Iron valves shall be epoxy coated (Interior/exterior). All valves shall have mechanical joint ends and be the resilient seat type.
			Mueller	T-2361	
			AVK	Type 25/31	
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Valve Boxes	Epoxy paint or Black Asphaltic Bituminous Paint Cast Iron	5SL-48 Sliding Valve Box C/W Guide Plate, 6mm predrilled round hole with grommet for tracer wire in upper section. ASTM A48M-03 Class 30B.	Mueller		Valve and Valve boxes to be installed as per OPSS 441.
			Bibby	VB1100 + GP	
			Conquer BM. Inc		
			Star Pipe Products	VB-5002	
			DomCast	DF64	
			Sigma Corp		
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Valve Box Extensions		Less than or equal to 1.8m total extension length	Clow		
			Mueller		
			Sigma Corp		
			DomCast		
			Star Pipe Products		
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Service Boxes	Epoxy paint or Black Asphaltic Bituminous Paint Cast Iron, Cast Iron, Satinless Steel service box rods where required.		Bibby	VSB1/B2	
			Clow	D1 /D2	
			Mueller	A726/A728	
			SigmaCorp	#8	
			Star Pipe Products	SB-5001/5002	
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Water Service Pipe	Copper Tube Size (CTS) Municipal Service Tubing Series 200 / PEX (C904)	CSA B137.1 CSA B137.5 AWWA C904 AWWA C901	Polytubes PE	CTS Series 200	SS. Insert stiffeners required at all compression fittings. * Service pipe requires tracer wire.
			Iplex Blue *	SDR9 CTS	
			Reau "Municipipex" *	SDR9 CTS	
			Trinus Pipe & Tubes		

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Product	Type	Specifications	Manufacturer	Description / Model	Comments
Hydrants		AWWA C502	Clow Canada	Concord Premier D67-M	Factory applied epoxy coated.
			Mueller Canada	Canada Valve Century	
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Transition Couplings		AWWA C-219	Krausz	Hymax	Hymax grip, Romac Alpha or George Fisher to be used were retained fittings are required.
			Romac	Macro HP	
			Krausz	Hymax Grip	
			Romac	Alpha	
			George Fisher	3000 Plus	
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Tracer Wire	12 AWG Type (PE or HMWPE) insulated strand, Rated for direct burial				Provide manufacturers corrosion testing data.
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Tracer Wire Connectors			Copperhead TM	Snakebite	All direct bury connectors require to be prefilled dielectric silicone sealant type.
			Dryconn -King Innov	Lug Aqua	
			Dryconn -King Innov	DBSR Aqua	
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Air Release Valves	Direct Bury ARI units		ARI	D 090	New installations require sub surface

District Municipality of Muskoka

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July 2024

SEWER

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Pipe (Main Line Non Pressure)	PVC DR35	CSA B182.2	IPEX	Ring-tite	Rubber Gasket, Bell and spigot joints
		ASTM D3034	Royal Pipe Systems	Royal Seal	Green in Colour
			Next Polymers	Duraloc	
			Diamond Plastics	Sani -21	
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Service Pipe (Non Pressure)	PVC DR28	CSA B182.2	IPEX	Enviro-tite	125 mm min single service residential
			Royal Pipe Systems	Royal Seal	150mm min industrial / commercial
			Next Polymers	Duraloc	Rubber Gasket, Bell and spigot joints
			Diamond Plastics		Green in Colour
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Fittings	Gaskets moulded PVC Fittings	CSA B182.1	IpeX	Ring Tite	All Gaskets meet requirements of
		CSA B182.2	Royal Pipe Systems	Royal Seal	ASTM F477 and D3213
		ASTM D3034	Galaxy		
		ASTMF1336	Tigre-ADS		
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Sewer Service Saddle			Romac	CB	Epoxy Coated
			Clow	D-50	
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Service Cleanout	PVC	Solvent weld to ASTM F656 Regular or Medium bodied	Galaxy Plastic Ltd.	Solvent Weld	100 mm dia. vertical pipe, Wye GXGXG (5"x5"x4"), threaded plug countersunk, cleanout adaptor FIPT X S DMM-310A and DMM-310B
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Couplings	Rubber Couplings		Fernco		
			Mission Rubber		
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Precast Maintenance Holes and Components			Con Cast		1200 mm Min maintenance structure
			Decast		
			Munro		
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Pipe to Manhole Connection			Trelleborg	Kor-N Seal	
			Garlock	Link-Seal	

District Municipality of Muskoka

Approved Products List

July 2024

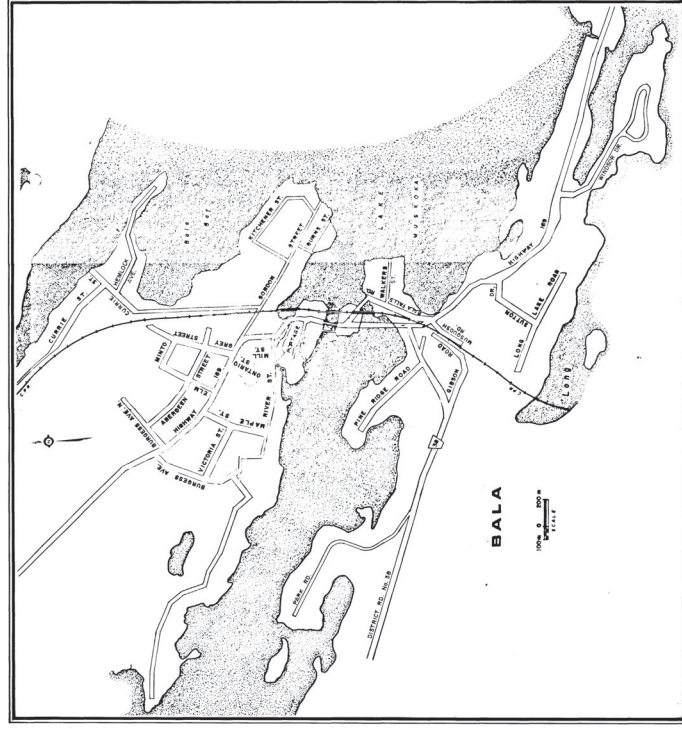
SEWER

Product	Type	Specifications	Manufacturer	Description / Model	Comments
Manhole Frames			Bibby (Autostable)	C-50M-ONT (6")	
			Mueller "adjustable"	AL633 (152) (6")	
			Sigma	Self Leveling	
			East Jordan		
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Manhole level adjusters			Ipxex - Lifesavers adjustment	27"	Ipxex flat adjusters 1.25" - 4" sloped 1.5"
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Air Release Valves	Combination Air Release / Vacuum Breaker		ARI	D-025 SB	New installations require sub surface installation. (Direct Bury)
			H-Tech	986	
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Low Pressure sewer Pipe and Fittings	Copper Tube Size (CTS) Municipal Service Tubing Series 200 / PEX (C904)- Brass Fitting	AWWA C900	Trinix Pipe & Tubes		Green sewer tape required on LP Lines. Tracer wire required on pipe.
Product	Type	Specifications	Manufacturer	Description / Model	Comments
Grinder Pump		Min. 2 HP			LPS pumps to be grinder type and have a minimum of 2HP

DISTRICT MUNICIPALITY OF MUSKOKA

WATERWORKS IMPROVEMENTS PROJECT — BALA SEWAGE WORKS IMPROVEMENTS PROJECT — BALA

STAGE 1 - WATERMAINS & SANITARY SEWERS CONTRACT NO. 93-425-650-1



KEY PLAN

LIST OF DRAWINGS

DWG. NO. G-1	TITLE PAGE
DWG. NO. G-2	NOTES, LEGEND AND BENCHMARK
DWG. NO. G-3	DRAWING INDEX
DWG. NO. G-4	MISCELLANEOUS DETAILS
DWG. NO. 29 (1 of 11)	RIVER STREET - STA. 15+000 to 15+320 NEW CONSTRUCTION
DWG. NO. 30 (2 of 11)	RIVER STREET - STA. 15+320 to 15+642 NEW CONSTRUCTION
DWG. NO. 35 (3 of 11)	MILL STREET - STA. 30+000 to 30+223.4 NEW CONSTRUCTION
DWG. NO. 36 (4 of 11)	MAPLE STREET - STA. 10+000 to 10+251.76 NEW CONSTRUCTION
DWG. NO. 37 (5 of 11)	VICTORIA STREET - STA. 14+000 to 14+232.645 NEW CONSTRUCTION
DWG. NO. 38 (6 of 11)	BURGESS STREET - STA. 12+000 to 12+313 NEW CONSTRUCTION
DWG. NO. 46 (7 of 11)	MINTO STREET - STA. 9+000 to 9+180 NEW CONSTRUCTION
DWG. NO. 47 (8 of 11)	MINTO STREET - STA. 9+180 to 326.692 NEW CONSTRUCTION
DWG. NO. 48 (9 of 11)	ABERDEEN STREET - STA. 13+000 to 13+195 NEW CONSTRUCTION
DWG. NO. 49 (10 of 11)	ABERDEEN STREET - STA. 13+195 to 13+380 NEW CONSTRUCTION
DWG. NO. 50 (11 of 11)	BURGESS STREET - STA. 11+000 to 11+240

