

CORPORATION OF THE TOWN OF AMHERSTBURG

BY-LAW NO. 2003-63

Being a By-law to authorize the construction of a Watermain on the 5th Concession South and the Signing of an agreement between the Corporation of the Town of Amherstburg and Marchand Excavating Contractors Ltd.

WHEREAS owners of property on the 5th Concession South have petitioned the Town to construct a watermain to service their properties and;

WHEREAS Council appointed Bruce D. Crozier Engineering Inc. to prepare a report for consideration and;

WHEREAS the report dated October 11, 2002 was accepted by Council at a meeting on October 15, 2002 and;

WHEREAS Bruce D. Crozier Engineering Inc. prepared the necessary drawings, specifications and completed the tendering process and;

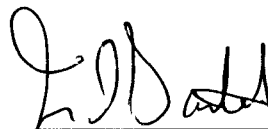
WHEREAS at the meeting of June 9, 2003 Council accepted the recommendation of the Engineer to accept the low tender submitted by Marchand Excavating and;

WHEREAS the Ministry of the Environment has issued Certificate of Approval Number 2048-5MZRWB, dated May 30, 2003 for the project

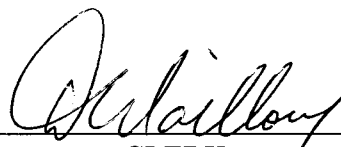
NOW THEREFORE THE CORPORATION OF THE TOWN OF AMHERSTBURG ENACTS AS FOLLOWS:

1. That the report dated October 11, 2002 prepared by Bruce D. Crozier Engineering Inc. be accepted.
2. That the Mayor and Clerk be authorized to sign and apply the seal to the contract with Marchand Excavating Contractors Ltd. in the amount of \$229,012.36 including GST.
3. That the area served by the proposed watermain be included in the Town of Amherstburg Water Service Area.
4. That this By-law shall come into force and take effect immediately upon passing thereof.

READ a first, second and third time and finally passed this 11th day of August, 2003.



MAYOR



CLERK

Certified to be a true copy of
By-law No. 2003-63 passed on
August 11, 2003.

Clerk

THIS AGREEMENT made in triplicate this _____ day of June 2003

BETWEEN:

Town of Amherstburg
(hereinafter called the "OWNER")

OF THE FIRST PART

and

Marchand Excavating Contractors Ltd.
(hereinafter called the "CONTRACTOR")

OF THE SECOND PART.

WHEREAS the Tender of the CONTRACTOR respecting the construction work, hereinafter referred to and described, was accepted by the OWNER on the 9th day of June 2003.

THEREFORE THIS AGREEMENT WITNESSED that in consideration of the premises and the covenants hereafter contained the Parties hereto agree as follows:

1. The Contractor hereby covenants and agrees to provide and supply at his expense, all and every kind of labour, machinery, equipment and materials for, and to undertake and complete in strict accordance with his Tender dated the 4th day of June 2003, and the Contract Documents (consisting of the General Conditions of Contract, Drawings, Specifications, Information to Tenderers, Special Provisions of Contract, if any, (including all modifications thereof and incorporated in the said documents before their execution) prepared by BRUCE D. CROZIER ENGINEERING INC., and all of which said documents are annexed hereto and form part of this Agreement to the same extent as if fully embodied herein, the construction of the

WATER DISTRIBUTION SYSTEM ON THE 5TH CONCESSION ROAD, IN THE TOWN OF AMHERSTBURG for the total sum of Two Hundred and Twenty-Nine Thousand, Nine Hundred and Forty-One -----74 /100 dollars (\$ 229,941.74)

2. The Contractor further covenants and agrees to undertake and complete the said work in a proper workmanlike manner under the supervision and direction and to the entire satisfaction of BRUCE D. CROZIER ENGINEERING INC., within the specified time in his Tender. Time shall be deemed the essence of the Contract.

3. The Contractor further covenants and agrees that he will at all times, indemnify and save harmless, the CORPORATION OF THE TOWN OF AMHERSTBURG and BRUCE D. CROZIER ENGINEERING INC., along with their respective officers, servants and agents, from and against all loss and damages whatsoever which may be made or brought against the above listed by reason or in consequence of the non-execution or negligent execution thereof by the Contractor, its servants, agents or employees.

