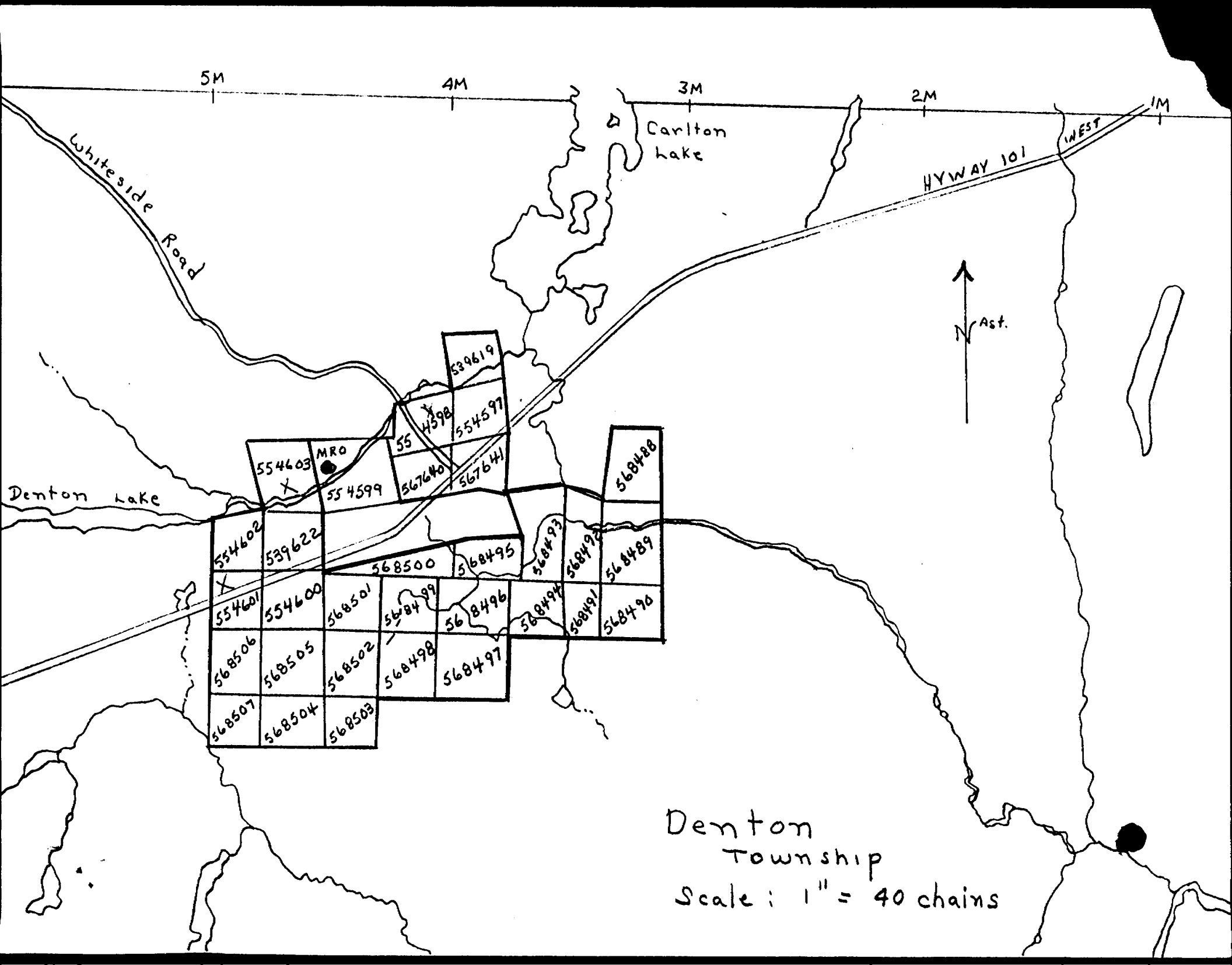
DIAMOND DRILLING

TOWNSHIP: Denton REPORT NO.: 27

WORK PERFORMED BY: Hollinger Argus Ltd.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
P 554598	D4-6-83	153	Sept/83	(1)
	D4-7-83	298	Sept/83	(1)
P 554601	D4-10-83	405	Oct/83	(1)
P 554603	D4-9-83	602	Oct/83	(1)