A.J. WHITE, P. ENG.
Commissioner of Engineering and
Public Works

CONTRACT: 93-425-650-1 BALA

CONTRACTOR: _____

THE DISTRICT MUNICIPALITY
OF MUSKOKA

CHAIR: _____

CLERK: _____

TOTTEN SIMS HUBICKI ASSOCIATES (1991) LIMITED
CONSULTANTS

AS - RECORDED

G1



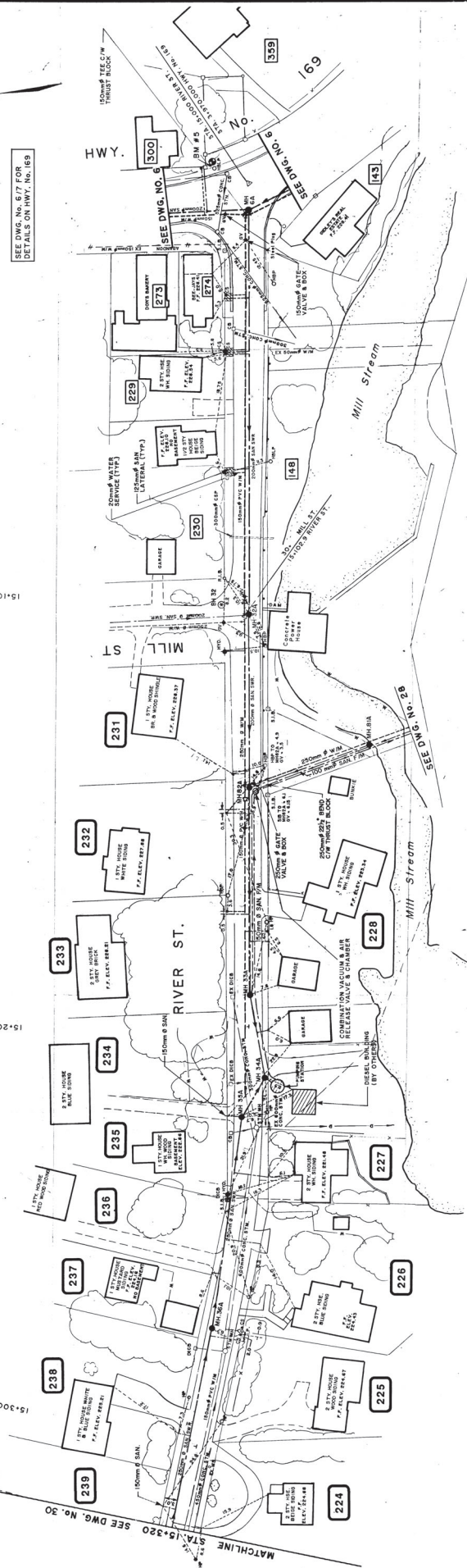
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DETAILS ON HWY. No. 169

ALL SANITARY SERVICES
ARE 125mm Ø UNLESS NOTED

15+100

15+200

15+300



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DETAILS ON HWY. No. 169

SEE DWG. No. 577 FOR
DETAILS ON HWY. No. 169

SEE DWG. No. 577 FOR
DETAILS ON HWY. No. 169

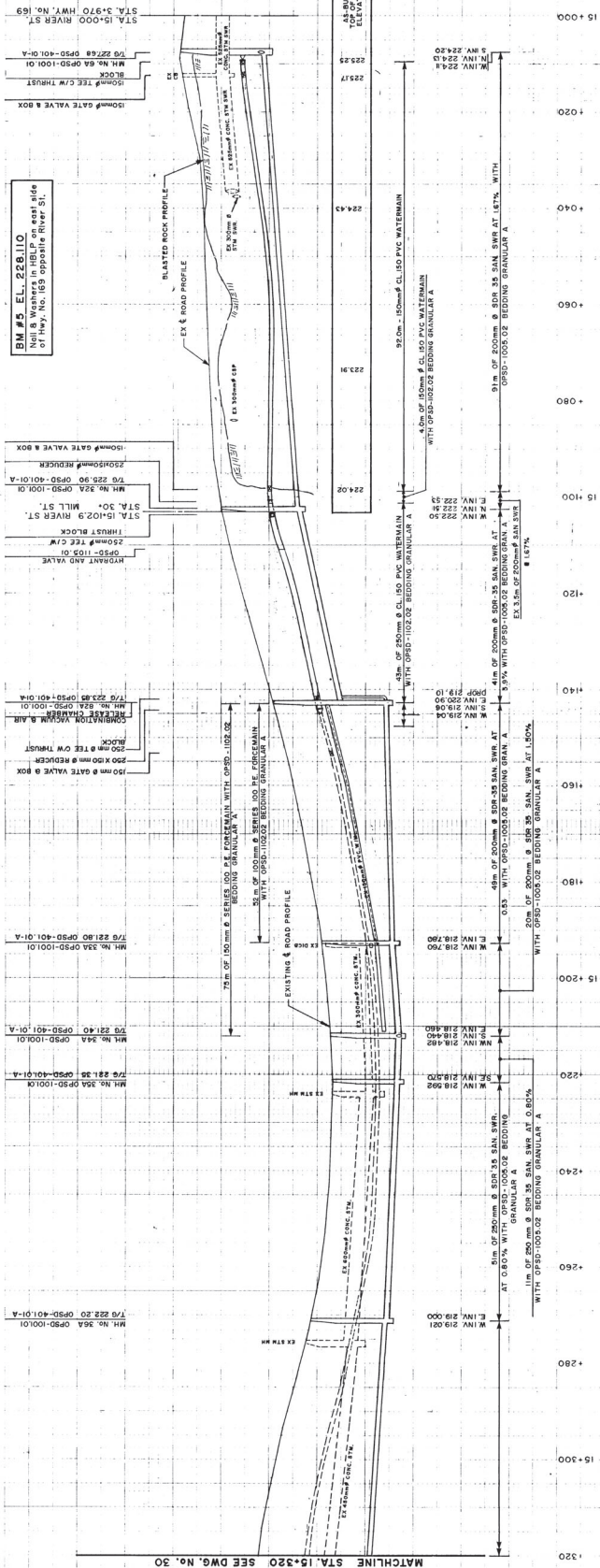
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SEE DWG. No. 577 FOR
DETAILS ON HWY. No. 169