4. The Owner hereby covenants and agrees that if the said Work is duly and properly executed and materials are provided as aforesaid, and if the said Contractor carries out, performs and observes all of the requirements and conditions of this Agreement, the Owner will pay to the Contractor, the price set forth in his Tender, such payment or payments to be made in accordance with the provisions of the General Conditions of the Contract referred to above.

5. This Agreement and everything herein contained shall endure to the benefit of and be binding upon the parties hereto, their heirs, executors, administrators, successors and assigns, respectively.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their Corporate Seals, if any, duly attested by the signature of their proper officers in that behalf, respectively.

Lynn Marchand
WITNESS AS TO SIGNATURE
OF CONTRACTOR

Lynn Marchand
Contractor's Signature and Seal

Marchand Excavating Contractors Ltd.
Contractor's Name

Box 119
Comber, Ontario N0P 1J0
Contractor's Address

TOWN OF AMHERSTBURG

WITNESS AS TO SIGNATURE OF
OWNER

Luigi DiBartolomeo
Mr. DiBartolomeo, Mayor

Dave Mailloux
Mr. Dave Mailloux, Clerk

October 11, 2002

Corporation of the Town of Amherstburg
271 Sandwich Street South
Amherstburg, Ontario
N9V 2Z3

Mayor DiBartolomeo & Councillors

**SUBJECT: Watermain Loop on 5th Concession Road
Between County Road #20 and Pike Road
In the Town of Amherstburg
Our File Reference BC-02-032**

As requested by the Public Works Manager for the Town of Amherstburg, Mr. Lou Zarlenga, we have prepared a Preliminary Report, Preliminary Sketch Plan, Estimate of Cost and Schedule of Assessment for a proposed 150 mm diameter waterline to be constructed between County Road #20 and Pike Road, along the 5th Concession Road.

Currently there is an existing 50 mm diameter watermain along the 5th Concession Road from County Road #20 to a point part way across Lot 50. There is also an existing 50 mm diameter waterline on the Middle Sideroad which crosses the 5th Concession Road. These existing 50 mm diameter watermains will remain unchanged.

Since there are properties both north and south of the Middle Sideroad that are requesting to be provided with municipal water, we are proposing to construct a 150 mm diameter watermain between Pike Road and the north end of the existing 50 mm diameter watermain on the 5th Concession Road.

It is proposed to install a 150 mm diameter watermain in order that fire hydrants can be installed along the new watermain at approximately 300 metre intervals. The fire hydrants will provide fire protection for the existing dwellings along the length of the 5th Concession Road. We have proposed that the fire hydrants and associated costs be assessed to the Municipality, since they will also provide fire protection to future dwellings that may be constructed along the 5th Concession Road.

Since the properties which are requesting municipal water are located south and north of the Middle Sideroad there is a section of the proposed watermain which will not provide service to any existing dwellings. This length is approximately 1130 metres or approximately 37% of the total length of the proposed watermain. We are proposing that this section of watermain be assessed to the Municipality and be referred to as a "looping" section of the watermain.

When the cost of the fire hydrants and the "looping" watermain have been taken off the total project cost, the balance would be assessed equally to the nine (9) properties which are requesting to be provided with municipal water.

There are a number of properties which have frontage along the length of the proposed watermain, that may request municipal water at some future date. We would recommend that each individual property that requests municipal water from this watermain be required to pay the same cost that will be paid by the properties currently being assessed under this report. The cost of the installation of the private service connections would be assessed at the municipality's rate for installing private service connections at the time the municipal water supply is requested.

Should a request be made for additional properties to be connected to this watermain before the construction of the watermain is completed and before the Municipality has billed out final assessments the overall watermain assessments would be decreased because of the increased number of water consumers involved in assessment. Therefore, the additional properties and the properties currently being assessed in this report would be assessed an equal amount.

If, however, additional properties request to be connected to the watermain, after the assessments have been sent out by the Municipality, the amount of the assessment should be equal to the final assessment determined for the water consumers included in this report. The assessment monies collected by the Municipality should be used to retire their cost contribution for the fire hydrants and "looping" watermain. When these costs have been retired, additional monies collected should be set aside for future maintenance, repairs or replacement of this particular watermain.