NOTES: (1) #354-83

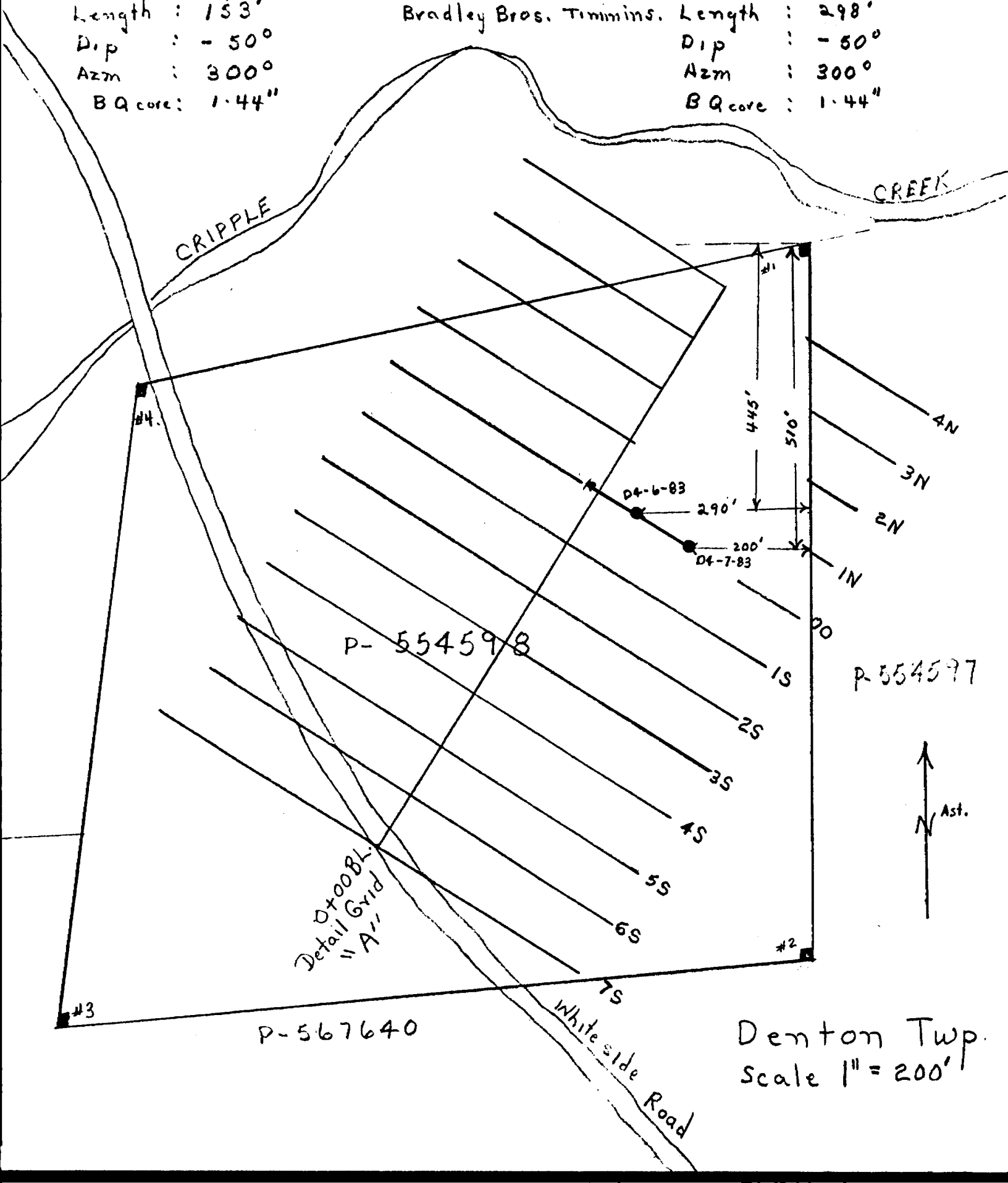

5M
4M
3M
2M
1M
Carlton Lake
Whiteside Road
HYWAY 101
WEST
N Ast.
Denton Lake
MRO
554603
554599
554598
554597
539619
567640
567641
568488
554602
539622
568500
568495
568493
568492
568489
554601
554600
568501
568499
568496
568494
568491
568490
568506
568505
568502
568498
568497
568507
568504
568503
Denton
Township
Scale: 1" = 40 chains

Locations of D4-6-83 and D4-7-83

D4-6-83
Started : Sept. 27-83
Finished : Sept. 29-83
Length : 153'
Dip : -50°
Azm : 300°
BQ core : 1.44"

Contractor
Bradley Bros. Timmins.

D4-7-83
STARTED : Sept. 29-83
Finished : Oct. 1-83
Length : 298'
Dip : -50°
Azm : 300°
BQ core : 1.44"



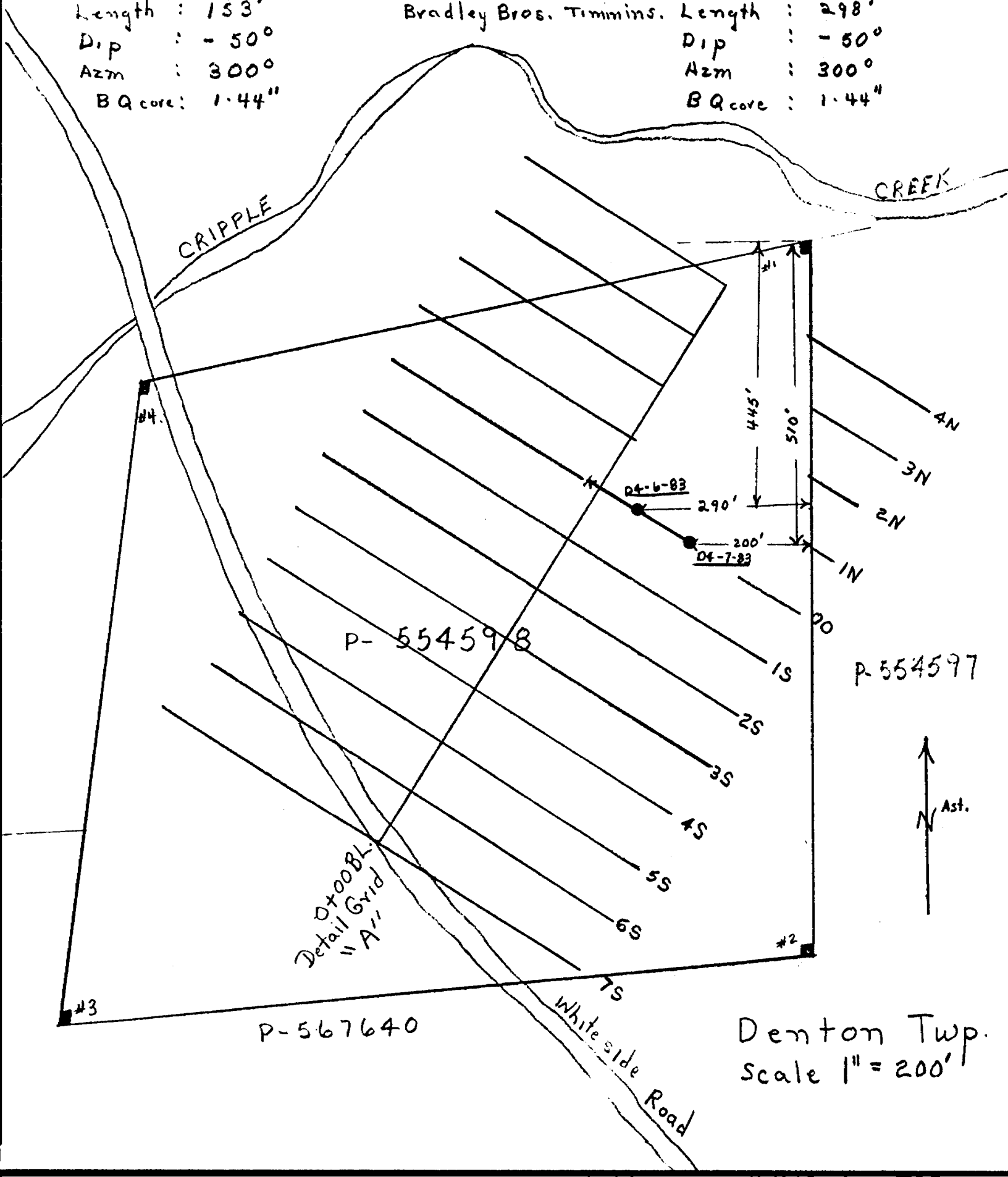
Denton Twp.
Scale 1" = 200'

