

IN THE MATTER OF THE *DRAINAGE ACT*, R.S.O. 1990, CHAPTER D.17, AS AMENDED

Tribunal File No.: 007Dell21

AGRICULTURE, FOOD AND RURAL AFFAIRS APPEAL TRIBUNAL

B E T W E E N :

806584 Ontario Ltd. (Jeff Ferguson), Gary & Frances Somerville, Keith Helmer, Phil
McNamee Charitable Foundation, Roger Somerville, Somerville Farms Sparta Ltd.,
Walter Hayhoe Enterprises Inc., William Jacklin

Appellants

– and –

The Corporation of the Municipality of Central Elgin

Respondent

APPELLANTS' EXPERT REPORT VOLUME 2

April 6, 2022

LERNERS LLP
85 Dufferin Avenue
P.O. Box 2335
London, Ontario N6A 4G4

Jacob R.W. Damstra LS#: 69805S
jdamstra@lerners.ca
Tel: 519.640.6333
Fax: 519.932.3333

Jeffrey R. Risdon LS#: 80208E
jrisdon@lerners.ca
Tel: 519.640.6384
Fax: 519.932.3384

Lawyers for the Appellants

TO: Dianne Wilson, Deputy Clerk
The Corporation of the Municipality of Central Elgin
450 Sunset Drive
St. Thomas, ON N5R 5V1
Email: dwilson@centralelgin.org

AND TO: Tania Meresz
Agriculture, Food and Rural Affairs Appeal Tribunal
1 Stone Road West, 2nd Floor NW
Guelph, ON N1G 4Y2
Email: Tania.Meresz@ontario.ca

AND TO: Paula Lombardi
Siskinds LLP
275 Dundas Street, Unit 1
London, ON N6B 3L1
Email: Paula.Lombardi@siskinds.com

1. John Kuntze's P. Eng. Report dated April 4, 2022

- 1) **Appendix "D"**, Maps enclosed in the Dell Drain Outlet Report - November 26, 2020
- 2) **Appendix "E"**, Maps enclosed in the Branch "G" Dell Municipal Drain Report October 30, 2015
- 3) **Appendix "G"**, Maps enclosed in the Dell Drain 1997 Drawings June 20, 1997

APPENDIX D

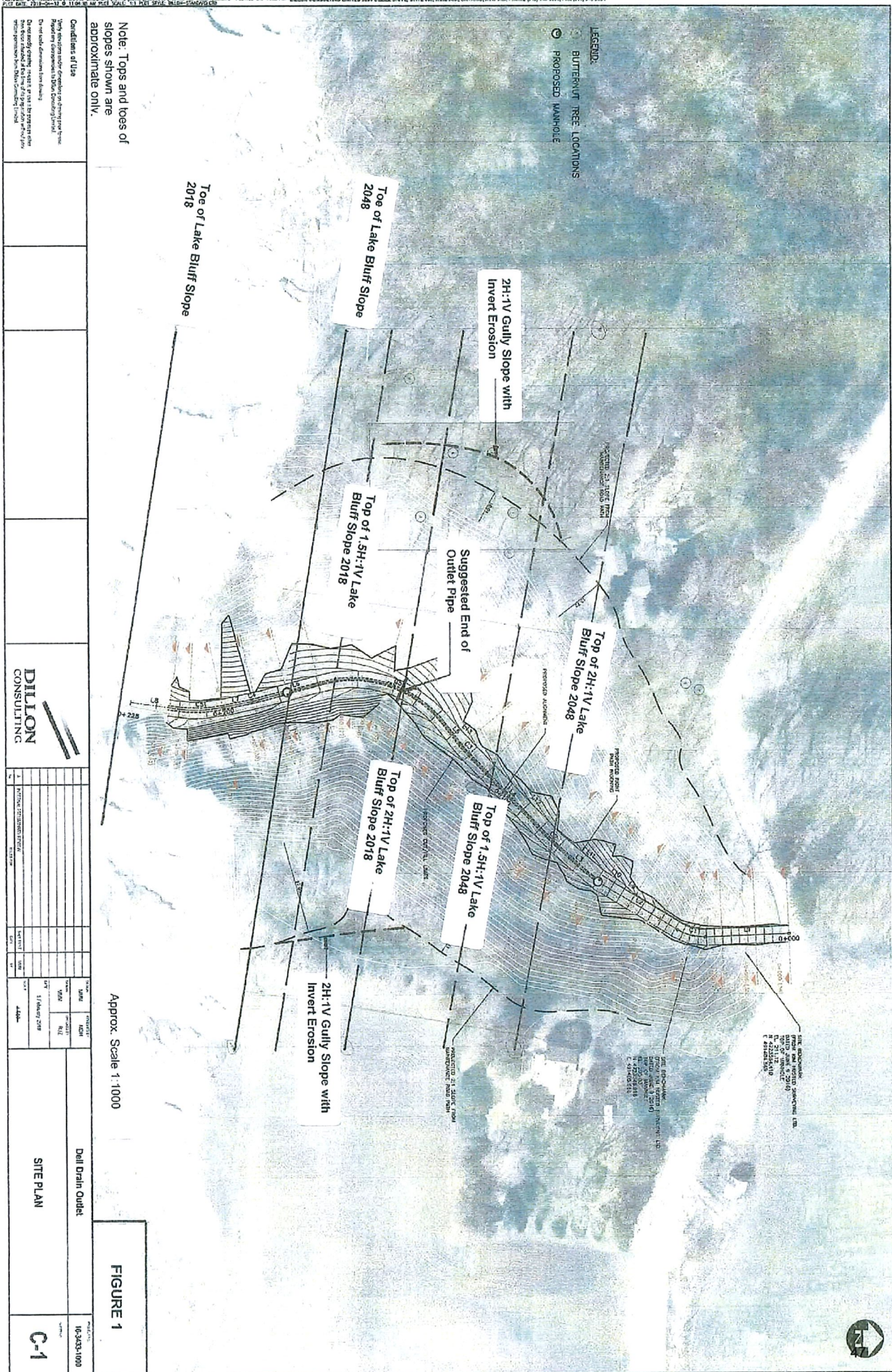
DELL DRAIN OUTLET

REPORT

November 26, 2020

K. SMART ASSOCIATES LIMITED

85 McIntyre Drive, Kitchener, ON, N2R 1H6



Note: Tops and toes of slopes shown are approximate only.

Conditions of Use

Verify the items under **Granting** on **Granting from to you**. Report any discrepancies to Dixon Consulting Limited.