MATCHLINE STA. 15+320 SEE DWG. No. 30



totten sims hubicki associates
ENGINEERS ARCHITECTS AND PLANNERS

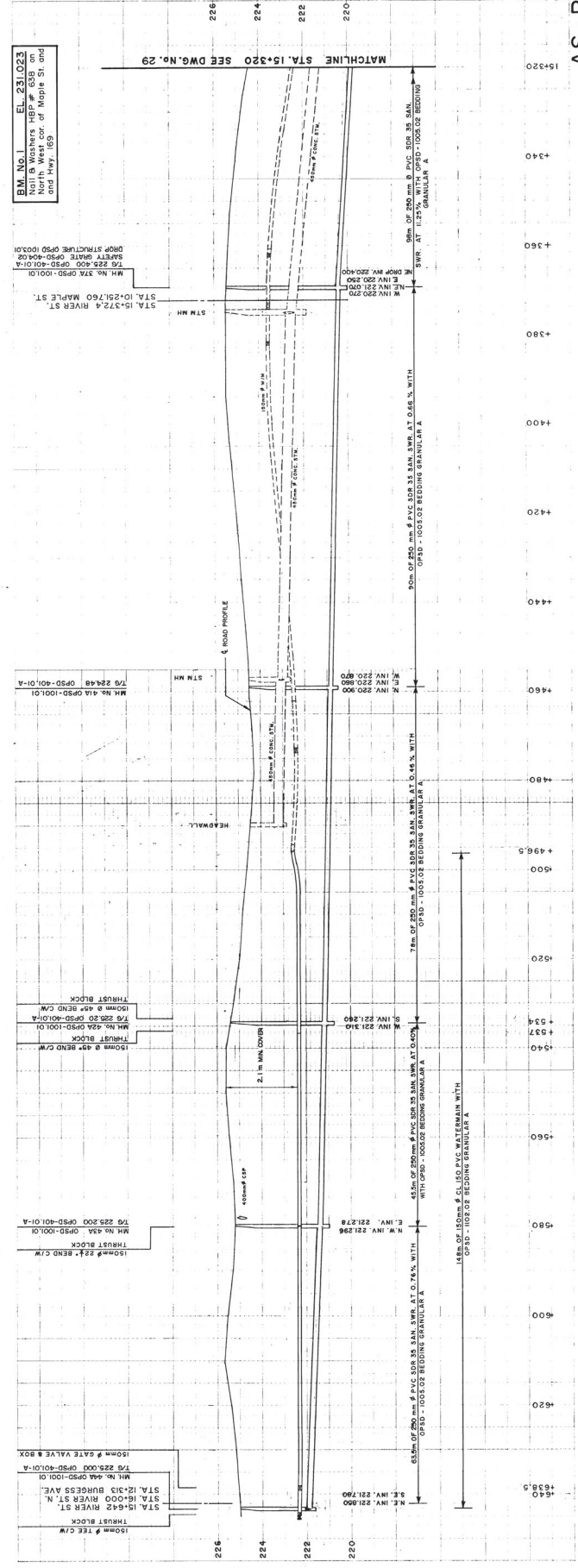
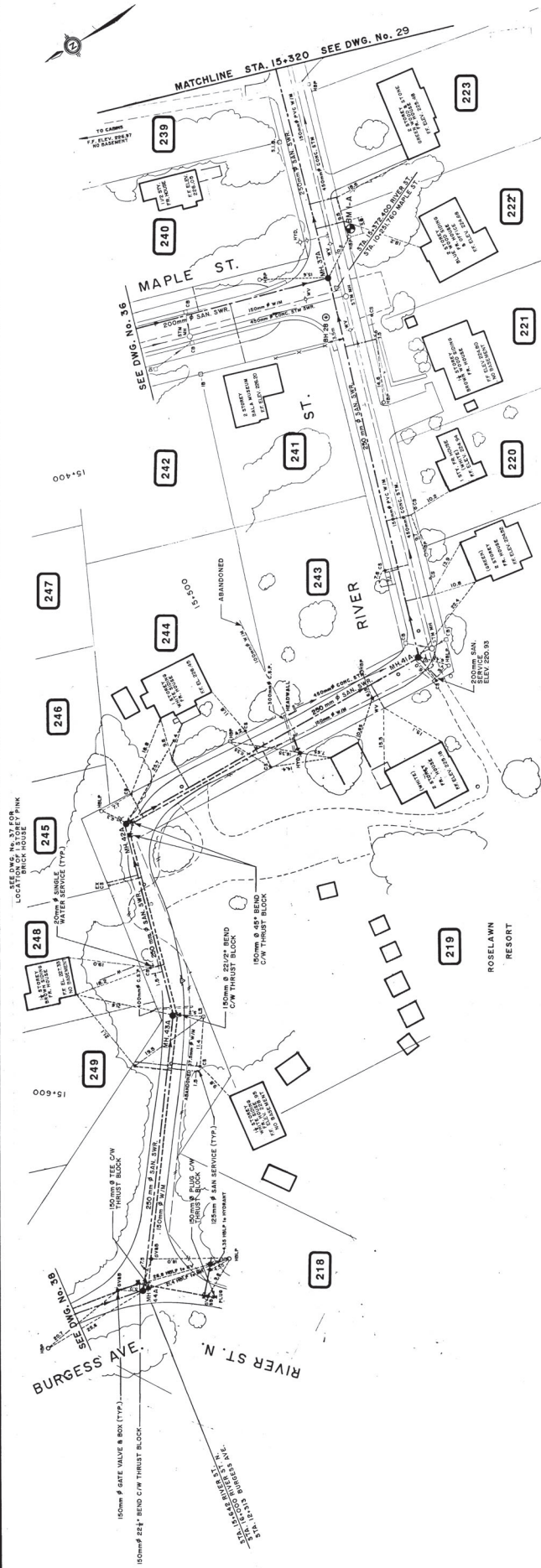


DESIGNED	R.D.A.
DRAWN	B.C.M.
CHECKED	F.P.C.
APPROVED	F.P.C.
3 MAY 1995 S.C.M.	REVISED TO AS-RECORDED FROM MILL STREET
2 AUG 1995 T.A.M.	REVISED TO AS-BUILT FROM MILL ST. TO HWY. No. 169
1 MAR 1994 S.A.C.	AS PER ADDENDUM No. 1
DATE	BY
1100 WAT.	

AS-RECORDED
District Municipality of Muskoka
Township of Muskoka Lakes - Balta
SEWAGE - WATERWORKS IMPROVEMENT
RIVER ST. - STA. 15+000 TO STA. 15+320
NEW CONSTRUCTION

DATE - MAY - 1993
PROJECT - SE 1530
DRAWING - 29

(SHEET 16 OF 17)



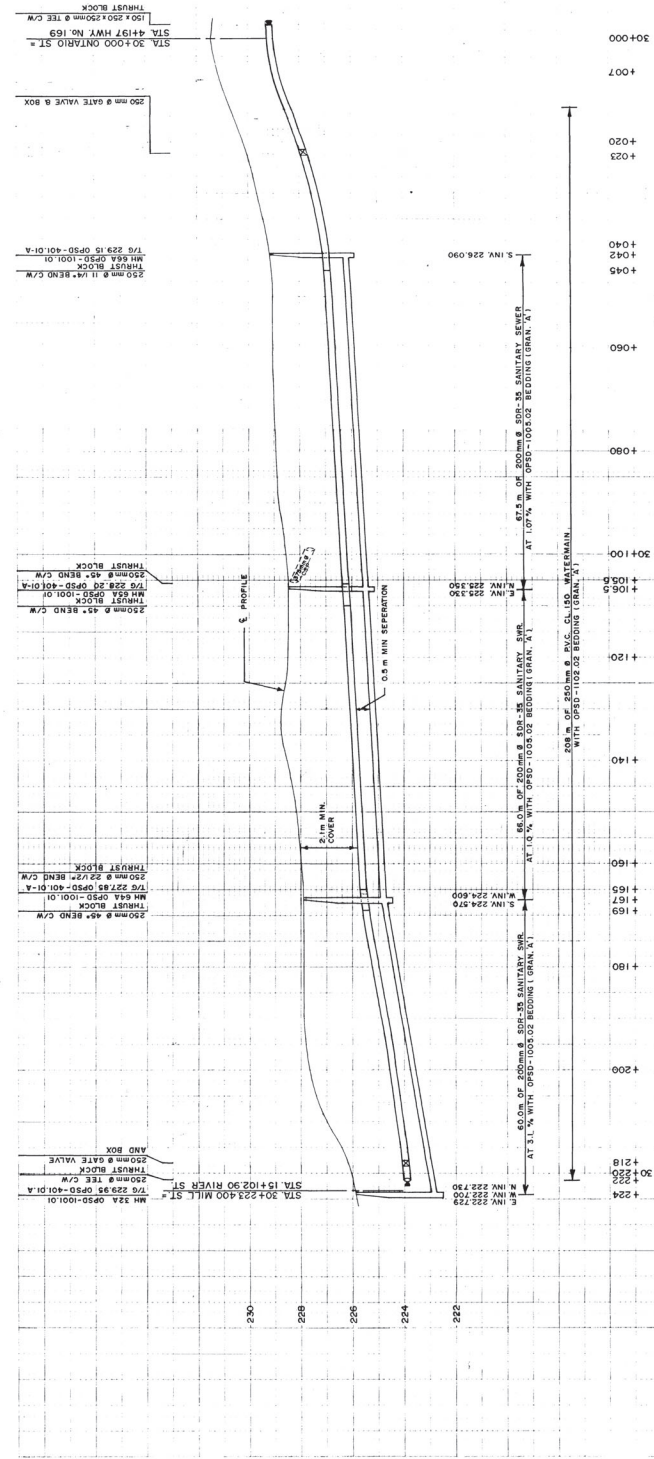
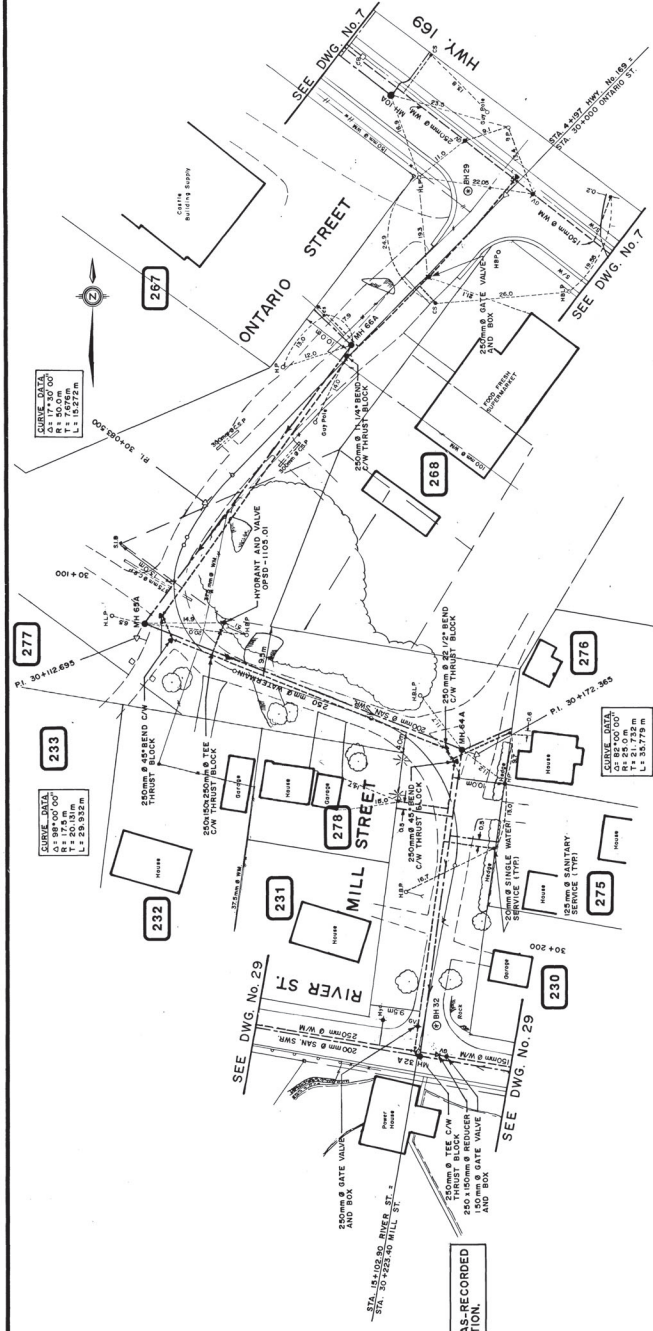
BM. No.1 **EL. 231.023**
Nail & Washers HBP # 638 on
North West cor. of Maple St. and
and Hwy. 169.