Locations of D4-6-83 and D4-7-83

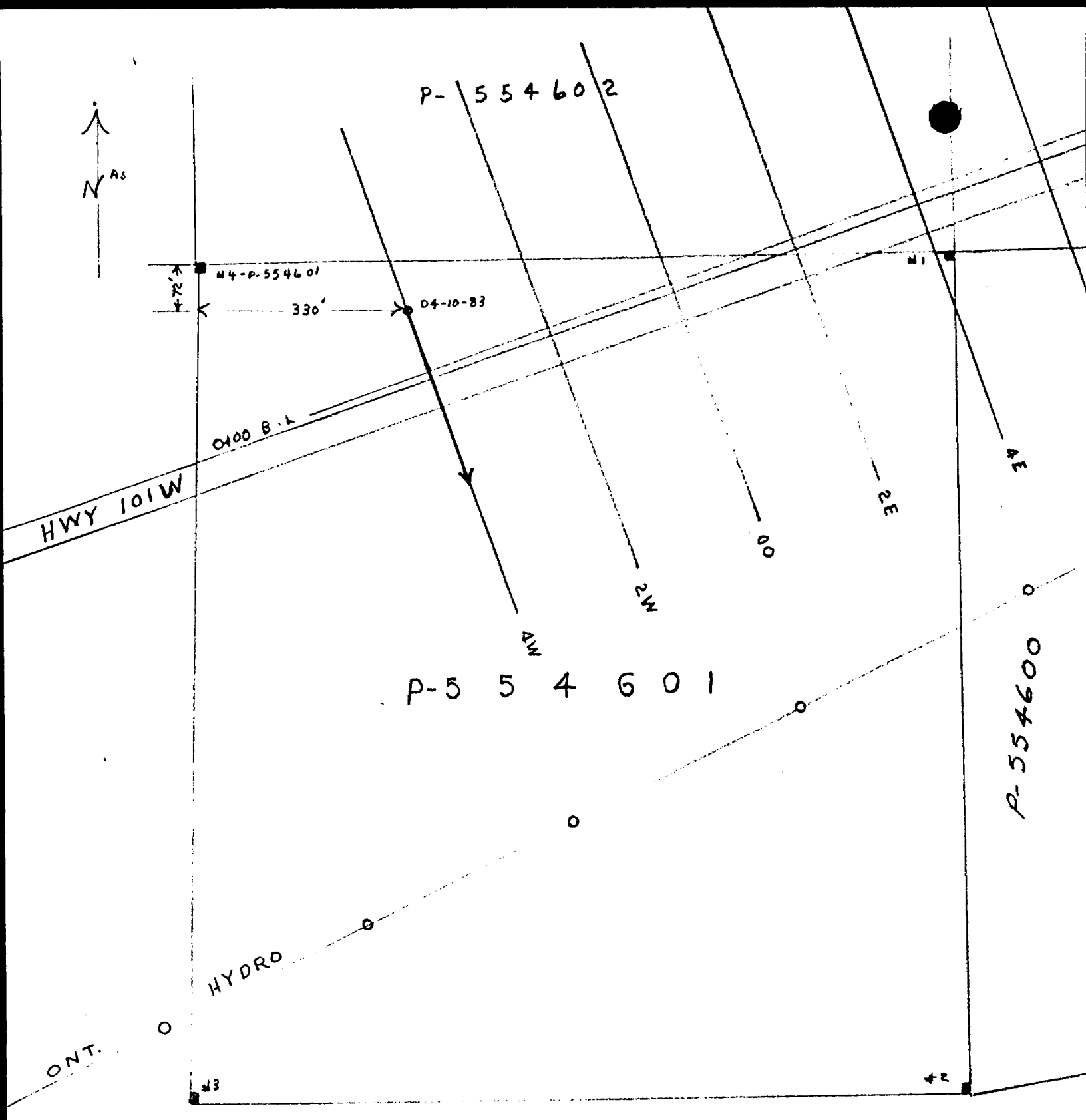
D4-6-83
Started : Sept. 27-83
Finished : Sept. 29-83
Length : 153'
Dip : -50°
Azm : 300°
BQ core : 1.44"

Contractor
Bradley Bros. Timmins.

D4-7-83
STARTED : Sept. 29-83
Finished : Oct. [redacted] 83
Length : 298'
Dip : -50°
Azm : 300°
BQ core : 1.44"