**DILLON
CONSULTING**

[illegible]

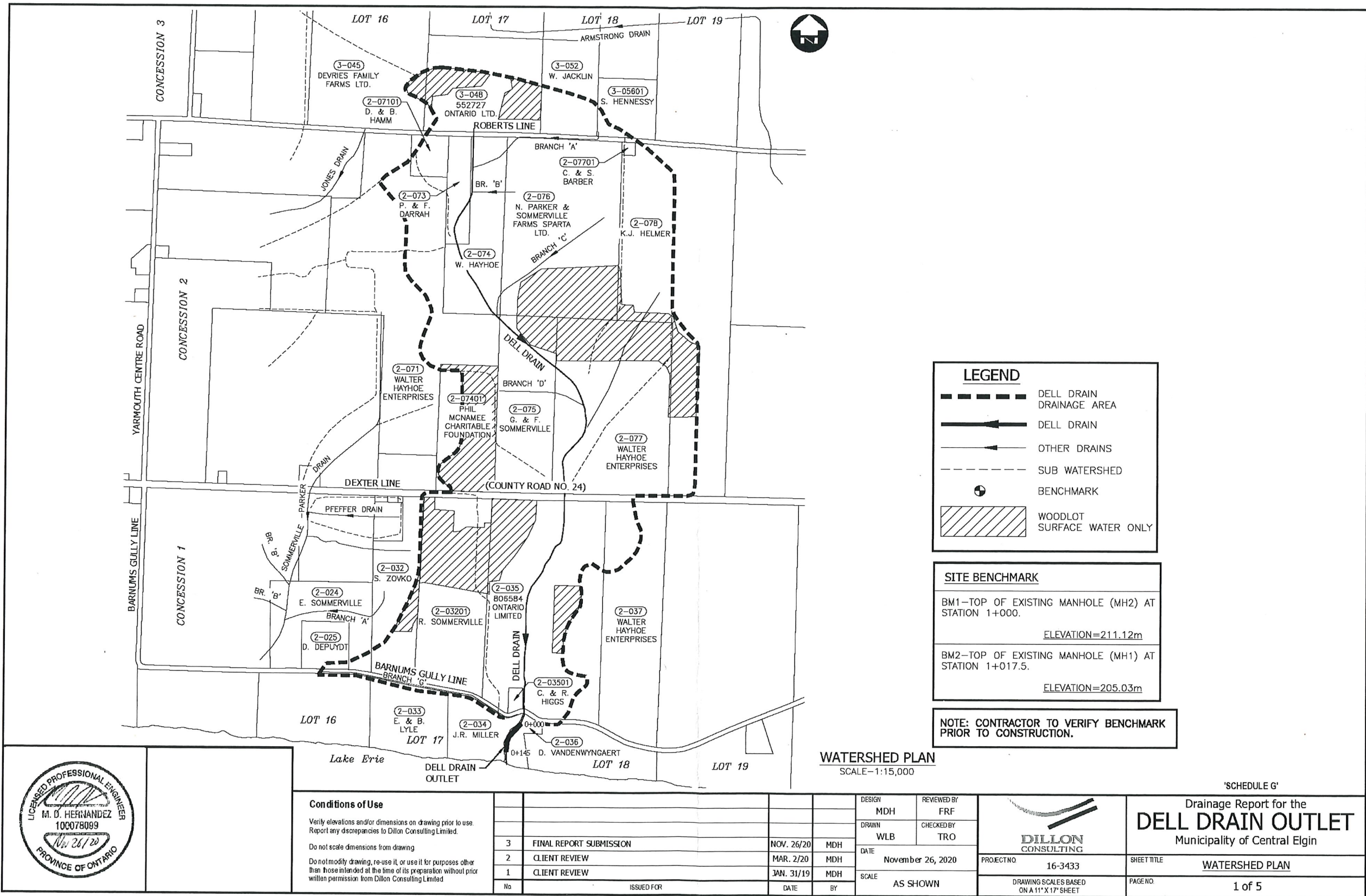
SITE PLAN

Dell Drain Outlet

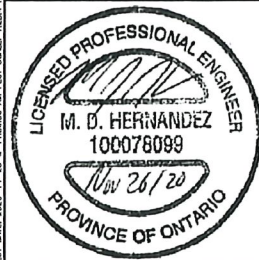
5

16-3433-1000

Nov 26, 2020 - 11:35am C:\pwworking\directory\projects to 2017\33wib\40291916\163433-03-DRN-CON (1).dwg



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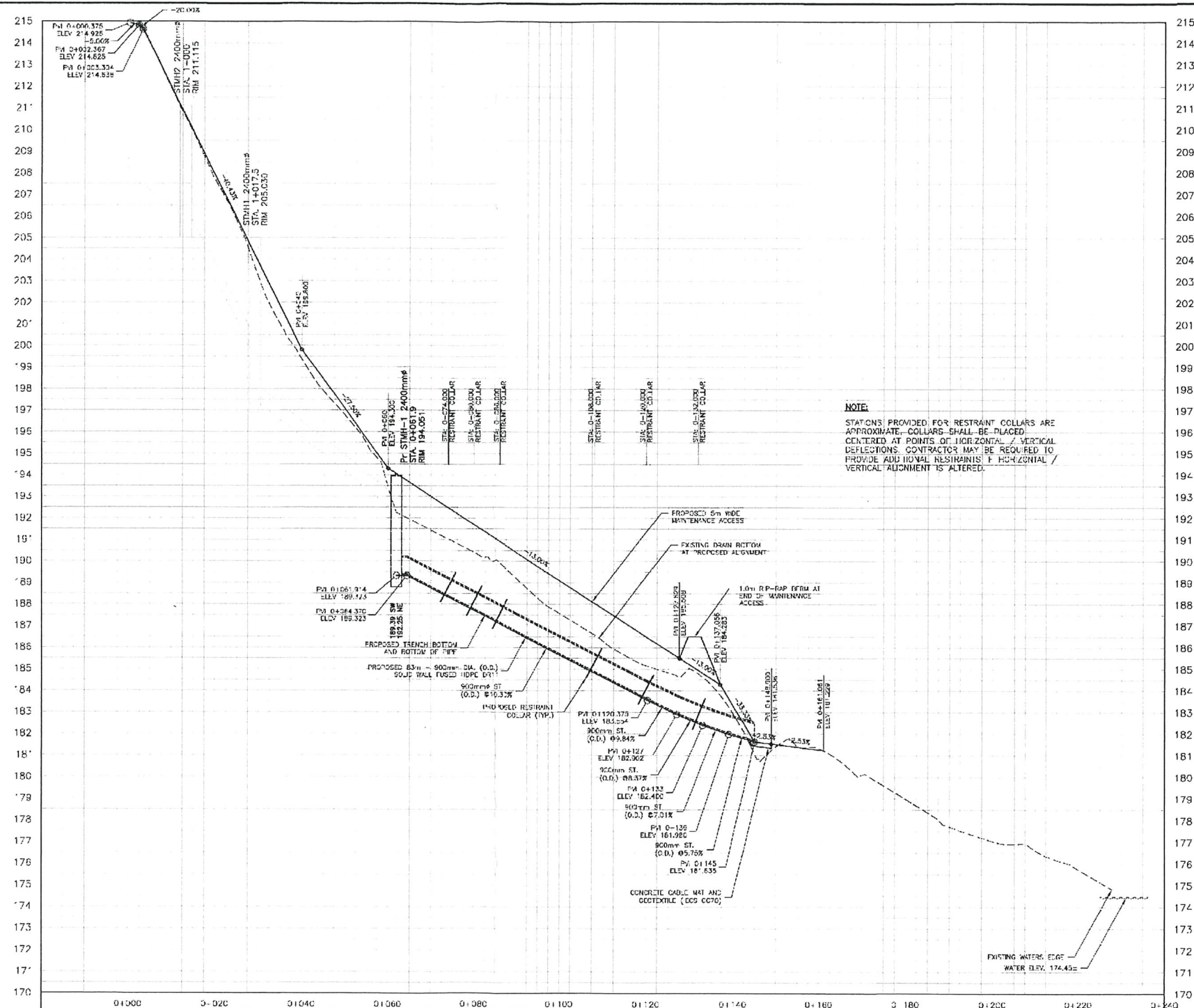
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No.	ISSUED FOR	DATE	BY
3	FINAL REPORT SUBMISSION	NOV. 26/20	MDH
2	CLIENT REVIEW	MAR. 2/20	MDH
1	CLIENT REVIEW	JAN. 31/19	MDH