AS-RECORDED

DATE: MAY, 1993
 PROJECT: 32-3240
 DRAWING: 30
 DISTRICT MUNICIPALITY OF MUSKOKA
 TOWNSHIP OF MUSKOKA LAKES - BALA
SEWAGE - WATERWORKS IMPROVEMENT
 RIVER ST. - STA. 15+320 TO STA. 15+642
 NEW CONSTRUCTION

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ENGINEERS ARCHITECTS AND PLANNERS



totten sims hubicki associates
ENGINEERS ARCHITECTS AND PLANNERS

AS-RECORDED

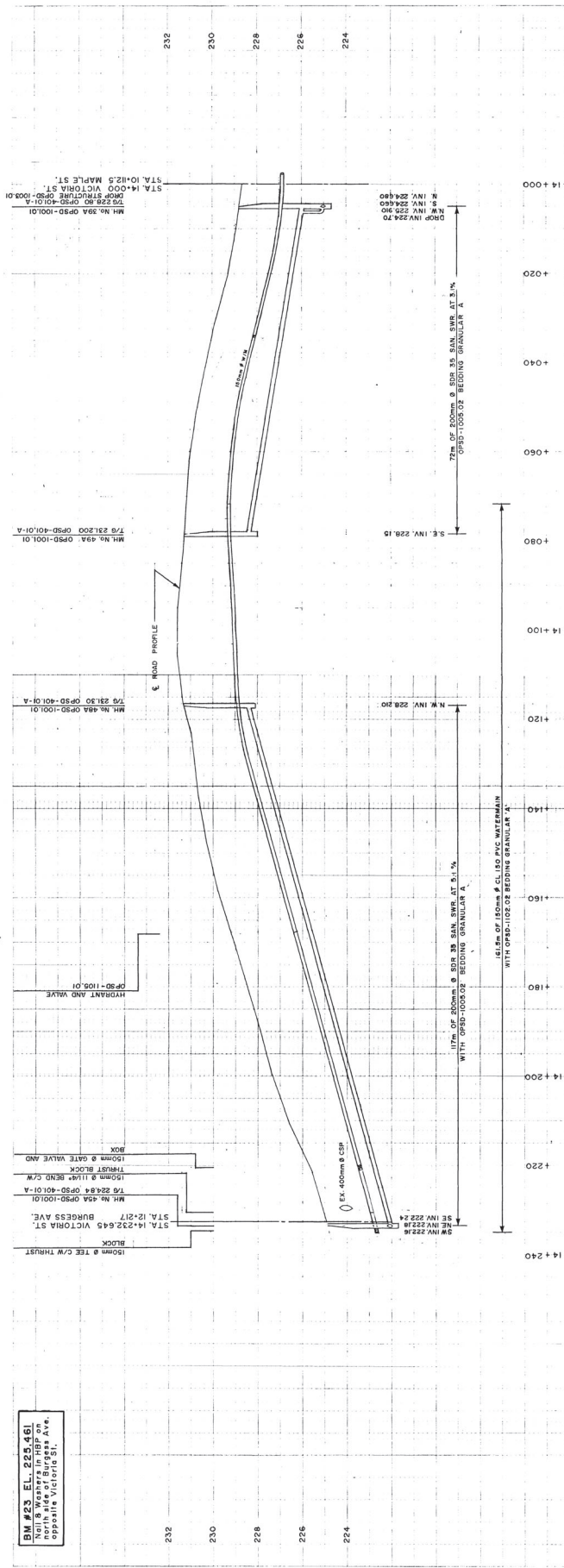
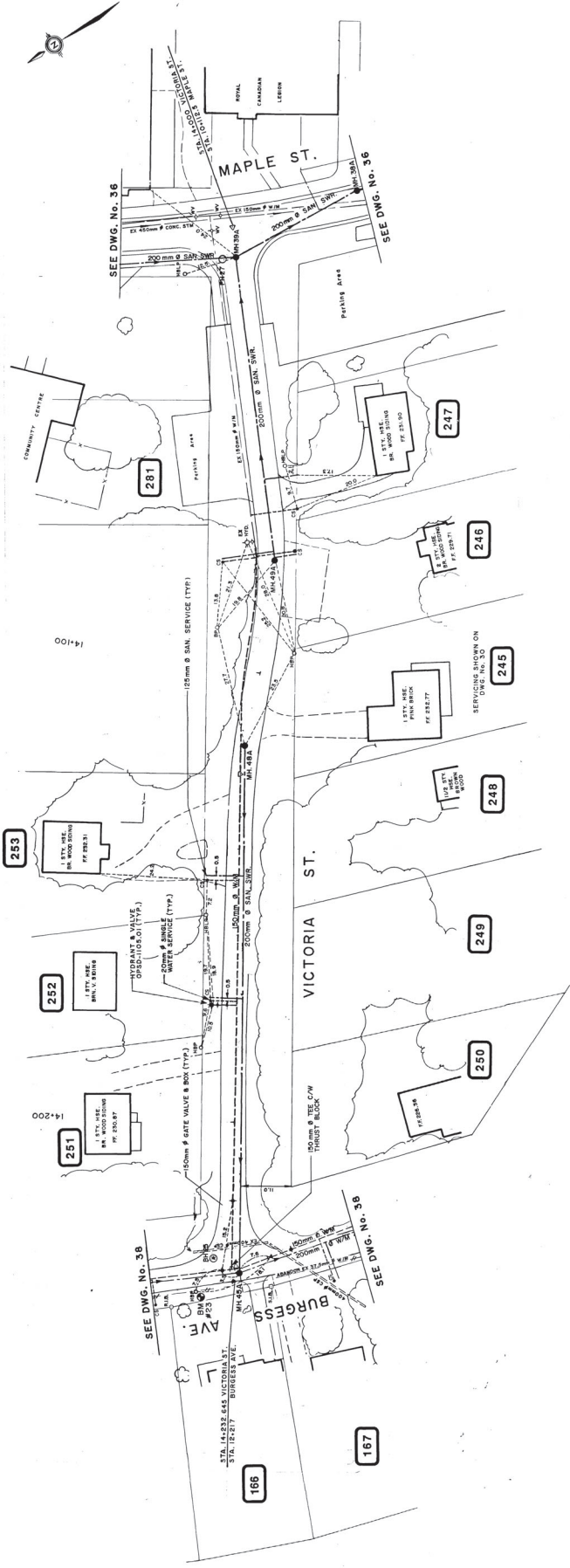
DISTRICT: Municipality of Muskoka
TOWNSHIP: Muskoka Lakes - Bala
SEWAGE - WATERWORKS IMPROVEMENT
ONTARIO STREET & MILL STREET - STA 30+000 TO STA 30+223.4