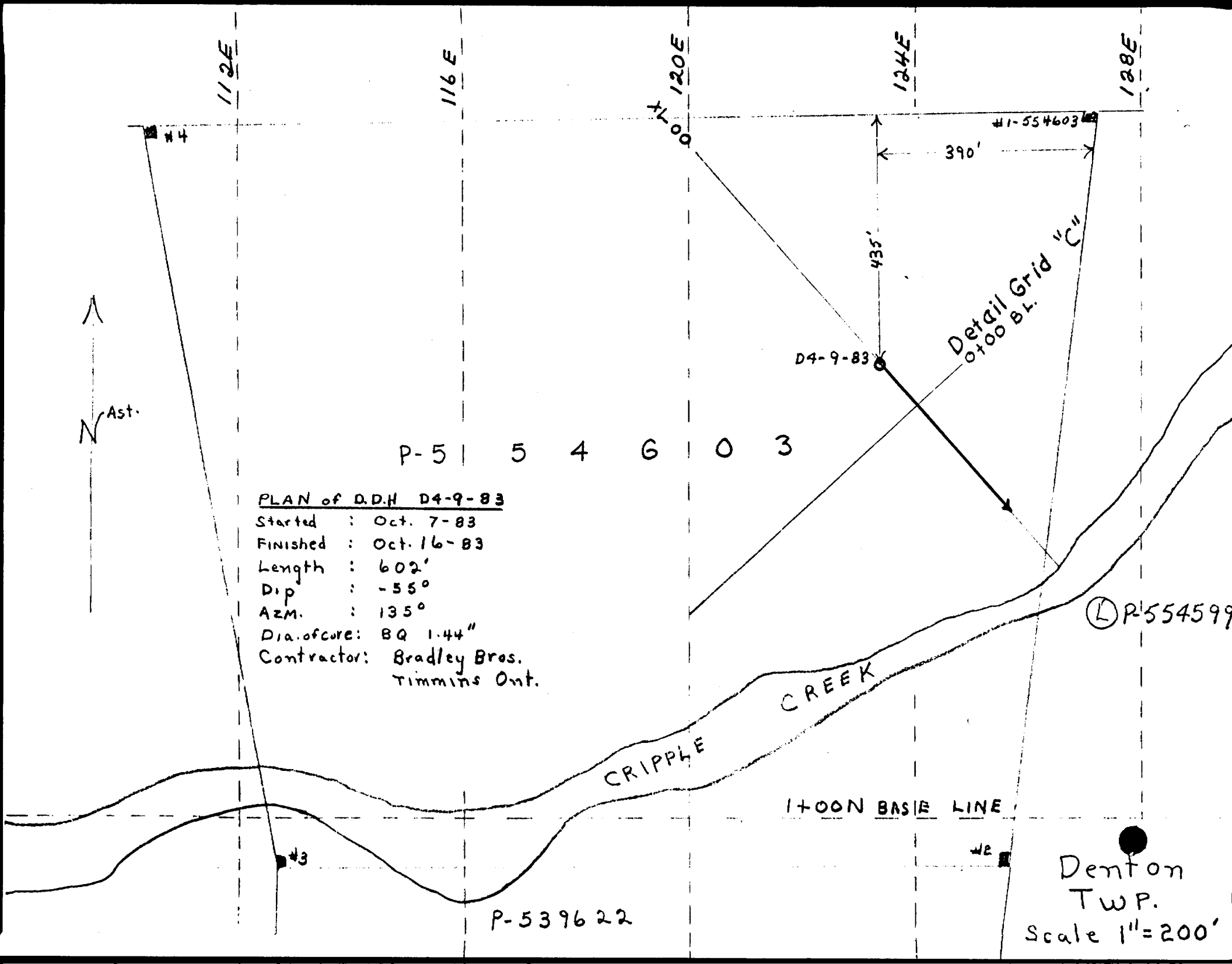


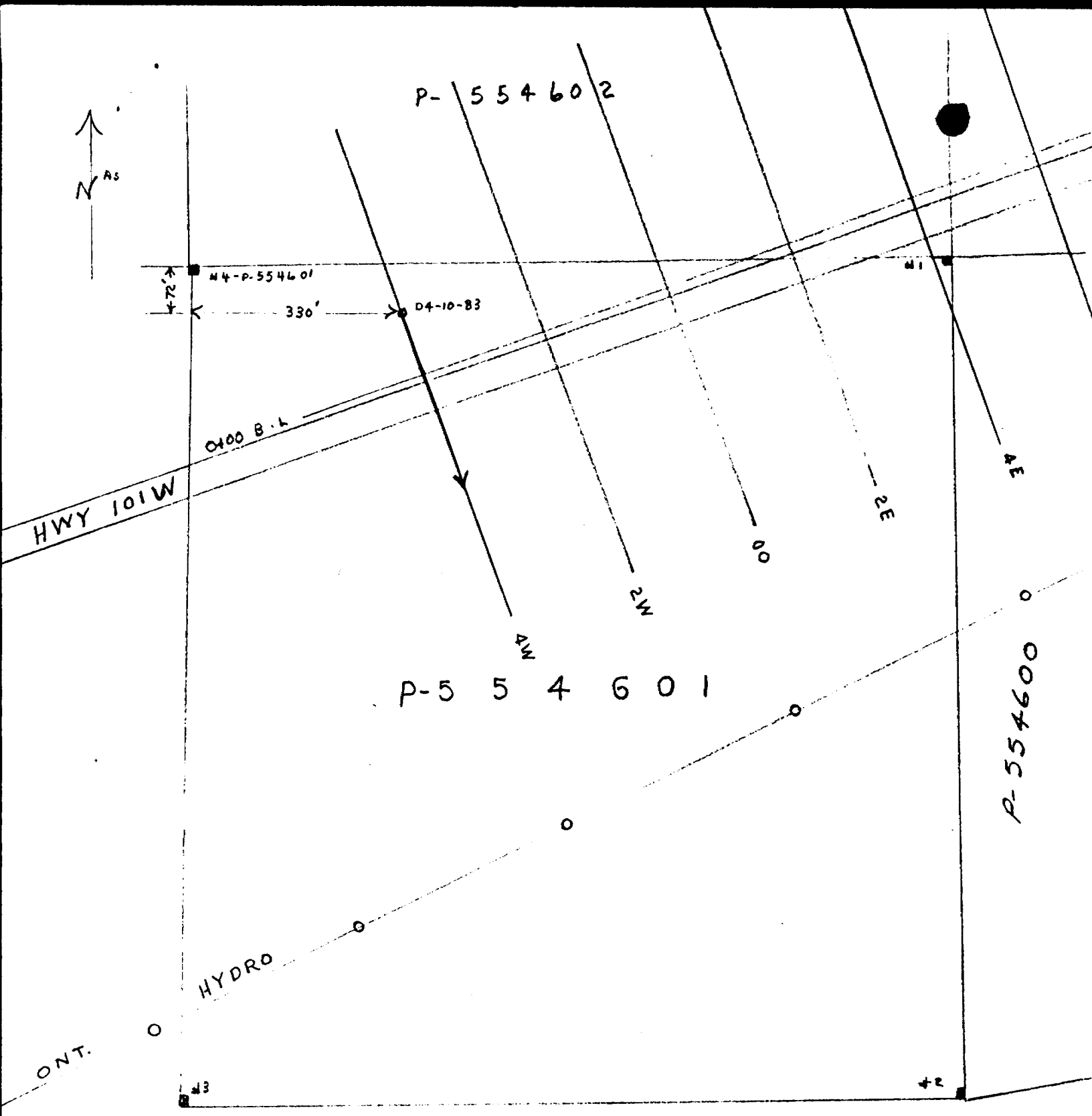
Denton Twp.
Scale 1" = 200'



Plan of D.D.H. D4-10-83
Started: Oct.17/83
Finished : Oct.22/83
Length : 405'
Dip :-45°
Azimuth:158°
Dia. of core: 1.4375"
Contractor: Bradley Bros. Timmins, Ontario.