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DRAWN	MMM	CHECKED BY	TRO
DATE	November 26, 2020		
SCALE	1:1000		

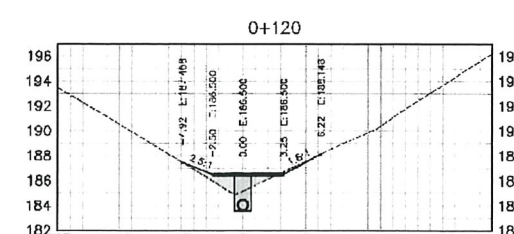
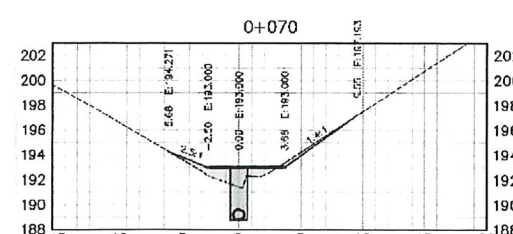
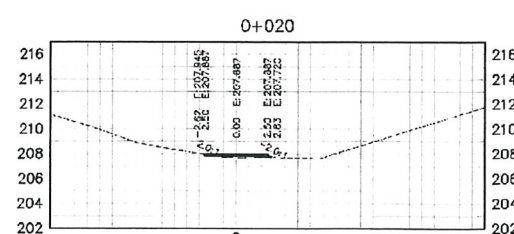
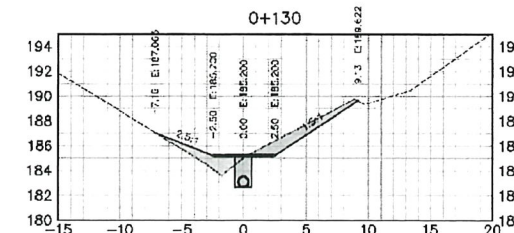
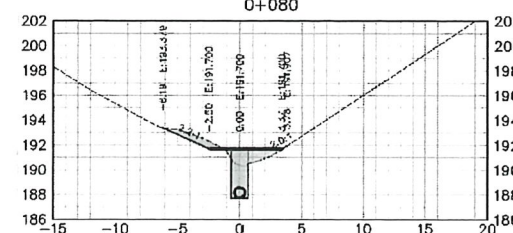
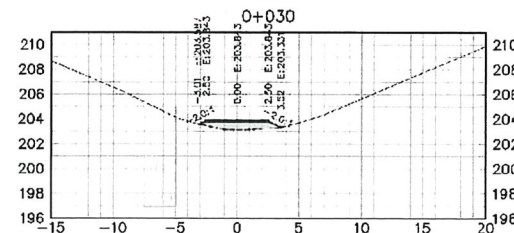
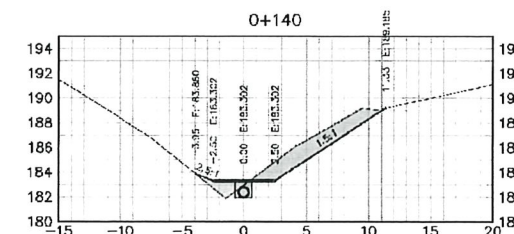
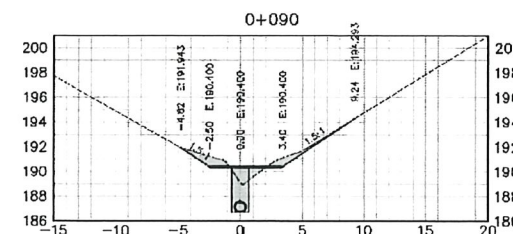
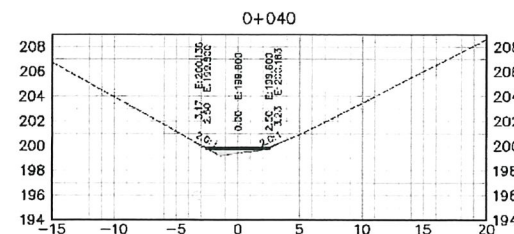
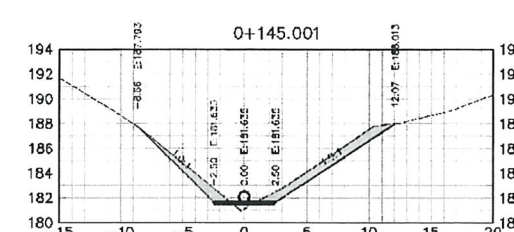
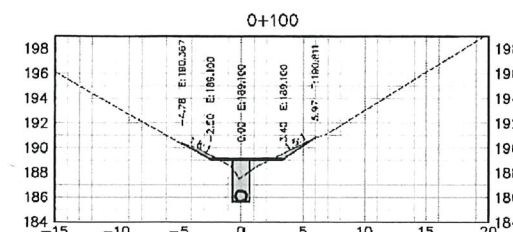
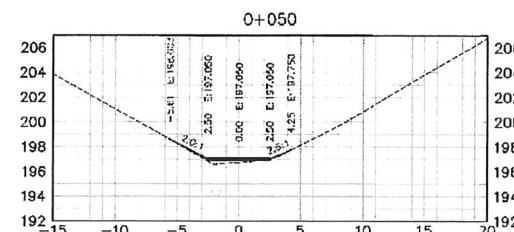
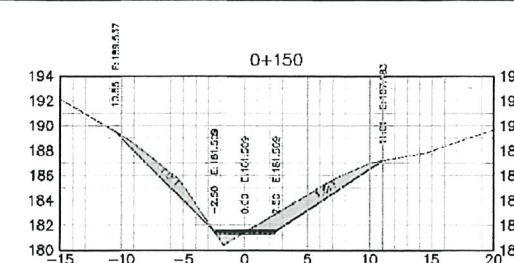
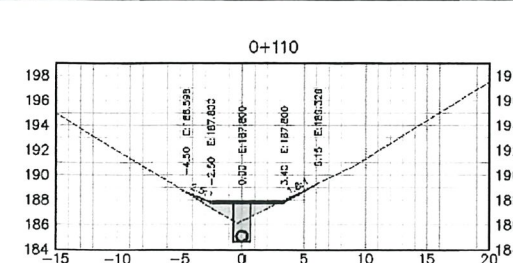
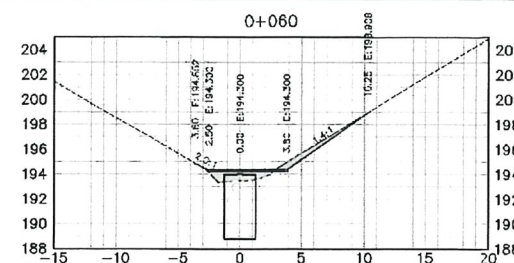
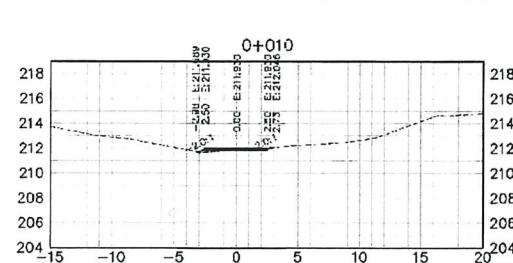
PROJECT NO.	16-3433
DRAWING SCALES BASED ON A 11" X 17" SHEET	