We would recommend that the proposed watermain and private service connections be installed approximately at the locations as shown on the accompanying sketch plan. It will also be a requirement of the water consumers who are receiving a private service connection, to their respective dwelling, to obtain a water meter and remote head reader from the Town of Amherstburg. The water consumer will have to pay for the meter and remote head reader along with the Town's cost for installation of same, when the Consumer requests the meter and remote reader to be installed.

Our estimate of the cost of the work for a 150 mm diameter watermain including all incidental expenses is the sum of \$258,324.00 made up as follows:

Approx.	3052	Metres of 150 mm diameter P.V.C. Series 160 watermain pipe, supplied, laid, bedded and backfilled complete, including tracer wire, chlorinating and pressure testing complete at \$32.00 per metre.	\$ 97,664.00
Approx.	3	150 mm diameter valves and boxes, M.J. supplied and set complete including "Protecto Caps" at \$850.00 each.	\$ 2,550.00
Approx.	9	Private service connections 18 mm diameter Type "K" copper service connection, including saddles, main stop and curb stop supplied and set complete including boulevard and/or lawn restoration complete,	
		6 at an average length of 16.5 m long at \$1,200.00 ea.	\$ 7,200.00
		3 at an average length of 3.5 m long at \$800.00 each.	\$ 2,400.00
Approx.	10	150 x 150 x 150 mm tee, 150 mm gate valve and boxes, 150 mm nipple, 150 mm hydrant, supplied and set complete including "Protecto Caps" and rodding complete at \$2,850.00 each.	\$ 28,500.00
Approx.	1	300 x 300 x 150 mm tapping sleeve and 150 mm gate valve and box, supplied and set complete including "Protecto Caps" complete at \$4,200.00 each.	\$ 4,200.00
Approx.	28	Metres of 300 mm diameter steel casing pipe, with plastic spacers and end caps, supplied and bored across road complete at \$300.00 per metre.	\$ 8,400.00
Approx.	30	Metres of 450 mm diameter C.S.P. 14 gauge for access culverts for fire hydrants, supplied, laid and backfilled complete at \$175.00 per metre.	\$ 5,250.00
Approx.	165	Square metres of gabion stone on filter fabric, end of pipe slope protection, supplied and set complete at \$24.00 per square metre	\$ 3,960.00
Approx.	520	Tonnes of Granular "B" material O.P.S.S. 1010, supplied, placed and compacted in trench under driveways complete at \$12.00 per tonne.	\$ 6,240.00
Approx.	170	Tonnes of Granular "A" material O.P.S.S. 1010, supplied, placed and compacted as the top 300 mm of the trench backfill across driveways complete at \$18.00 per tonne.	\$ 3,060.00
Approx.	L.S.	Boulevard and lawn restoration complete at \$18,000.00 lump sum.	\$ 18,000.00
		Contingency Allowance	<u>\$ 22,000.00</u>


TOTAL	\$209,424.00
7% G.S.T.	\$ 14,660.00
TOTAL CONSTRUCTION COST	\$224,084.00
Engineering Fees	\$ 32,000.00
7% G.S.T.	\$ 2,240.00
TOTAL ESTIMATED COST	\$258,324.00

ASSESSMENT CALCULATIONS (150 mm Watermain)

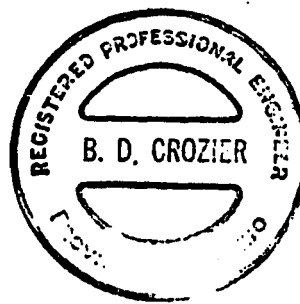
Estimated Cost of Fire Hydrants	\$ 51,975.00
Estimated Cost of Watermain Looping	\$ 81,800.00
Balance of Estimated Cost of Watermain	\$111,319.00
Total Number of Assessable Properties	9.0
Estimated cost per property with a dwelling	\$ 12,368.78
Estimated cost of 18 mm diameter private service connections.	\$ 13,230.00
Number of 18 mm diameter private service connections.	9.0
Average cost for each 18 mm diameter private service connection.	\$ 1,470.00

The estimated lifetime of the work is an excess of 30 years. I would recommend the assessment be made payable in 5 years.

All of which is respectfully submitted by


Bruce D. Crozier, P.Eng.