Denton Twp.
Scale 1" = 200'


112E
116E
120E
124E
128E
#4
#1-554603
390'
435'
D4-9-83
Detail Grid "C"
0+00 BL.
N Ast.
P-554603
PLAN of D.D.H D4-9-83
Started : Oct. 7-83
Finished : Oct. 16-83
Length : 602'
Dip : -55°
Azm. : 135°
Dia. of core: BQ 1.44"
Contractor: Bradley Bros.
Timmins Ont.
CRIPPLE CREEK
P-554599
1+00N BASE LINE
#3
WE
P-539622
Denton
Twp.
Scale 1"=200'



Plan of D.D.H. D4-10-83

Started: Oct.17/83

Finished : Oct.22/83

Length : 405'

Dip : -45°

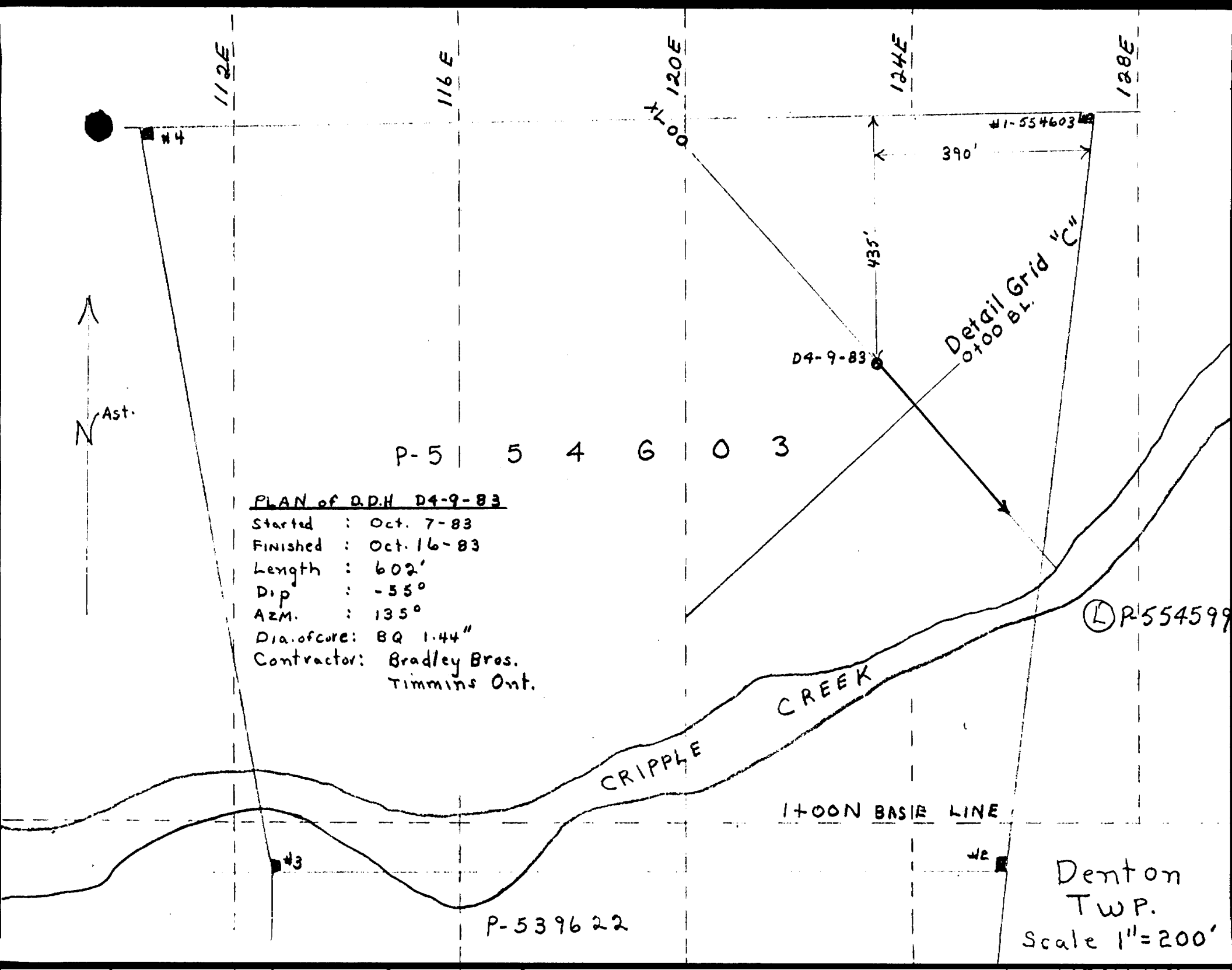
Azimuth: 158°

Dia. of core: 1.4375"

Contractor: Bradley Bros. Timmins, Ontario.

Denton Twp.

Scale 1" = 200'


112E
116E
120E
124E
128E
#4
#1-554603
390'
435'
D4-9-83
Detail Grid "C"
0+00 BL.
N Ast.
P-554603
PLAN of D.D.H D4-9-83
Started : Oct. 7-83
Finished : Oct. 16-83
Length : 602'
Dip : -55°
Azm. : 135°
Dia. of core: BQ 1.44"
Contractor: Bradley Bros.
Timmins Ont.
CRIPPLE CREEK
L R554599
1+00N BASE LINE
#3
#2
P-539622
Denton
Twp.
Scale 1"=200'

DIAMOND DRILL REPORT

Location: XL 0 @ 75' SE of B.L. (Detailed Grid "A")
Core Size: BQ
Azimuth: Bearing 300°
Elevation: Surface
Dip: -50° @ Collar; -47.5° @ 150' or 45.72m

PROPERTY: DENTON #4-83 GROUP (Brown-McDade Option)
Township: Denton Township
Location of Collar from #2 Post of Claim P.554598
740' or 225.54, North
280' or 85.34m West

HOLE No. D4-6-83
Commenced: September 27, 1983
Finished : September 29, 1983
Contractor: Bradley Bros.

From	To	DESCRIPTION
0	12'	Casing. 2'-12' core (casing size).
	3.66m	Coarse grained quartz diorite.
12'	32.5	BQ core.
3.66m	9.91m	Coarse grained, qtz-rich quartz diorite.
		Numerous white feldspar phenocrysts, large
		blue quartz eyes. Dark (black) chlorite
		around clusters of white feldspars.
32.5	36	Altered shear zone at 45-55 degrees
9.91m	10.97m	to C.A. Very little min.
36	40	Gradational contact to coarse grained
10.97m	12.19m	quartz diorite.
40	50	Sheared and altered section of
12.19m	15.24m	quartz diorite.
50	84	Uniform section blotchy appearance
15.24m	25.60m	due to chloritic alteration. Locally
		a little min. Black chlorite on shear
		planes.