Drainage Report for the DELL DRAIN OUTLET Municipality of Central Elgin	
SHEET TITLE	PROFILE
PAGE NO	3 of 5



NOTE:
STATIONS PROVIDED FOR RESTRAINT COLLARS ARE APPROXIMATE. COLLARS SHALL BE PLACED CENTERED AT POINTS OF HORIZONTAL / VERTICAL DEFLECTIONS. CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL RESTRAINTS IF HORIZONTAL / VERTICAL ALIGNMENT IS ALTERED.

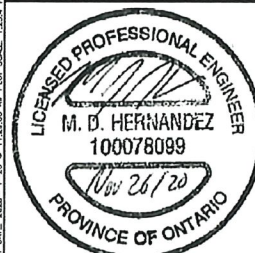
'SCHEDULE G'



TOTAL VOLUME TABLE							
Station	Fill Area (Sq.M.)	Cut Area (Sq.M.)	Fill Volume (Cu.M.)	Cut Volume (Cu.M.)	Cum. Fill Vol. (Cu.M.)	Cum. Cut Vol. (Cu.M.)	Cum. Net Vol (Cu.M.)
0+00C	0.000	0.000	0.000	0.000	0.00	0.00	0.00
0+010	0.466	0.086	2.330	6.430	2.33	0.43	-1.80
0+020	0.774	0.007	6.200	6.465	8.53	0.90	-7.64
0+030	3.590	0.000	21.820	6.035	30.35	0.93	-29.42
0+040	1.722	0.028	26.560	0.140	56.9	1.07	-55.84
0+050	1.746	0.000	17.340	0.140	74.25	1.21	-73.04
0+060	3.675	2.423	28.105	12.115	102.36	13.33	-89.03
0+070	9.319	5.100	65.970	37.655	168.33	50.99	-117.35
0+080	7.204	5.739	82.615	54.235	250.94	105.22	-145.73
0+090	5.197	7.305	62.005	65.220	312.95	170.44	-142.51
0+100	5.260	4.424	52.285	58.645	365.23	229.08	-136.15
0+110	7.284	2.576	62.720	35.000	427.95	264.08	-163.87
0+120	6.928	2.464	71.060	25.350	498.01	289.43	-208.58
0+130	4.364	6.275	56.460	43.645	555.47	333.28	-222.20
0+140	2.270	13.165	33.170	97.220	588.64	430.50	-159.15
0+145	0.301	13.360	6.428	66.323	595.07	496.82	-98.25
0+150	1.028	16.691	3.323	74.603	598.39	571.26	-27.62
0+161.00	4.843	16.317	32.407	52.037	630.86	753.76	122.90

LEGEND:

 RED DENOTES CLT AREA
 GREEN DENOTES FIL AREA



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						DESIGN	REVIEWED BY
						MMM	FRF
						DRAWN	CHECKED BY
						MMM	TRO
3	FINAL REPORT SUBMISSION		NOV. 26/20	MDH		DATE November 26, 2020	
2	CLIENT REVIEW		MAR. 2/20	MDH			
1	CLIENT REVIEW		JAN. 31/19	MDH		SCALE	HORIZ.-1:500 VERT.-1:500
Nk	ISSUED FOR		DATE	BY			

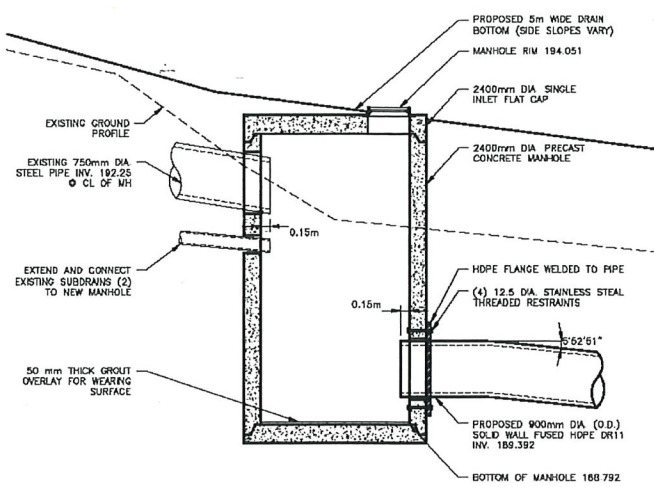
DESIGN	REVIEWED BY
MMM	FRF
DRAWN	CHECKED BY
MMM	TRO
DATE	November 26, 2020
SCALE	HORIZ.-1:500 VERT.-1:500