BRUCE D. CROZIER ENGINEERING INC.
1940 MERSEA ROAD 4 EAST, R.R.#4
LEAMINGTON, ONTARIO
N8H 3V7



SCHEDULE OF ASSESSMENT
FOR THE
5TH CONCESSION ROAD WATERMAIN
BETWEEN
COUNTY ROAD #20 AND PIKE ROAD
IN THE
TOWN OF AMHERSTBURG
OUR FILE REFERENCE BC-02-032

October 11, 2002

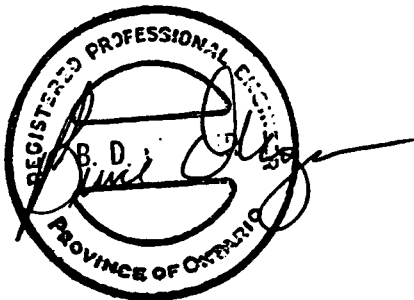
ENTRY NO.	CON.	LOT OR PART OF LOT OWNED	ROLL NUMBERS	NAME OF OWNER	ASSESSABLE UNITS	COST OF WATERMAIN TO WATER CONSUMER	COST OF 18 mm PRIVATE SERVICE CONNECTIONS TO CONSUMERS	TOTAL COST TO WATER CONSUMER
EAST SIDE OF 5TH CONCESSION ROAD								
1	5	50	580-02400	GARY & ROSE LARAMIE	0.0	\$ 0.00	\$ 0.00	\$ 0.00
2	5	50	580-02450	GARY LARAMIE	1.0	12,368.78	1,470.00	13,838.78
3	5	50	580-02500	JAMES & SHIRLEY PAQUETTE	1.0	12,368.78	1,470.00	13,838.78
4	5	50	580-02550	J. PAQUETTE & K. RACINE	1.0	12,368.78	1,470.00	13,838.78
5	5	49 & 50	580-02600	BERNARD PAQUETTE	1.0	12,368.78	1,470.00	13,838.78
6	5	48	630-02200	EVERETTE & PATRICIA DINGLE	0.0	0.00	0.00	0.00
7	5	48	630-02100	STANLEY & MAUREEN LARABEE	1.0	12,368.78	1,470.00	13,838.78
8	5	48	630-02150	WAYNE & KAREN DINGLE	1.0	12,368.78	1,470.00	13,838.78