From	To	Width	Description of Sample
32.5	33.5	1	Chl. shear, V.L.min.
33.5	36	2.5	Dk.chl.zone with diss.Py.
40	44	4	Uniform alt. section, V.L.min.
44	45	1	2" min. cherty qtz str. at 55° to C.A., pyritic.
45	47.5	2.5	Coarse to fine grd bands,V.L.min.
47.5	48.5	1	3" qtz vein. V.L.min.
48.5	50	1.5	Sheared chl. V.L.min.
50	55	5	Alt. quartz diorite.
80	84	4	Blotchy app. chlorite, a little min.
84	85	1	Fine grd small qtz eys, pyritic.
85	86	1	Coarse grained alt. section.
86	90	4	Cs grd qtz diorite + qtz str.
90	95	5	Chloritic cs grd section, V.L.min
95	97	2	Highly schistose; 2 cherty qtz strs.; pyritic, sericitic.
97	100	3	Cherty qtz strs + numerous small qtz eyes and diss.pyrite.
100	102	2	Min. fine grd section, small cherty strs.
102	105	3	Min. section, no qtz strs.

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION
84	115	Main shear zone at 70° to C.A., finer
25.60m	35.05m	grained, network of white veinlets around small qtz eyes, cut by occ. cherty qtz str. Schistosity at 70° to C.A.
115	124.6	Coarse grained altered quartz diorite,
35.05m	37.98m	chlorite may still be part of the shear zone but much coarser grained.
124.6	129.4	Fine grained min. section. Numerous
37.98m	39.44m	small qtz eyes., occ. cherty qtz str. Network of fine calcite veinlets around qtz eyes.
129.4	153	Coarser grained blotchy appearance,
39.44m	46.63m	odd speck of pyrite. Numerous large blue qtz eyes. Local chlorite patches. Minor Py.
		END OF HOLE @ 153' or 46.63m

HOLLINGER ARGUS LIMITED
TIMMINS ONTARIO

O.P. MacKenzie

From	To	Width	Description of Sample
105	107	2	Well min. bands of Py + cherty strs.
107	110	3	Coarser grd section, pyritic.
110	112	2	Min. section, no qtz strs.
112	115	3	Min. section with cherty qtz strs along schistosity at 70° to C.A.
115	117	2	Cs grd alt. section, V.L.min.
117	120	3	" " " "
120	122	2	Cs grd section, V.L.min.
122	125	3	" " "
125	127	2	Fine grd sm qtz eyes, min.section.
127	130	3	Pyritic alt. section with cherty qtz strs. + good sight of V.G.
130	135	5	Cs grd alt. qtz diorite, V.L.min.
135	140	5	Uniform cs grd section, pyritic except for 1' of finer grd min. from 141 to 142.5.
140	145	5	Cs grd qtz diorite, chloritic, minor Py.
145	149	4	Cs grd qtz diorite, fractured fine calcite veinlets pyritic along slips.
149	150	1	Qtz str. Pyritic weathered section
150	153	3	Minor Py along chl. slips.

DIAMOND DRILL REPORT

Location: XL 0 @ 175' Grid South
Detailed Grid "A"

HOLE No. D4-7-83 1.

Core Size: BQ

PROPERTY: DENTON #4-83 GROUP (Brown-McDade Option)

Azimuth: 300°

Township: Denton Township

Commenced: September 29, 1983

Elevation: Surface

Location of Collar from #2 Post of Claim P.554598
680' or 207.3m North
200' or 61.0m West

Finished : October 1, 1983

Dip: -50° @ Collar;
-51.5° @ 211' or 61m

Contractor: Bradley Bros.

From	To	DESCRIPTION	From	To	Width	Description of Sample
0'	9'	Casing.				
	2.74m					
9'	34.0'	Quartz Diorite	32'	33'	1'	L_2 with a 1" qtz-CO_3 vein containing chlorite.
2.74m	10.36m	- coarse grained				
		- roughly 60% feldspars, often stained with epidote.				
		- qtz is grey blue (≈30%)				
		- fair amount of dark green chlorite (≤9%).				
		- slight reaction to HCl.				
		- very little or no mineralization.				
		- from 32.3'-32.5', altered with bull qtz, chlorite and a large amount of calcite.				
		- Contact: Gradational.				
34.0'	35'	Altered Quartz Diorite	34'	35'	1'	L_2 alt. ≈2% diss. py.
10.36m	10.67m	- gradationally finer grained.				
		- gray in colour				
		- last 3" is beige to salt and pepper as above.				
		- mineralized (≤2% diss. py).				
		- not well carbonitized.				
		- nonmagnetic.				
35'	58.5'	Quartz Diorite				
10.67m	17.83m	- as from 9'-34'				

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		- from 38.8'-39' is much finer grained with a much										
		higher percentage of mafics (≈65%).										
		- one large blue qtz eye.										
		- nonmagnetic.										
		- some calcite.										
		- contact is sharp but irregular.										
		- from 55'-58.5' are a few small patches with more										
		mafics and less feldspar, these sections are light grey										
		in colour.										
		- lower contact gradational.										
58.5'	61.5'	Altered Quartz Diorite	58'	61'	3'							L_2 alt., fg. grey minor sulphides,
17.83m	18.74m	- grey in colour.										silicified..
		- silicified.										
		- slight increase in carbonitization.										
		- numerous blue grey qtz eyes.										
		- somewhat mineralized with pyrite and possibly some	61'	62'	1'							L_2 alt.(6") + L_2(6") contact
		pyrrhotite (≈1% diss. sulph.)										contains chl. + py.
		- very weakly magnetic at upper contact.										
		- bulk of mineral near contacts.										
		@ 59.9' is thin qtz-CO_3 stringer with some K staining										
		running @ ≈12° to the C.A.										
		- lower contact sheared @ 55° to the C.A.										
		- chloritic.										
		- fairly well mineralized with a str. of pyrite										
		parallel to shearing.										