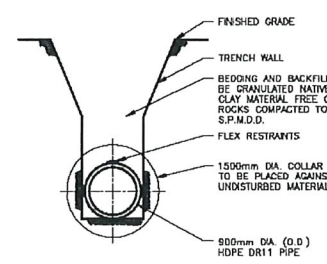
PROJECT NO.	16-3433
DRAWING SCALES BASED ON A 11" X 17" SHEET	

Drainage Report for the DELL DRAIN OUTLET Municipality of Central Elgin

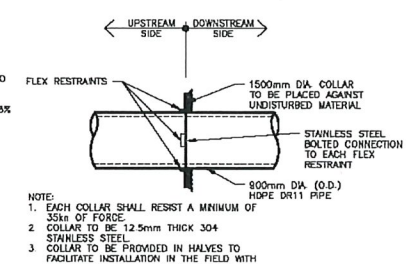
SHEET TITLE	<u>CROSS SECTIONS</u>
PAGE NO.	4 of 5



MANHOLE STMH-1 DETAIL
1:100

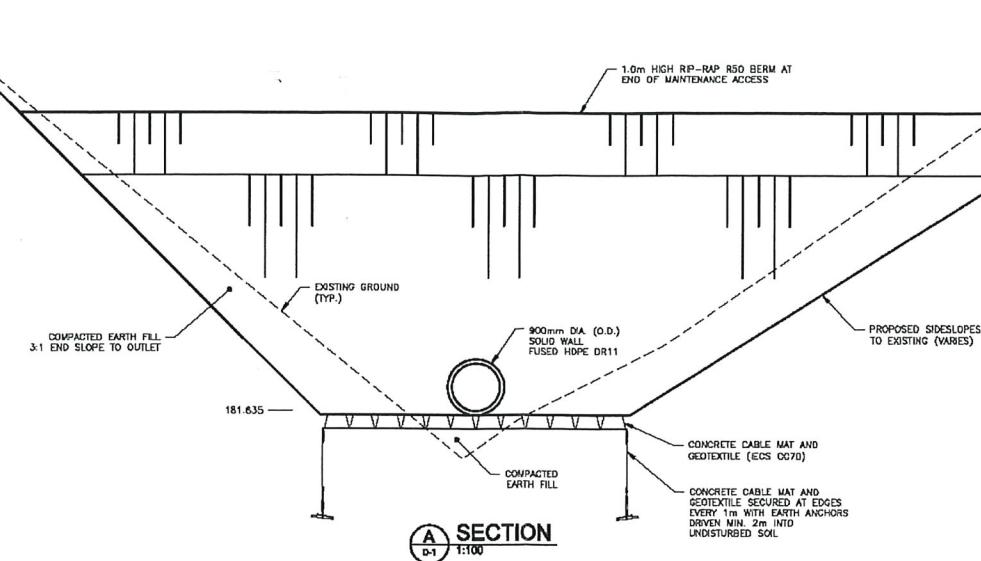


COLLAR SECTION
1:100

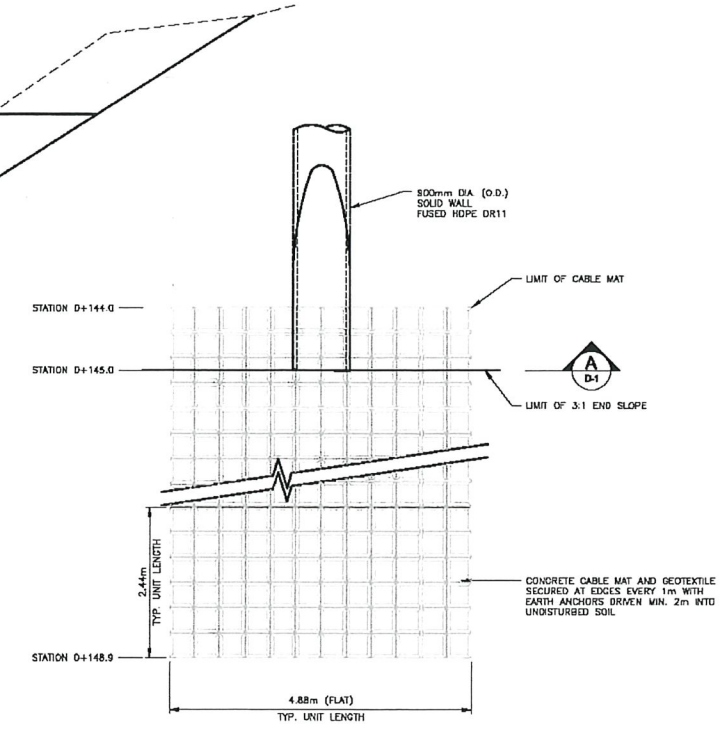


COLLAR DETAIL
1:100

- NOTE:
1. EACH COLLAR SHALL RESIST A MINIMUM OF 35kN OF FORCE
 2. COLLAR TO BE 12.5mm THICK 304 STAINLESS STEEL
 3. COLLAR TO BE PROVIDED IN HALVES TO FACILITATE INSTALLATION IN THE FIELD WITH STAINLESS STEEL BOLTED CONNECTION.

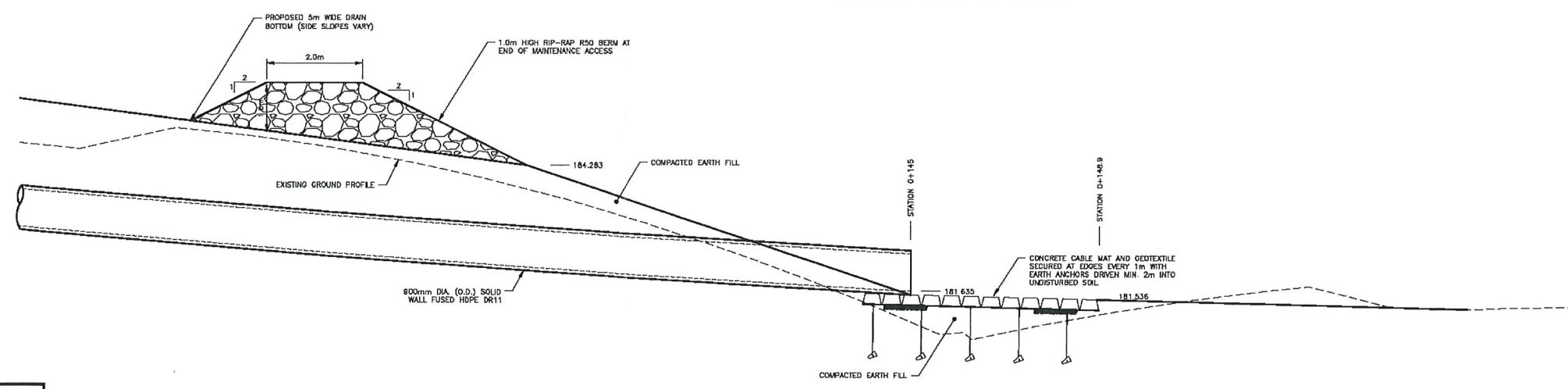


SECTION A-D
1:100



PLAN
1:100

OUTLET ON CONCRETE MAT DETAIL
STA. 0+144 - 0+148.9



PROFILE
1:100



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DESIGN	MMM	REVIEWED BY	FRF
DRAWN	MMM	CHECKED BY	TRO
DATE	November 26, 2020		
SCALE	AS SHOWN		