DESIGNED: E.D.B.	DRAWN: E.D.B.	CHECKED: R.D.A.	APPROVED: F.P.C.	SCALE: 1:500 HORIZ. 1:100 VERT.	DATE: FEB 1996	BY: B.C.M.	REVISED TO: AS-RECORDED	REVISIONS

DATE: FEBRUARY 1995
PROJECT: 92-7940
DRAWING: 32-2530

35

NEW CONSTRUCTION



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ENGINEERS ARCHITECTS AND PLANNERS

AS-RECORDED

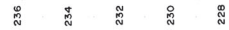
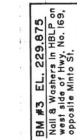
District Municipality of Muskoka
Township of Muskoka Lakes - Bala

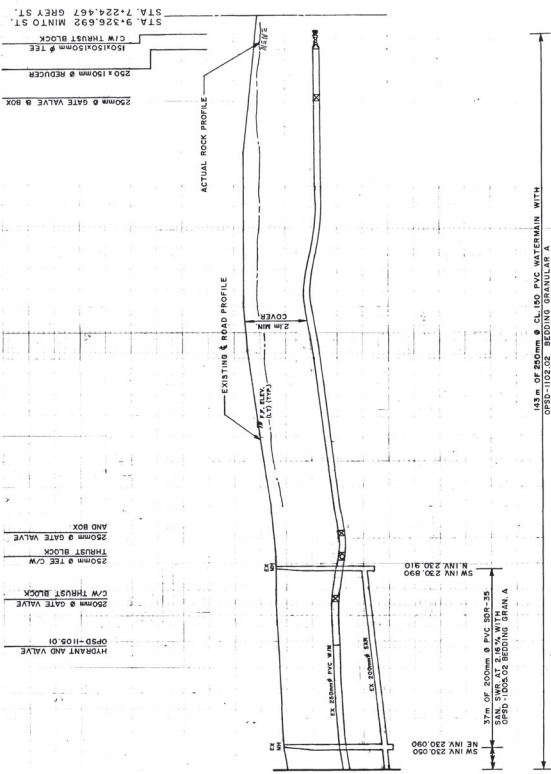
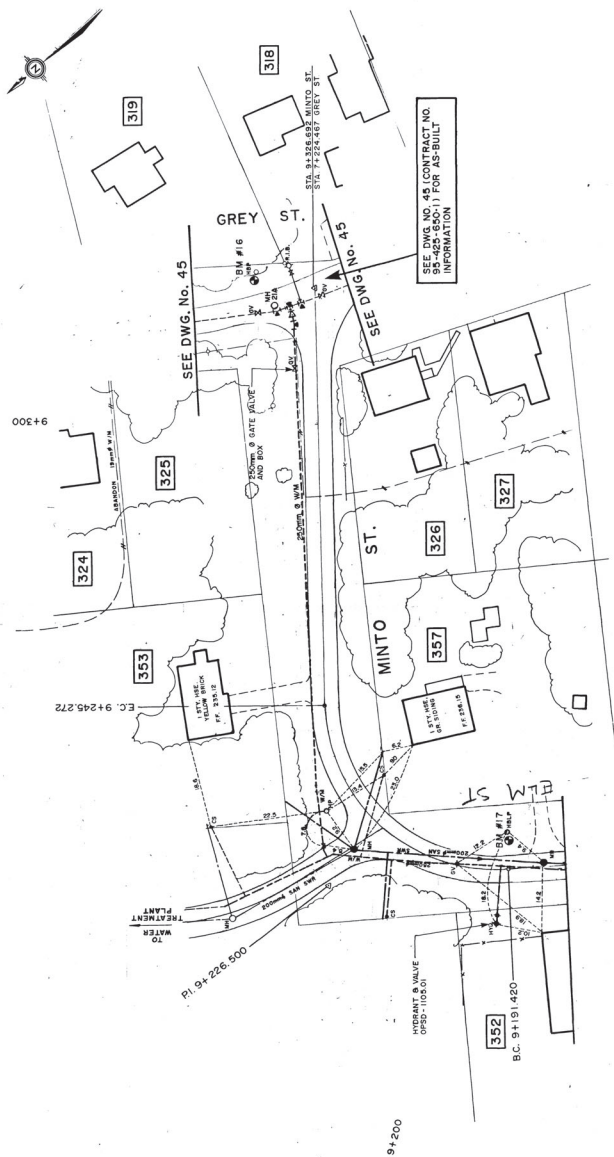
SEWAGE - WATERWORKS IMPROVEMENT

VICTORIA ST. - STA. 14+000 to STA. 14+232.645

NEW CONSTRUCTION

DESIGNED: R.D.A.		DATE: MAY, 1983	
DRAWN: B.C.M.		PROJECT: SE-2540	
CHECKED: F.P.C.		DRAWING: 37	
APPROVED: F.P.C.			
SCALE: 1:500 HORIZ. 1:100 VERT.			
NO.	DATE	BY	REVISIONS
1			REVISED TO AS-RECORDED





BM #17 EL. 234.395
Nail & Washers in HRP on
south side of Minto St.
75m east of Aberdeen St.

BM #16 EL. 234.413
Nail & Washers in HRP on
south side of Minto St.
8 Minto St.

327 ROLE NUMBER (TYP.)

AS - RECORDED

District Municipality of Muskoka
Township of Muskoka Lakes - Bala
WATERWORKS IMPROVEMENT
MINTO ST. - STA. 9+227 TO STA. 9+328.692
NEW CONSTRUCTION

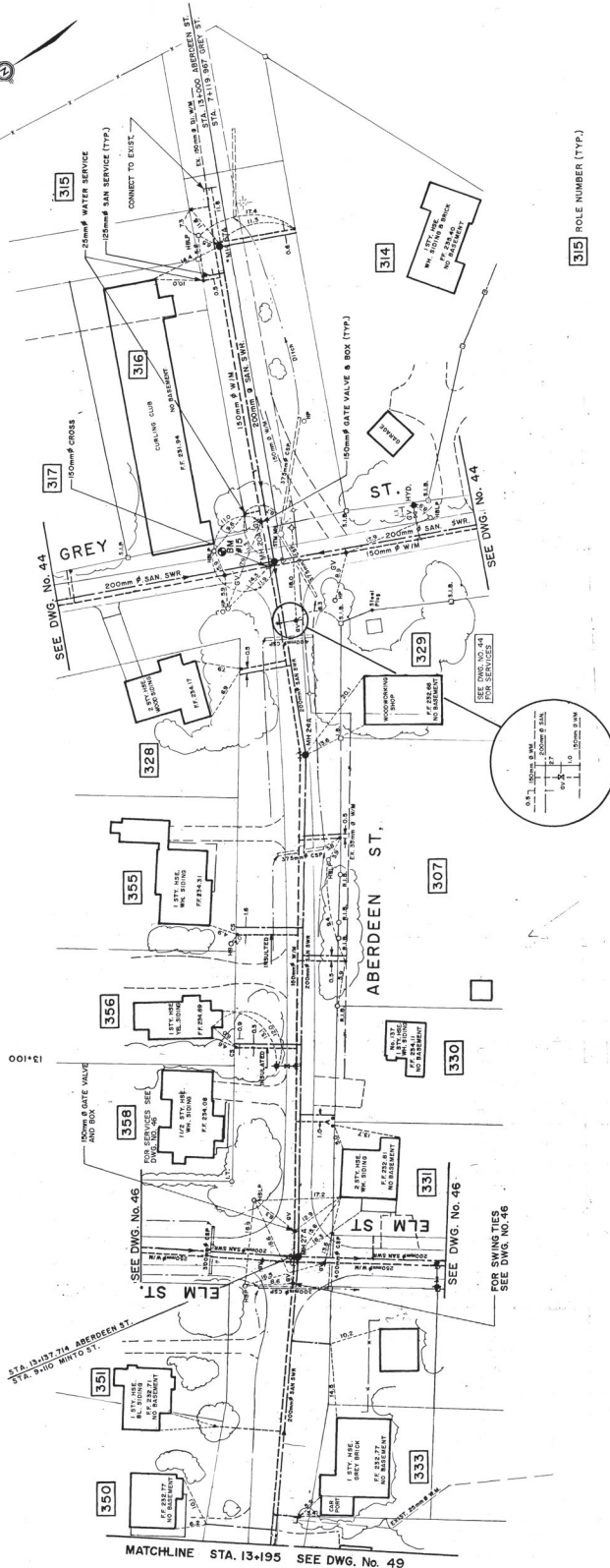
DESIGNED: R.D.A.
DRAWN: B.C.M.
CHECKED: R.D.A.
APPROVED: F.F.C.
SCALE: 1:500 Horiz.
1:100 Vert.