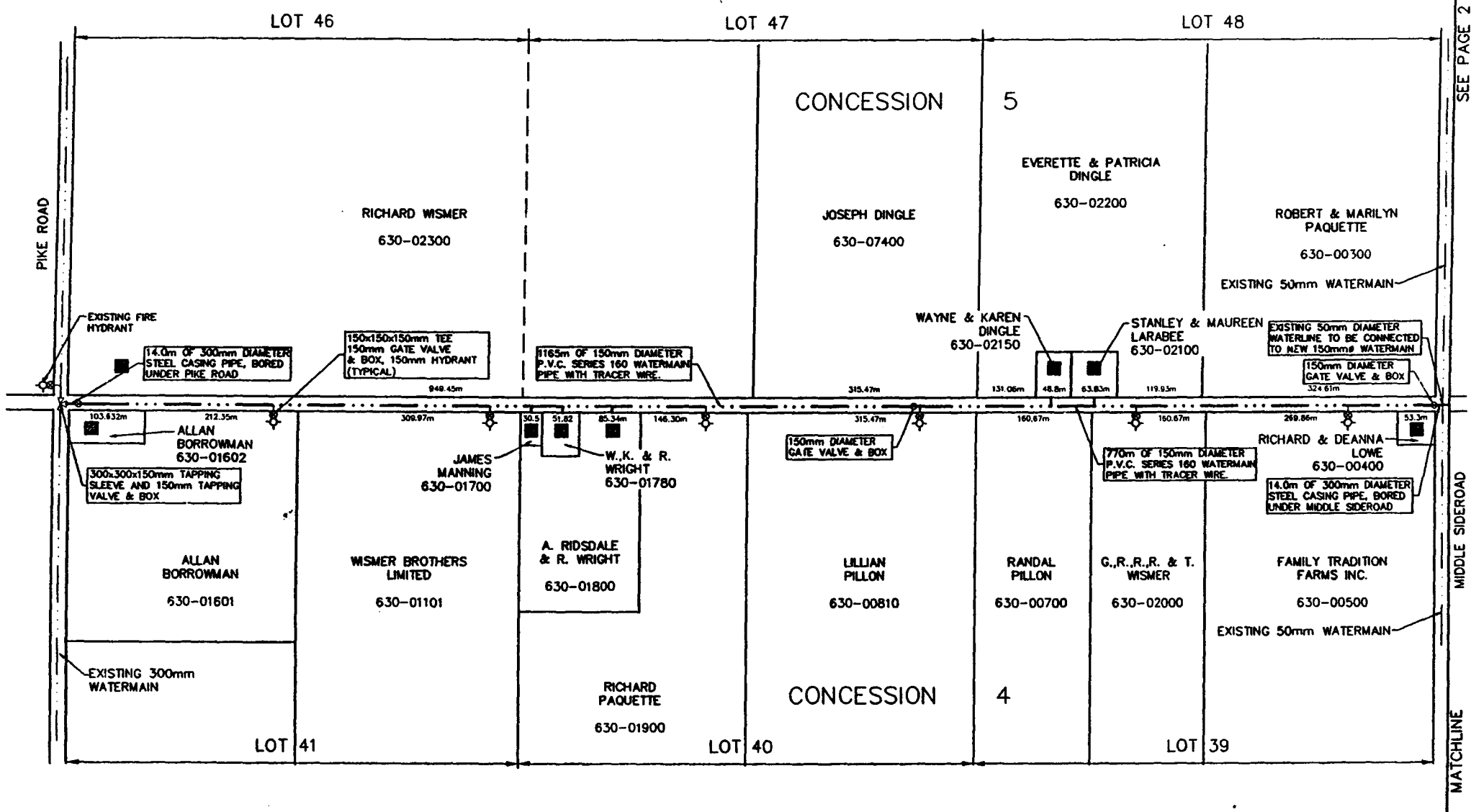
SCHEDULE OF ASSESSMENT
FOR THE
5TH CONCESSION ROAD WATERMAIN
BETWEEN
COUNTY ROAD #20 AND PIKE ROAD
IN THE
TOWN OF AMHERSTBURG

ENTRY NO.	CON.	LOT OR PART OF LOT OWNED	ROLL NUMBERS	NAME OF OWNER	ASSESSABLE UNITS	COST OF WATERMAIN TO WATER CONSUMER	COST OF 18 mm PRIVATE SERVICE CONNECTIONS TO CONSUMERS	TOTAL COST TO WATER CONSUMER
<u>WEST SIDE OF 5TH CONCESSION ROAD</u>								
9	4	36	580-02300	EDWARD WRIGHT	0.0	\$ 0.00	\$ 0.00	\$ 0.00
10	4	36	580-02200	BRADLEY & DOROTHY MELOCHE	0.0	0.00	0.00	0.00
11	4	37	580-02100	MICHAEL & SANDRA BENETEAU	0.0	0.00	0.00	0.00
12	4	37	580-02000	MICHAEL & SANDRA BENETEAU	0.0	0.00	0.00	0.00
13	4	37	580-01500	FRANK & CAROL MILLER	0.0	0.00	0.00	0.00
14	4	37	580-01901	JOHN & ELIZABETH McCORQUODALE	0.0	0.00	0.00	0.00
15	4	38	580-01601	FRANK MILLER	0.0	0.00	0.00	0.00
16	4	38	580-01700	NANCY WENTZLAFF	0.0	0.00	0.00	0.00
17	4	39	630-02000	G.R.R.R.&T. WISMER	0.0	0.00	0.00	0.00
18	4	39	630-00700	RANDAL PILLON	0.0	0.00	0.00	0.00
19	4	40	630-00810	LILLIAN PILLON	0.0	0.00	0.00	0.00

**SCHEDULE OF ASSESSMENT
FOR THE
5TH CONCESSION ROAD WATERMAIN
BETWEEN
COUNTY ROAD #20 AND PIKE ROAD
IN THE
TOWN OF AMHERSTBURG**