DILLON CONSULTING	
PROJECT NO.	16-3433
DRAWING SCALES BASED ON A 11"X17" SHEET	

Drainage Report for the DELL DRAIN OUTLET Municipality of Central Elgin	
SHEET TITLE	MISCELLANEOUS DETAILS
PAGE NO.	5 of 5

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APPENDIX E

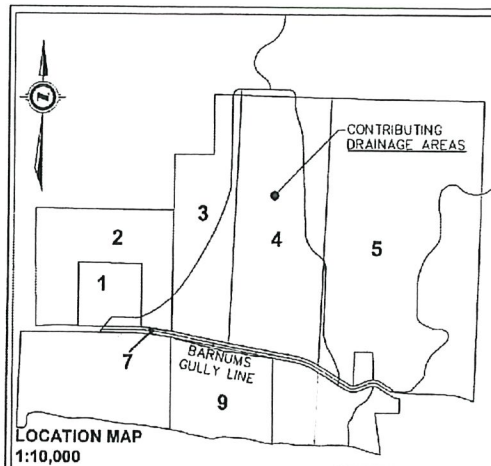
BRANCH "G" DELL MUNICIPAL DRAIN

REPORT

October 30, 2015

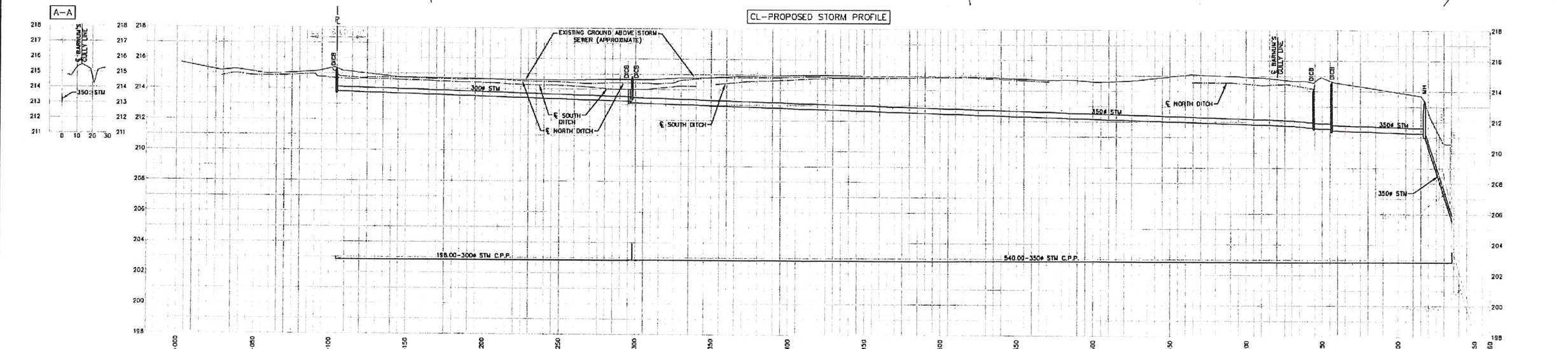
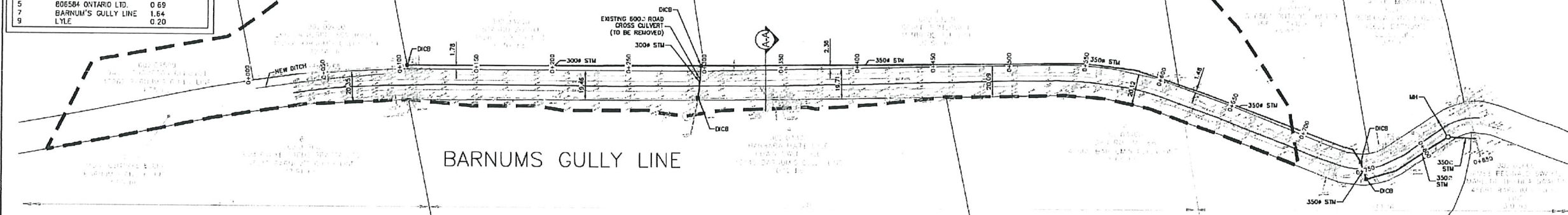
K. SMART ASSOCIATES LIMITED

85 McIntyre Drive, Kitchener, ON, N2R 1H6



DRAINAGE AREA #	OWNER NAME	CONTRIBUTING DRAINAGE AREA (ha)
1	DEPUYDT	0.36
2	SOMERVILLE	0.71
3	ZOVKO	6.73
4	SOMERVILLE	21.94
5	806584 ONTARIO LTD.	0.69
7	BARNUM'S GULLY LINE	1.64
9	LYLE	0.20