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
61.5' 18.74m	71.5' 21.79m	Quartz Diorite	65'	70'	5'	L_2 with fractures and accompanying alteration.
		- similar to section from 9'-34'				
		@ 63.5', 65.2', 65.3', 65.5', 65.7', 65.9', 69', and	71'	72'	1'	6" of L_2 + 6" of sil. contact + trap dyke.
		69.5' are small fractures generally @ 60° to the C.A.				
		- fractures have allowed silica, pyrrhotite, pyrite				
		and calcite to come in.				
71.5' 21.79m	71.7' 21.85m	Contact Zone: gradational silicification over				
		2-3 inches, then a sharp dyke contact; @ 48° to the C.A.,				
		diss. py ≐1%.				
71.7' 21.85m	73.2' 22.31m	Trap Dyke	72'	73'	1'	Trap dyke, well carbonitized.
		- fine grained.				
		- dark grey.				
		- weakly to moderately magnetic.	73'	74'	1'	0.2' of trap dyke
		- very well carbonitized.				0.2' of sil, alt, min, contact
		- minor diss. sulph. ≐1%.				0.6' of L_2.
		- could be lamprophyre but no books of mica visible.				
		- lower contact is sharp at 50° to C.A.				
73.2' 22.31m	73.4' 22.37m	Contact: gradational silicification with roughly 1%				
		diss. sulphides.				
73.4' 22.37m	76.7' 23.38m	Quartz Diorite				
		similar to section from 9' to 34'.				

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		- minor hairline fractures have allowed silica to be introduced, e.g. @ 64.5'.				
		Contact: gradational.				
76.7'	82'	Altered Quartz Diorite				
23.38m	24.99m	- first 1.3' is fine grained siliceous, grey with blue qtz eyes.				
		- the rest of this unit has patches of relatively unaltered feldspars.				
		- more altered grey sections have fine network of calcite around qtz eyes.				
		- overall ≐1% diss. sulphides.				
		- @ 77.1' is a ½ inch cherty qtz vein with pyrite and pyrrhotite concurrent to veinlet.				
		- veinlet @ 65° to C.A.	76.5'	78'	1.5'	L_2 altered, fg. grey, cc, diss. sulph. ≐2%.
		- finer grained section shows evidence of shearing in the form of black chlorite on shear planes.	78'	82'	4'	L_2 alt, minor calcite strs.
		- shearing @ 50° to C.A.				
		- from 78.4'-79' are a couple of calcite strs.				
		Contact: gradational decrease in fractures and thus alteration from hydrothermal fluids.				
82'	115'	Quartz Diorite	82'	83.5'	1.5'	L_2 with 1" rusty glassy qtz vein and some sil. minor oxidized py.
24.99m	35.05m	- similar to section from 9'-34'.				
		- @ 83.2' is a 1" glassy rusty qtz veinlet.				

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		- @ 86.3' is silicification around small fractures.	85'	89'	4'	L_2 with a number of silicified patches.
		- @ 87' is qtz veinlets with K staining.				
		- @ 88.4' is ½" wide qtz veinlet.	94'	95'	1'	L_2 with 6" of qtz vein plus smaller qtz vein, ~1% diss. sulph.
		- @ 92.2' is 3" of alteration around shearing.				
		- @ 94.2' is 3/4" wide qtz vein with chlorite.				
		- from 94.5' to 95.1' is bull white qtz vein - @ 60° to C.A.	106'	110'	4'	L_2 with 1" bull qtz vein, 3" glassy qtz vein as well as 1' of L_2 alt.
		- from 97.5'-99' is a number of fractures and alteration.				
		- @ 101' is a 2" qtz vein with chlorite.				
		- from 101'-103' similar to section from 97.5'-99'.	111'	115'	4'	L_2 with 3 small qtz veinlets and some alteration, little or no vis. sulphides.
		- @ 103.5' small qtz vein.				
		- @ 106' is 1.5" qtz vein similar to that @ 101'.				
		- from 107.5'-108.5' is alteration plus 4" glassy grey qtz vein with calcite.				
		- @ 109.5' is a 6" section of L_2 alt.				
		- @ 112.8' is 1" qtz vein plus chlorite veinlet @ 63° to C.A.				
		- @ 113.2' is a ½" qtz vein with chl. + CO_3 at ≈30° to C.A.				
		- @ 114.3' is ½" qtz vein with chl. + po.				
		Contact: sharp but broken.				
115' 35.05m	116.5' 35.51m	Trap Dyke				
		- as from 71.7'-73.2'.				
		Contact: sharp @ 45° to C.A.				

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
116.5' 35.51m	119.9' 36.54m	Quartz Diorite - similar to section from 9'-34'. - @ 117.6' minor alteration (silicification) around fracture. Contact: sharp but broken.				
119.9' 36.54m	120.5' 36.73m	Trap Dyke - same as from 71.7'-73.2'. Contact @ 30° to C.A., sharp.				
120.5' 36.73m	121.3' 36.97m	Quartz Diorite - similar to section from 9'-34'. Contact: sharp but broken.				
121.3' 36.97m	122' 37.18m	Trap Dyke - the same as section from 71.7'-73.2'. Contact: sharp @ 15° to the C.A.				
122' 37.18m	130.1' 39.65m	Quartz Diorite - similar to section from 9'-34'. - @ 123.8' is 3" section of silicification around fracture. - small fractures and limited silicification are present @ 123', 125.6', 128', 128.6', 129' and 129.7'. Contact: sharp @ 30° to the C.A.	123'	124'	1'	L_2 with 3"-4" of silicification some strong epidotization of feldspars.