NO.	DATE	BY	REVISIONS
3	AUG 1995	R.C.A.	REVISED TO AS-RECORDED
2	MAY 1995	F.F.C.	ADDED ROLL NUMBERS
1	FEB 1995	F.F.C.	ACTED AS TYP. DISTRICT COMMENTS



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ENGINEERS ARCHITECTS AND PLANNERS
COBOURG WHITBY KINGSTON TORONTO BRACEBRIDGE OTTAWA SINCOWATERLOO

DATE: JAN 1994
PROJECT: 82-3240
DRAWING: 47



S.M. No. 15 EL. 232.570
Rail and Road in Hill of
Hill of Grey St. and Aberdeen
St.

150mm GATE VALVE
AND BOX
STA. 7+119.967 GREY ST.
STA. 13+000 ABERDEEN ST.
MH. NO. 20A 0P9D-100L-01
7/5 232.00 0P9D-100L-01

150mm GATE VALVE
AND BOX
STA. 7+119.967 GREY ST.
STA. 13+000 ABERDEEN ST.
MH. NO. 20A 0P9D-100L-01
7/5 232.00 0P9D-100L-01

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STA. 13+000 ABERDEEN ST.
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7/5 232.00 0P9D-100L-01

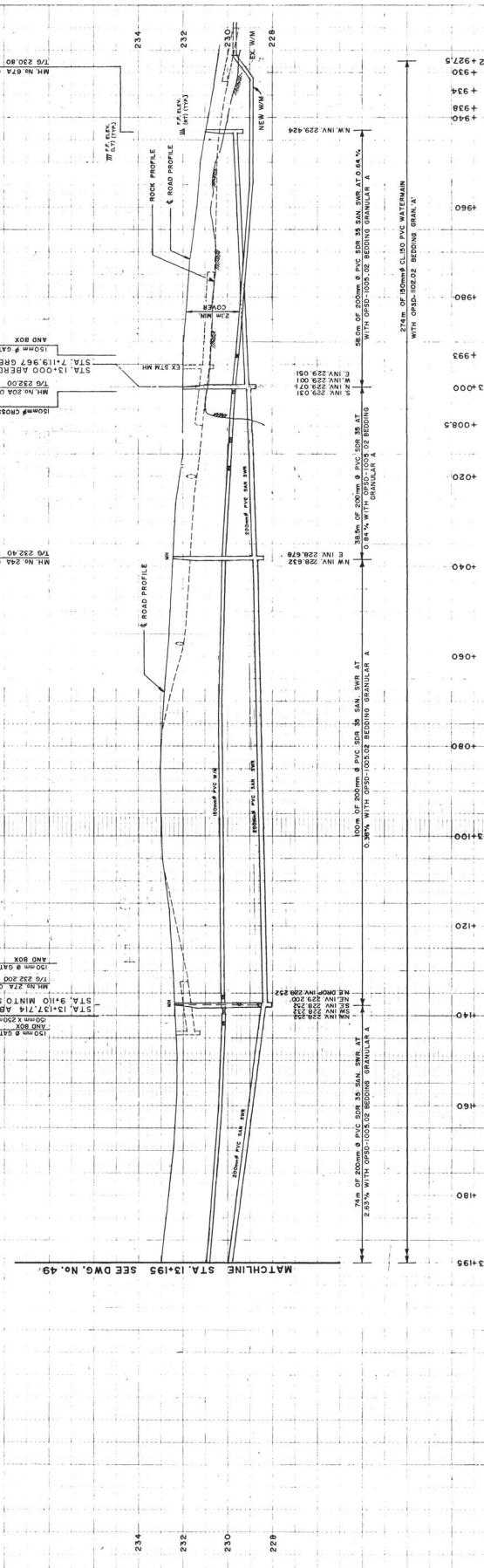
150mm GATE VALVE
AND BOX
STA. 7+119.967 GREY ST.
STA. 13+000 ABERDEEN ST.
MH. NO. 20A 0P9D-100L-01
7/5 232.00 0P9D-100L-01

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AND BOX
STA. 7+119.967 GREY ST.
STA. 13+000 ABERDEEN ST.
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7/5 232.00 0P9D-100L-01

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AND BOX
STA. 7+119.967 GREY ST.
STA. 13+000 ABERDEEN ST.
MH. NO. 20A 0P9D-100L-01
7/5 232.00 0P9D-100L-01

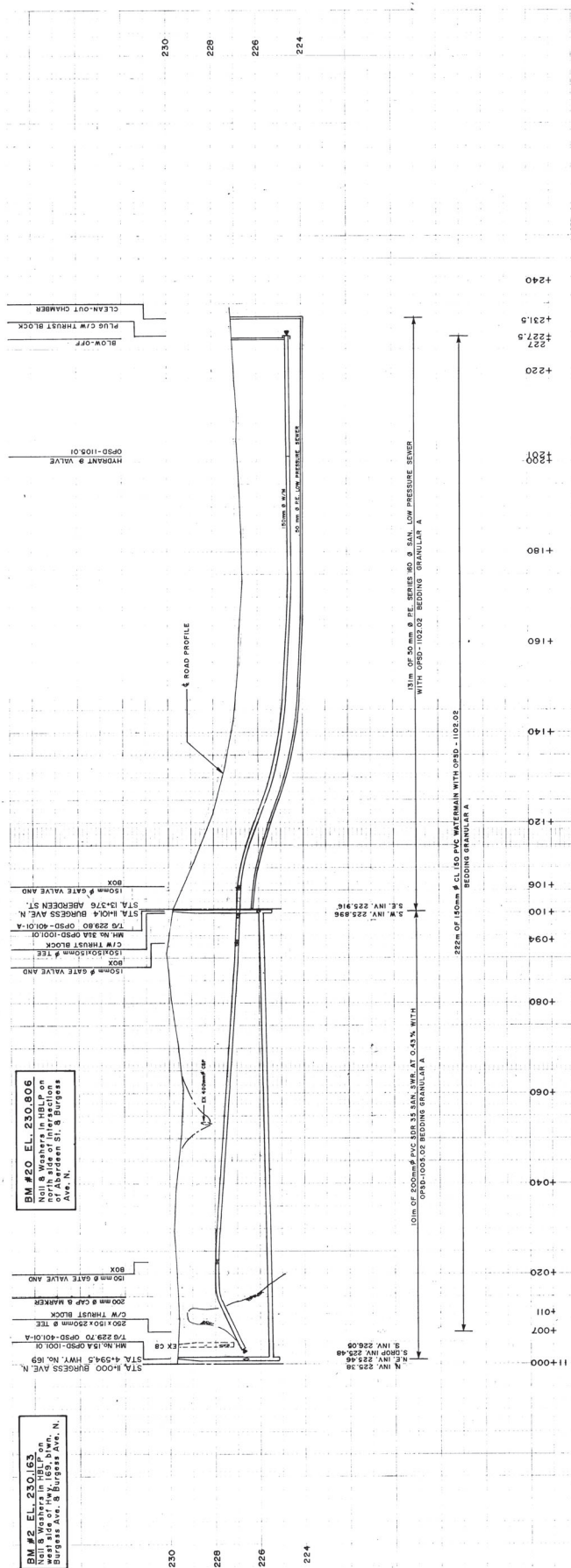
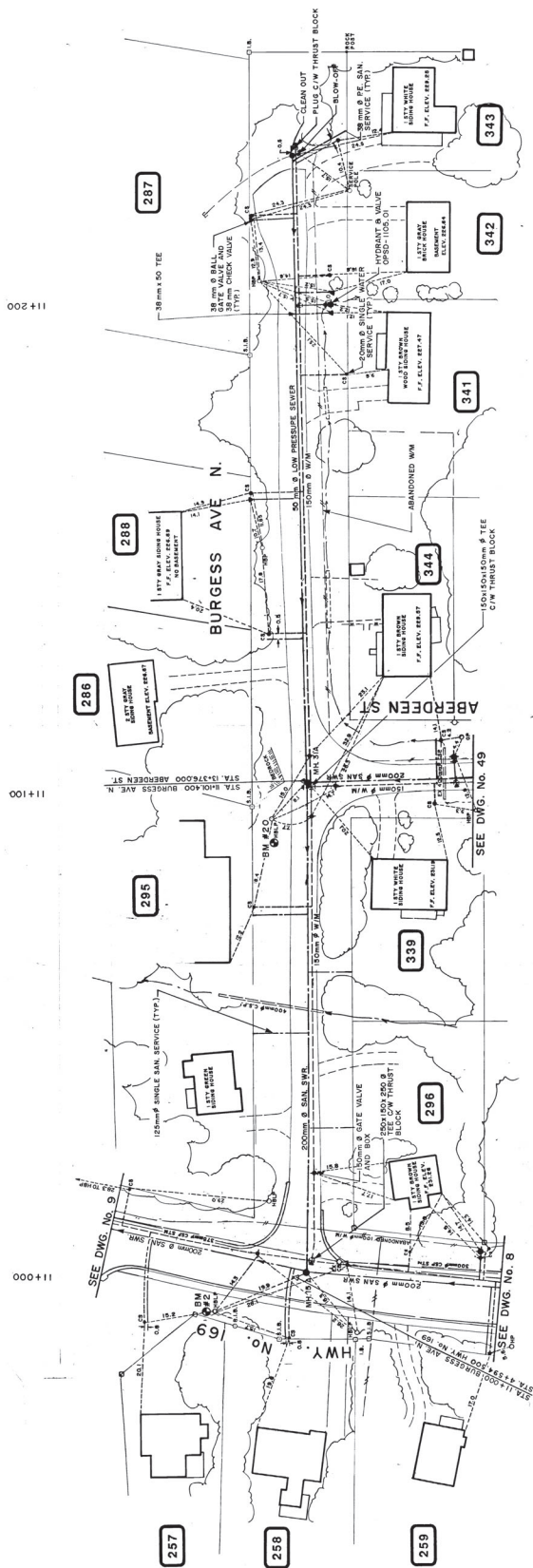