ENTRY NO.	CON.	LOT OR PART OF LOT OWNED	ROLL NUMBERS	NAME OF OWNER	ASSESSABLE UNITS	COST OF WATERMAIN TO WATER CONSUMER	COST OF 18 mm PRIVATE SERVICE CONNECTIONS TO CONSUMERS	TOTAL COST TO WATER CONSUMER
20	4	40	630-01900	RICHARD PAQUETTE	0.0	\$ 0.00	\$ 0.00	\$ 0.00
21	4	40	630-01800	A. RIDSDALE & R. WRIGHT	1.0	12,368.78	1,470.00	13,838.78
22	4	40	630-01780	W.K. & R. WRIGHT	1.0	12,368.78	1,470.00	13,838.78
23	4	40	630-01700	JAMES MANNING	1.0	12,368.78	1,470.00	13,838.78
24	4	41	630-01101	WISMER BROTHERS LIMITED	0.0	0.00	0.00	0.00
SUB-TOTAL					9	\$111,319.00	\$ 13,230.00	\$124,549.00
MUNICIPALITIES CONTRIBUTION FOR FIRE HYDRANTS						\$ 51,975.00	\$ 0.00	\$ 51,975.00
MUNICIPALITIES CONTRIBUTION FOR WATERMAIN LOOPING						\$ 81,800.00	\$ 0.00	\$ 81,800.00
TOTAL						\$245,094.00	\$ 13,230.00	\$258,324.00





SEE PAGE 2

MIDDLE SIDEROAD

MATCHLINE

SCALE PLAN N.T.S.

THIS PLAN HAS BEEN REDUCED IN SIZE FOR PRESENTATION PURPOSES AND THEREFORE IT IS NOT TO THE SCALE INDICATED. A FULL SIZE SET OF DRAWINGS IS AVAILABLE FOR REVIEW AT THE OFFICE OF THE CONSULTANT.

	DATE	REVISIONS

BRUCE D. CROZIER ENGINEERING INC.
1000 ...

5th CONCESSION ROAD WATERMAIN LOOP
TOWN OF AMHERSTBURG
WATERMAIN LAYOUT

OCT 11/02	BC-02-032
AS NOTED	
A.P.	
B.D.C.	
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SEE PAGE 1

MIDDLE SIDEROAD

COUNTY ROAD 20

MATCHLINE

LOT 49

LOT 50

LOT 51

CONCESSION 5

LEO PAQUETTE
580-02700

BERNARD PAQUETTE
580-02600

GARY & ROSE LARAMIE
580-02400

GEORGE & RUTH VANDENBRINK
580-00300

J. PAQUETTE & K. RACINE
580-02550

JAMES & SHIRLEY PAQUETTE
580-02500

GARY LARAMIE
580-02450

1117m OF 150mm DIAMETER P.V.C. SERIES 160 WATERMAIN PIPE WITH TRACER WIRE.
327.66m

PLUG WITH 2" CORPORATION STOP
331.665m

EXISTING 50mm WATERMAIN

327.66m

163.06m

155.44m

159.58m

156.97m

166.10m

153.92m

152.09m

170.38m

307.84m

PAQUETTE FARMS OF MALDEN LTD.
580-01900

NANCY WENTZLAFF
580-01700

FRANK MILLER
580-01601

JOHN & ELIZABETH McCORQUODALE
580-01901

FRANK & CAROL MILLER
580-01500

MICHAEL & SANDRA BENETEAU
580-02000

SANDRA BENETEAU
580-02100

BRADLEY & DOROTHY MELOCHE
580-02200

EDWARD WRIGHT
580-02300

JOHN SHEPRAK
580-00400

150mm DIAMETER GATE VALVE & BOX

EXISTING 200mm WATERMAIN

CONCESSION 4

LOT 38

LOT 37

LOT 36

SCALE PLAN N.T.S.

THIS PLAN HAS BEEN REDUCED IN SIZE FOR PRESENTATION PURPOSES AND THEREFORE IT IS NOT TO THE SCALE INDICATED. A FULL SIZE SET OF DRAWINGS IS AVAILABLE FOR REVIEW AT THE OFFICE OF THE CONSULTANT.



BRUCE D. CROZIER P.Eng

DATE	REVISIONS



BRUCE D. CROZIER ENGINEERING INC.

5th CONCESSION ROAD WATERMAIN LOOP
TOWN OF AMHERSTBURG
WATERMAIN LAYOUT

OCT 11/02	BC-02-032
AS NOTED	
A.P.	
B.D.C.	

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