- GENERAL NOTES
1. ROAD SIDE DITCHES TO BE RE-GRADED TO DRAIN TO NEW DITCH INLET CATCH BASINS. THE SCOPE OF WORK SHALL INCLUDE ALL LABOUR, EQUIPMENT AND MATERIALS NECESSARY TO EXCAVATE AND TRUCK AWAY SPOIL FROM EXISTING ROADSIDE DITCHES. DITCH GRADES ARE TO BE FIELD DETERMINED IN CONSULTATION WITH THE DRAINAGE SUPERINTENDENT.
 2. SET DITCH INLET CATCH BASIN ELEVATIONS TO COLLECT ALL SURFACE WATER FROM ROAD SIDE DITCHES.
 3. CORRUGATED PLASTIC PIPE TO BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 4. CORRUGATED PLASTIC PIPE, CATCH BASINS, DITCH INLETS AND MISCELLANEOUS ITEMS ARE ALL TO BE AS PER APPLICABLE OPSD STANDARD. EXACT LOCATION AND ELEVATIONS TO BE CONFIRMED BY DRAINAGE SUPERINTENDENT.
 5. ALL WORK, INCLUDING SUPPLY AND INSTALLATION OF ALL MATERIALS FOR THE WORKS TO BE IN ACCORDANCE WITH APPLICABLE ONTARIO PROVINCIAL STANDARDS FOR ROADS AND PUBLIC WORKS.
 6. ALL DISTURBED ROADSIDE DITCH BANKS TO BE RE-SEEDING WITH AN APPROVED SEED MIXTURE CONSISTING OF CREEPING RED FESCUE (50%), PERENNIAL RYE GRASS (20%) AND BIRD'S FOOT TREFOIL (30%).
 7. CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF ALL UTILITIES INCLUDING WATER MAINS PRIOR TO CONSTRUCTION COMMENCEMENT.
 8. CONTRACTOR TO ARRANGE A PRE-CONSTRUCTION MEETING (48 HOURS ADVANCE NOTICE) WITH DRAINAGE SUPERINTENDENT AND AFFECTED LANDOWNERS.
 9. EXACT LOCATION OF NEW DRAIN TO BE CONFIRMED BY DRAINAGE SUPERINTENDENT PRIOR TO CONSTRUCTION COMMENCEMENT.



Job No. 000000 DMC No. 0000 1000

EXISTING SERVICES	DRAWING #, SOURCE	DATE	CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
					DESIGN BY: [Signature]				
					DRAWN BY: [Signature]				
					CHECKED BY: [Signature]				
					APPROVED BY: [Signature]				
					DATE: AUGUST 2019				

PARSONS

1000 WELLINGTON ROAD SOUTH, SUITE 214
LONDON, ONTARIO, CANADA
M5E 2H8 TEL: (519) 481-8771 FAX: (519) 481-4953

PROJECT NUMBER: 000000

ENGINEER'S SEAL

1 & 2 SEE

THE CORPORATION OF THE MUNICIPALITY OF
Central Elgin

SCALE - 1 : 1250

12.5m 0 25m

HORIZONTAL

SCALE - 1 : 125

1.25m 0 2.5m

VERTICAL

TITLE

BRANCH C
DELL MUNICIPAL DRAIN

STORM DRAINAGE

PROJECT No. EM3557

SHEET No. 1

PLAN FILE No.