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ENGINEERS ARCHITECTS AND PLANNERS

AS-RECORDED
District Municipality of Muskoka
Township of Muskoka Lakes - Bald
SEWAGE - WATERWORKS IMPROVEMENT
ABERDEEN ST. - STA. 12+927.5 TO STA. 13+011
NEW CONSTRUCTION

DESIGNED: R.D.A.	CHECKED: R.D.A.
DRAWN: B.C.M.	APPROVED: F.P.C.
3 AUG. 1995 B.C.M. REVISED TO AS-RECORDED	1 FEB. 1995 F.P.C. REVISED AS PER DISTRICT COMMENTS
2 MAR. 1995 F.P.C. ADDED ROLE NUMBERS	
1 FEB. 1995 F.P.C. REVISED AS PER DISTRICT COMMENTS	
NO. DATE BY DIVISIONS	

DATE: JAN. 1995
PROJECT: 92-240
DRAWING: 92-5502
48



BM #2 EL. 230.163
Nail & Washers in HBLP on
west side of Hwy. 169, btwn.
Burgess Ave. & Burgess Ave. N.

BM #20 EL. 230.806
Nail & Washers in HBLP on
north side of intersection
of Aberdeen St. & Burgess
St.

AS-RECORDED

District Municipality of Muskoka
Township of Muskoka Lakes - Bala
SEWAGE - WATERWORKS IMPROVEMENT
BURGESS AVE. N. - STA. 11+000 to STA. 11+240

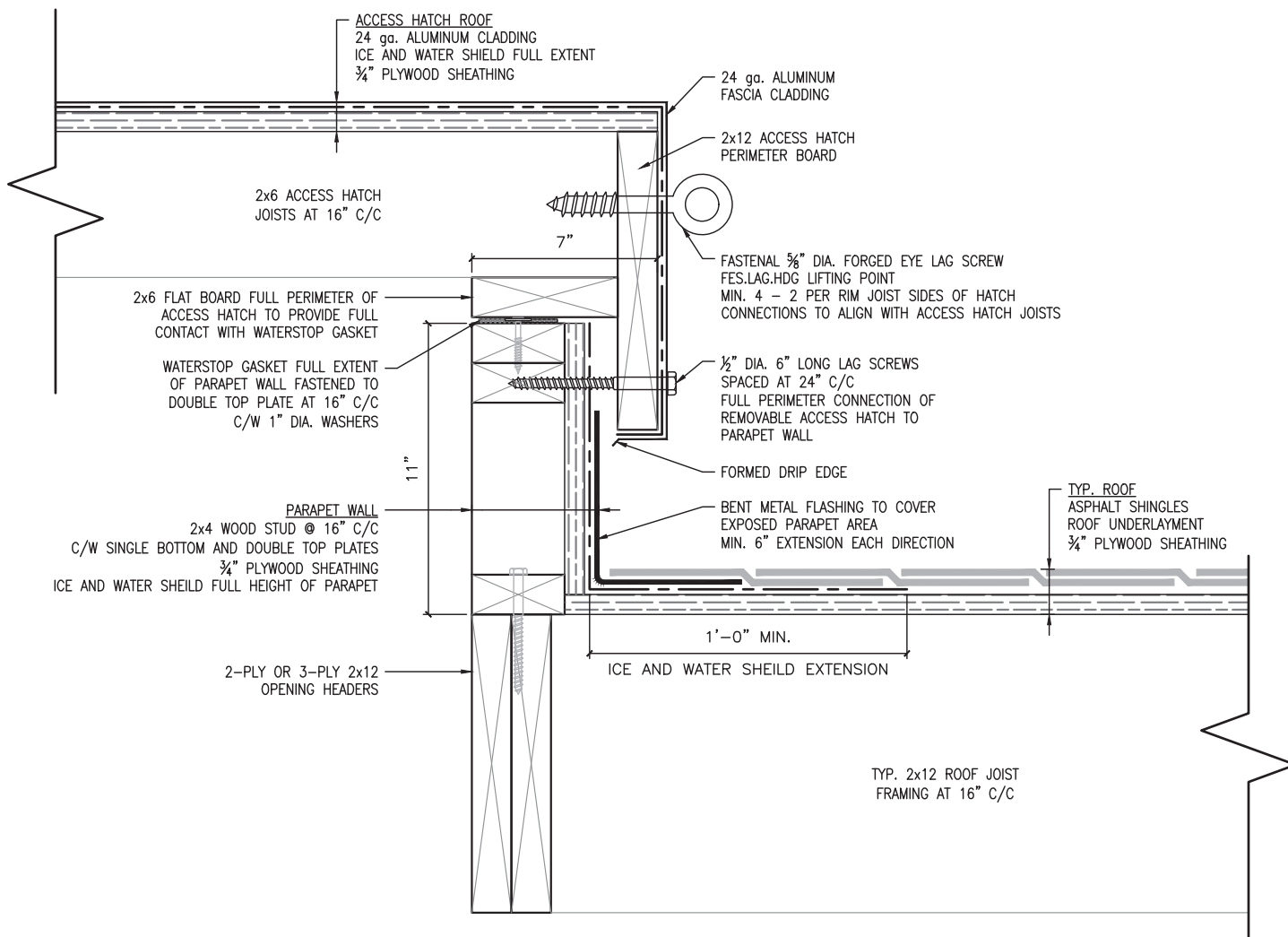
DESIGNED: R.D.A./E.D.B.
DRAWN: B.C.M.
CHECKED: R.D.A.
APPROVED: F.P.C.
SCALE:

1:500 Horiz.
1:200 Vert.