APPENDIX G

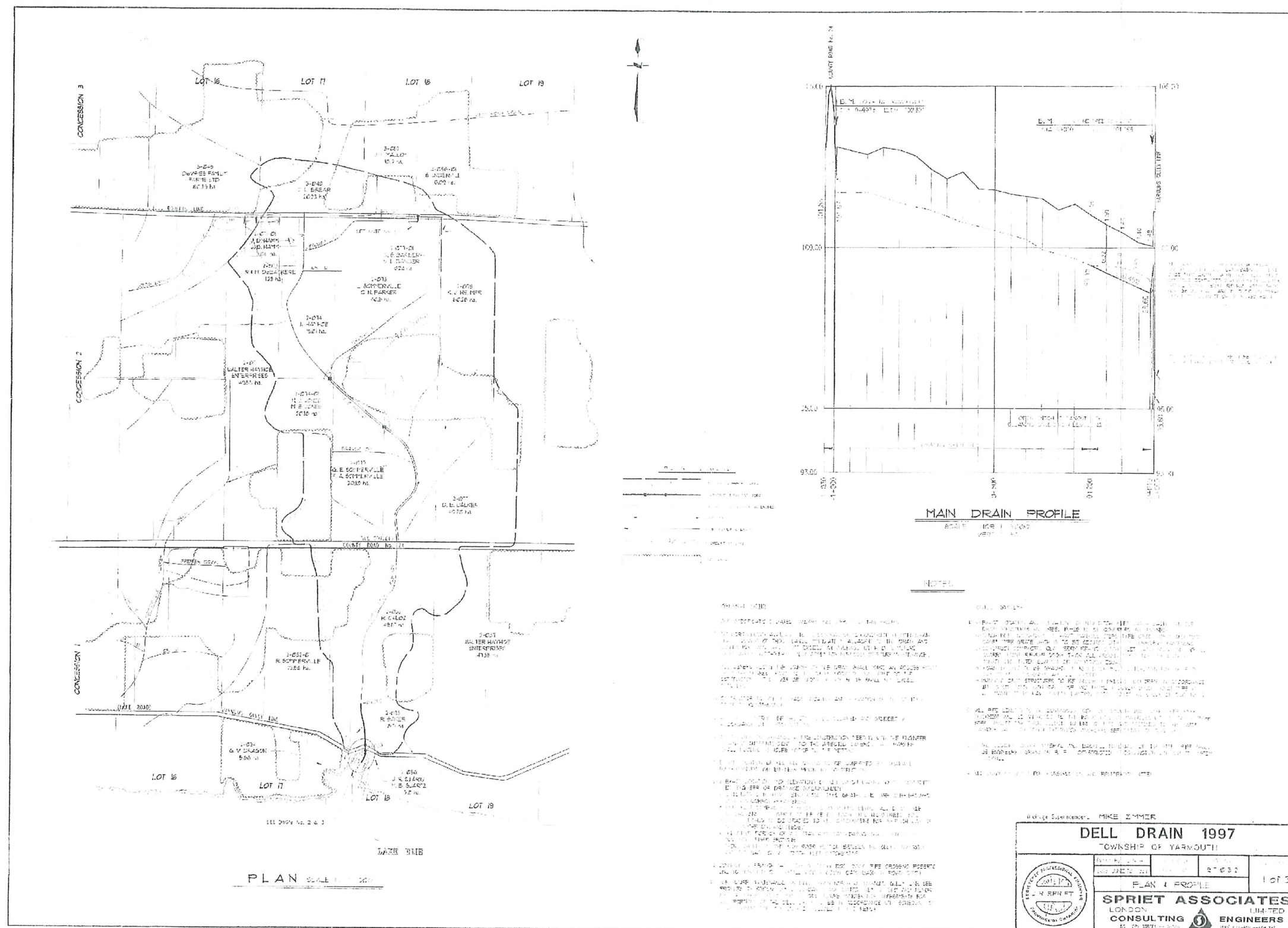
DELL DRAIN 1997

DRAWINGS

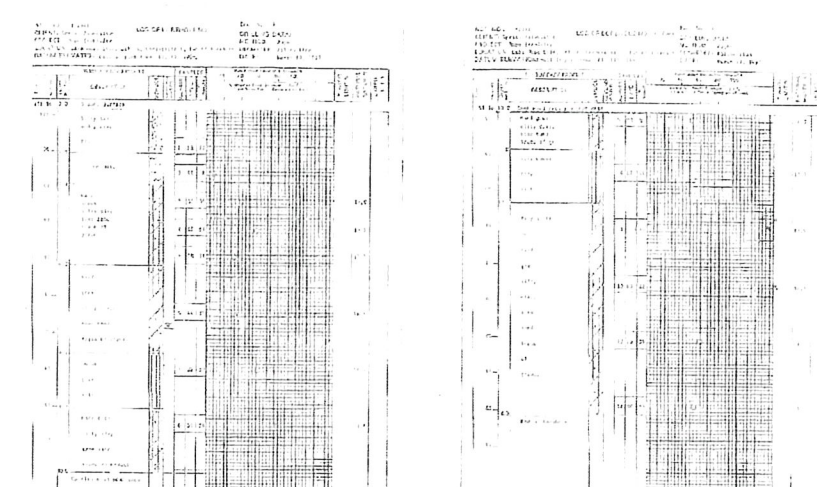
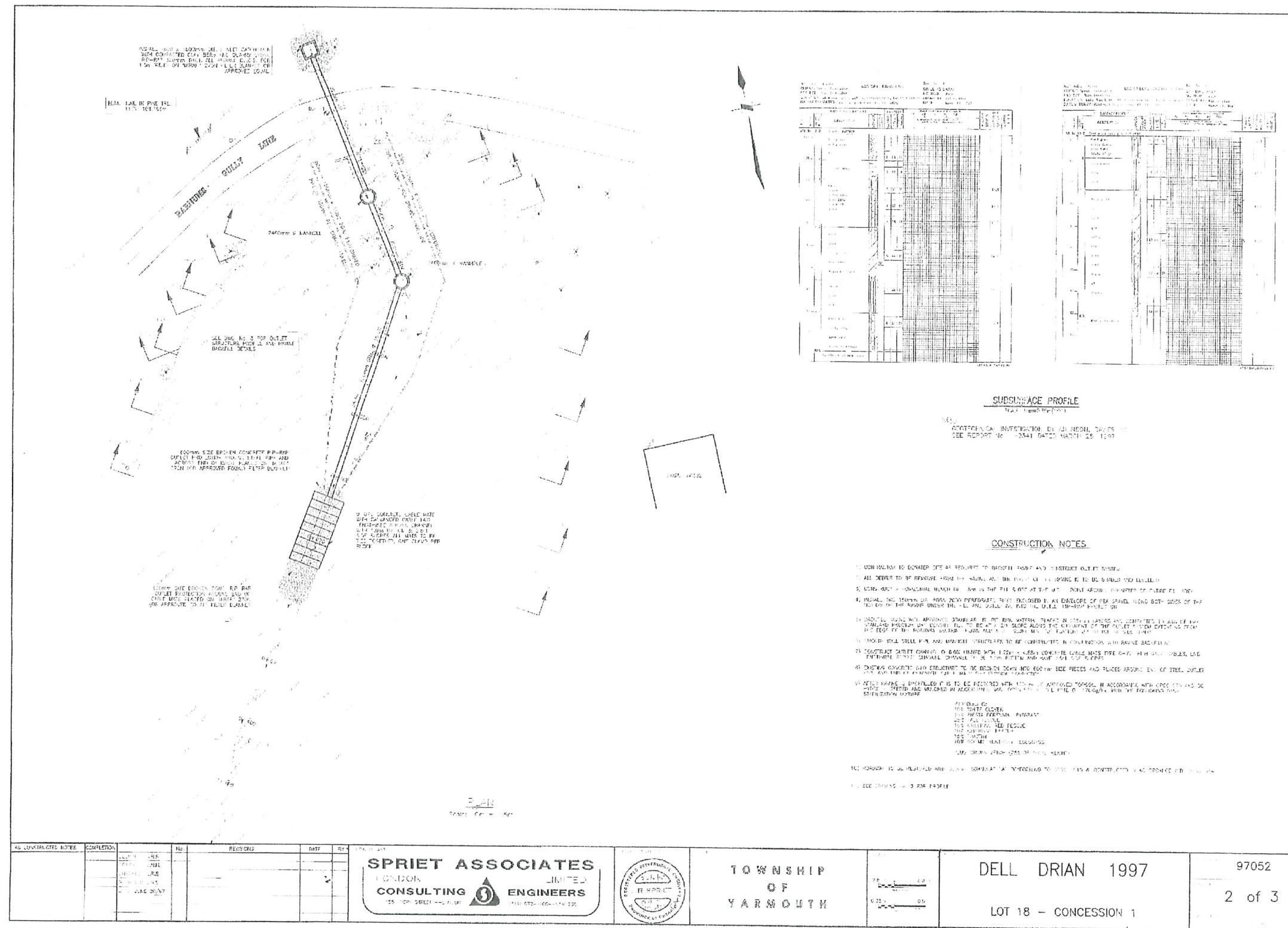
June 20, 1997

K. SMART ASSOCIATES LIMITED

85 McIntyre Drive, Kitchener, ON, N2R 1H6



Dell Drain



SUBSURFACE PROFILE

NOTATION: INVESTIGATION BY J. H. NEAL, CIVIL ENGINEER
SEE REPORT NO. 10341 DATED MARCH 25, 1997

CONSTRUCTION NOTES

1. CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWNSHIP OF YARMOUTH.
2. ALL DEEPER TO BE REINFORCED WITH 4" DIA. STEEL REINFORCEMENT.
3. CONCRETE TO BE PLACED IN 4" LAYERS.
4. ALL CONCRETE TO BE PLACED IN 4" LAYERS.
5. ALL CONCRETE TO BE PLACED IN 4" LAYERS.
6. ALL CONCRETE TO BE PLACED IN 4" LAYERS.
7. ALL CONCRETE TO BE PLACED IN 4" LAYERS.
8. ALL CONCRETE TO BE PLACED IN 4" LAYERS.
9. ALL CONCRETE TO BE PLACED IN 4" LAYERS.
10. ALL CONCRETE TO BE PLACED IN 4" LAYERS.

SOMERVILLE ET AL.

-and-

THE MUNICIPALITY OF CENTRAL
ELGIN

Tribunal File No.: 007De1121

**AGRICULTURE, FOOD AND RURAL
AFFAIRS APPEAL TRIBUNAL**

**APPELLANTS' EXPERT REPORT
VOLUME 2**

LERNERS LLP
85 Dufferin Avenue
P.O. Box 2335
London, Ontario N6A 4G4

Jacob R.W. Damstra LS#: 69805S
jdamstra@lerners.ca
Tel: 519.640.6333
Fax: 519.932.3333

Jeffrey R. Risdon LS#: 80208E
jrisdon@lerners.ca
Tel: 519.640.6384
Fax: 519.932.3384

Lawyers for the Appellants