	R.D.A.	ADDED TEMP. CONNECTION TO EX 100mm ³ WITH AT HWY. No. 69
AUG 25/93	B.C.M.	REVISED TO AS-RECORDED
FEB. 1996		
2		



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ENGINEERS ARCHITECTS AND PLANNERS



PROJECT:

**LITTLE BURGESS
GENERATING STATION
REHABILITATION**



DRAWING:

**ROOF ACCESS HATCH
DESIGN DETAILS**

0	NOV 5, 2025	RC	ISSUED FOR ADDENDUM #3
No.	DATE	BY	ISSUES / REVISIONS
DRAWN BY:		CHECKED BY:	PROJECT No. :
RC		FP	231236
DESIGNED BY:		APPROVED BY:	DRAWING No.
FP		FP	REVISION No.
SCALE:		DATE:	
N.T.S.		NOV 5, 2025	
S6			0

1. References

- .1 OPSS.MUNI 410 – Construction Specification for Pipe Sewer Installation in Open Cut
- .2 OPSS.MUNI 491 – Construction Specification for Preservation, Protection, and Reconstruction of Existing Facilities
- .3 OPSS.MUNI 510 – Construction Specification for Removal

2. Scope

As part of construction activities, the Contractor shall perform the work in accordance with the items detailed below:

- .1 Divert flows around the sewers as required to complete the work. Unless otherwise approved by the Contract Administrator, methods used to divert flows shall not impede traffic flow or include any ramps on roads or driveways to cover pipes.
- .2 A detailed sewer by-pass pumping plan shall be submitted to the Contract Administrator 2 weeks prior to commencing work. The plan is to detail by-pass pumping routes, equipment to be used and 24/7 emergency planning.
- .3 The Sanitary By-Pass plan shall be sealed by a licensed engineering registered to practice in the Province of Ontario.
- .4 Estimated average daily sanitary sewer flows at the by-pass location are 2.5 L/s with instantaneous peak flows of 17.5 L/s. The sewage flows provided are for information only and do not form any part of the tender document. Sewage flow rates are not guaranteed by the Owner, nor does the Owner accept responsibility for any assumptions made by the Contractor.

3. Measurement for Payment

- .1 No measurement for payment will be made for this item.

4. Basis of Payment

- .1 Payment at the contract lump sum price shall be full compensation for all labour, equipment, and materials to complete the work. Payment shall be made once the new sanitary sewer has been installed and flows have been diverted back into the sanitary sewer system.

1. References

- .1 OPSS.MUNI 493 – Temporary Potable Water Supply Services
- .2 District of Muskoka Standard Operating Procedures WS-09

2. Scope

- .1 Prepare a written proposal, documenting the proposed testing and connection procedures for review and acceptance by the Contract Administrator.
- .2 Written notifications to the Municipality's Emergency Services (a minimum of 5 working days) and to all affected property owners prior to any disruption of water service as a result of the temporary bypass. Notice shall be provided at the following intervals:
 - i) 10-days in advance of the anticipated week of shutdown.
 - ii) 48-hours advising of the exact date and time range of shutdown.
- .3 The Contractor is to provide a minimum 48 hours' notice to District Operations Department for any works, operation or testing that requires District Operations Department on site attendance.
- .4 Supply, install, test, connect to existing and remove the approved temporary potable water supply services and/or as directed by the Contract Administrator and as required to provide uninterrupted potable water supply within the limits of construction, while the permanent water distribution system is out of service.
- .5 The Contractor is advised temporary potable water supply shall be limited to a maximum distance of 250 m (i.e., one block) on one street at any given time, unless otherwise approved by the Contract Administrator. The Contractor shall stage the temporary potable water supply and watermain installation accordingly to complete construction.
- .6 Unless specifically requested and approved by the Contract Administrator and Municipality, temporary potable water supply shall be installed and commissioned before the Contractor may commence the removal and/or installation of underground works.
- .7 Operational Constraints:
 - .1 50 mm dia. watermain on both sides of the road to provide adequate water supply during peak demand of the connected users.
 - .2 Minimum 19 mm dia. services to all existing potable water supplies. Services shall match existing diameter where they are larger than 19 mm dia. Temporary services shall be connected to existing water services at the curb stop valve. Services shall not cross the road.
- .8 Pipe type and class shall be proposed by the Contractor for review and approval by the Contract Administrator. All material shall be capable of withstanding 860 kPa and all other conditions of use. All materials in contact with potable water shall be NSF/ANSI 61 compliant and, if being reused, shall have been exclusively for potable water services in the past. All material shall not impart any taste or odour standard.
- .9 Temporary potable water supply shall be buried at driveways where removal and replacement of the driveway is proposed. Otherwise, where approved by the Contract Administrator, temporary ramping at driveways will be permitted provided efforts are made to protect existing surfaces from damage.

.10 Hydrants taken out of service when the temporary potable water supply is commissioned shall be “bagged” and the Contractor shall notify the municipality and the fire department in writing accordingly.

.11 Live tap connections, complete with reduced pressure backflow preventers, to the existing watermain to supply/feed the temporary watermain, if applicable.

.12 Test the temporary potable water supply system, including hydrostatic leakage testing, swabbing, flushing, disinfecting and bacteriological testing prior to connecting to the existing watermain system. All testing must be completed by trained, qualified personnel to the satisfaction of the Contract Administrator and Municipality. Bacteriological sampling must be completed by a certified, licensed operator and bacteriological testing must be from an accredited laboratory.

.13 The Contractor is responsible for making arrangements with the Municipality for the supply of water during testing, swabbing, flushing and disinfection operations.

.14 The Contractor shall always protect and maintain the temporary water supply system in a safe operating condition and shall be responsible for the prevention of injury to persons and damage to property. The Contractor, to the satisfaction of the Contract Administrator, shall provide safeguards, but such provisions shall not relieve the Contractor of full responsibility for the adequacy of protection. If, however, during the construction process, a customer’s water supply is accidentally disrupted, the Contractor will be responsible to restore the customer’s water supply within a two-hour time period of discovering the disruption.

.15 The Contractor shall repair any leaks that are found or that may develop on any portion of the temporary water supply system. If a leak is not repaired within a two-hour period and should it be necessary for the Municipality to repair any portion of the temporary water supply system, any costs incurred by the Municipality for such repairs will be deducted from the Contractor’s progress payment.

.16 All parts of the temporary water supply system in contact with potable water which are new or taken out of service for inspection, repair, reinstallation, or other activities that may lead to contamination before they are put back in service, must be disinfected in accordance with the provisions of AWWA Standard for Disinfecting Watermains (C651-99) or an equivalent procedure that ensures the safety of drinking water that is delivered to consumers as adopted by reference by O.Reg. 170/03 under the Safe Drinking Water Act.

.17 The Contractor shall not operate any part of the live watermain distribution system.

3. Measurement for Payment

.1 No measurement for payment will be made for this item.

4. Basis of Payment

.1 Payment for this item at the lump sum price shall be full compensation for all labour, material and equipment necessary to complete the work. For progress payments, 50% of the lumpsum price will be paid upon completion of initial installation of the temporary water system. The remaining 50% will be paid at the end of the construction period upon removal of the temporary water system.

INTERRUPTION OF WATER SERVICE

Notice [Hand Delivered / Distributed]:
Click or tap to enter a date.

Scheduled Water Main Shutdown: Area Municipality Location [General] – Description of Repairs

- Street #1 Name (List Affected Addresses)
- Street #2 Name (List Affected Addresses)
- Etc.

The District Municipality of Muskoka requires a temporary shutdown to address an infrastructure repair, resulting in a water service interruption.

[Single Day] Water to your property will be turned off on Click or tap to enter a date. at Time of Interruption and is expected to resume by Time of Resumption.

OR

[Multi Day] Water to your property will be turned off during the following dates and times:

- Click or tap to enter a date. (Time of Interruption – Time of Resumption)
- Click or tap to enter a date. (Time of Interruption – Time of Resumption)
- Etc.

Although work is expected to be completed as scheduled above, if there are complications with this repair and the timeframe is extended or altered in any way, you will be advised.

What you should do to prepare:

Prior to the scheduled water service shut down, we recommend that you fill a bathtub with water (to use for flushing toilets or miscellaneous tasks), close the main water valve (nearest to your water meter) and avoid using any sinks, showers, appliances or other fixtures while the work takes place.

While the water is shut off, toilets may be flushed by manually filling the tank on the back of the toilet with water and flushing normally.

It is recommended you turn off your hot water tank valve or turn off the breaker switch to your electric hot water tank, to avoid burning out the elements.



What you should do when service is returned:

When the work is complete, we recommend that you turn the main valve in your basement back on and run water through the cold water tap on your laundry tub for approximately five (5) minutes to “flush” your system. You may notice some discolouration or cloudiness during this time; this is normal and should clear up as the flushing takes place. If your water still does not clear up, please contact us at the number(s) listed below at your earliest convenience.

We thank you for your patience and cooperation as these required infrastructure repairs are completed. If you have questions or concerns, please don't hesitate to contact us directly.

Sincerely,

The District Municipality of Muskoka

Contractor Contact

CA Contact

Project Manager (OPTIONAL)

Title, Division

The District Municipality of Muskoka

Transportation Engineering

(705) 645 6764

email@muskoka.on.ca