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
130.1'	130.7'	Trap Dyke				
39.65m	39.84m	- similar to section from 71.7'-73.2'				
		Contact: sharp @ 30° to C.A.				
130.7'	164'	Quartz Diorite				
39.84m	49.99m	- similar to section from 9'-34'.				
		- local alteration and silicification @ 135.6',	163'	165'	2'	1.1' of L_2 altered, 0.8' of L_2,
		137.1', 147.6', 157.3' and 163.4'.				0.1' of qtz veining, minor sulphides.
		Contact: gradational.				
164'	196.8'	Altered Quartz Diorite	165'	167'	2'	L_2 alt. with minor L_2.
49.99m	59.98m	- similar to section from 58.5'-61.5'	167'	170'	3'	$L_2 + L_2$ alt. with blue qtz eyes.
		- weakly carbonitized diss. sulphides <1% throughout.	170'	172'	2'	L_2 alt. sil, blue qtz eyes.
		- a number of patches of unaltered quartz diorite	172'	175'	3'	L_2 alt. + L_2.
		are also present, the most notable being from 166.8'-	175'	180'	5'	L_2 with some L_2 alt.
		167.3', 168.2'-169.2', 173.2'-174.1', 174.5'-176.1',	180'	182'	2'	L_2 with some L_2 alt.
		176.5'-177.5', 178.5'-179', 180'-180.5', 182'-182.5',	182'	185'	3'	L_2 alt. with some L_2, diss.py.
		186.3'-187.2', 188.5'-189.4', 189.7'-190.9' and 191.3'-	185'	190'	5'	L_2 with 1.5' of L_2 alt.
		194.4'; these sections are all similar to the section	190'	195'	5'	L_2 with 1' of L_2 alt. ≤2% diss.py.
		from 9'-34'.	195'	197'	2'	L_2 alt.
		Contact: gradational to fairly sharp.				
196.8'	200.5'	Sheared Quartz Diorite	197'	200'	3'	L_2 sheared diss.py ≤1%.
59.98m	61.11m	- similar to section from 9'-34' with the exception	200'	202'	2'	0.5' of L_2 sheared, 1' of L_2
		noticeable schistosity which has been overprinted,				and 0.5' of L_2 alt.

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		in a few places where the typical grey silicification				
		is present the schistosity is still pervasive.				
		- the schistosity is @ 55° to the C.A.				
		- the patches of silicification are @ 197.8' and 199'.				
		- this unit is fairly well mineralized with ± 2% diss.				
		py.				
		- minor carbonitization and unit is nonmagnetic.				
		Contact: gradational decrease in shearing.				
200.5'	205'	Quartz Diorite	202'	205'	3'	L_2 diss.py ≤1%.
61.11m	62.48m	- similar to section from 9' to 34'.				
		- section from 201'-201.5' is fine grained, gray				
		silicified section.				
		- minor diss.py <1%.				
		Contact: gradational.				
205'	206'	Altered Quartz Diorite				
62.48m	62.79m	- light grey, very fine grained, silicified, minor	205'	206'	1'	L_2 alt, sil, bl. with qtz.
		calcite, bleached in appearance, similar to section				
		from 58.5'-61.5'				
		Contact: irregular @ poor angle to C.A.				
206'	207.5'	Quartz Vein	206'	207.5'	1.5'	Qtz vein + some sil. L_2
62.79m	63.24m	- somewhat glassy, with chlorite and calcite:				
		- no visible sulphides.				
		Contact: silicified and altered.				

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
207.5'	208'	Quartz Diorite	207.5'	210'	2.5'							0.5' of L_2, 2' of qtz with chl.
63.24m	63.40m	- similar to section from 9'-34'.										po, cpy (diss.sulph. ≤2%).
		Contact: Sharp @ 15° to the C.A., strong hydro-										
		thermal alteration is visible on contact.										
208'	212.6'	Quartz vein										
63.40m	64.80m	- glassy.										
		- highly contaminated with calcite, chlorite, minor	210'	212'	2'							Quartz vein with chl, L_2 and
		inclusions of quartz diorite and sericite.										minor py.
		- mineralized with pyrrhotite and chalcopyrite most										
		notably @ 209;5'.										
		- overall ≤1% diss. sulph.										
		Contact: The last 3 inches is another small qtz vein										
		which cuts core at 30° to the C.A.; therefore, contact										
		is sharp but highly silicified and altered.										
212.6'	217.3'	Altered Quartz Diorite										
64.80m	66.23m	- similar to section from 58.5'-61.5'.	212'	215'	3'							L_2 alt. + 0.5' of qtz vein
		- slightly more feldspars are visible.										diss.py ≤2% blue qtz eyes.
		- high chlorite content results in a grey green	215'	217'	2'							L_2 alt, diss. py ≤2%.
		colour.										
		- numerous small calcite strs. are present.										
		- fair mineralization ≤2% diss. pyrite.										
217.3'	222.2'	Quartz Diorite	217'	222'	5'							L_2 + 0.7' of L_2 alt.
		similar to section from 9'-34'.										

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		- @ 218.6' and 219.4' are small fractures with fg grey										
		alteration, from 220.8'-221.7' is some alt. centred on										
		cherty ½" veinlet @ 221.3'.										
		- minor sulphides, diss. py ≤1%.										
		Contact: Gradational.										
222.2' 67.72m	279.4 85.16m	Altered Quartz Diorite (Main Shear Zone)	222'	226'	4'							L_2 alt sil, fg diss.py ≤2%
		- similar to section from 58.5'-61.5'										with qtz eyes + cc, plus 2' of L_2.
		- fine grained, light grey with the odd patch	226'	227'	1'							0.7' of qtz vein with ≤5% diss.py
		where original texture is still visible, the most										0.3' of altered L_2.
		notable of these is from 229'-230'.	227'	230'	3'							L_2 alt with remnant L_2 texture ≤1% diss. py.
		- this unit is highly silicified with blue qtz eyes	230'	232'	2'							L_2 alt as from 227'-230'.
		in places.	232'	235'	3'							L_2 alt " " " "
		- schistosity is @ 60° to C.A.	235'	237'	2'							L_2 alt with 50% fg and 50% cg minor diss.py.
		- minor diss. pyrite is present throughout,	237'	240'	3'							L_2 alt, fg, qtz eyes + 4 small
		≤1% overall.										cherty veinlets, diss.py ≤2%.
		- core is carbonitized throughout.	240'	242'	2'							L_2 alt, fg, qtz eyes sil. diss. py ≤1%.
		- from 226.2'-226.9' is a qtz vein with up to 5%	242'	245'	3'							L_2 alt, cs gr, finely diss.py ≤1%.
		diss. py.	245'	247'	2'							L_2 alt, cs gr, minor diss.py.
		- core is also loaded with qtz eyes throughout.	247'	250'	3'							L_2 alt, cs gr(1.5') fg(1.5') minor diss.py.
		Contact: Gradational.	250'	253'	3'							L_2 alt, cs gr(2.5') fg sil(0.5') minor diss.py.
			253'	256'	3'							L_2 alt, fg, qtz eyes, diss.py ≤3%, sil.
279.4' 85.16m	286.5' 87.32m	Semi-altered Quartz Diorite	256'	259'	3'							L_2 alt fg as above(1') cg(2')
		- unit has many similarities to section from 9'-34'										diss.py ≤2%.
		except it is more silicified, coarse grained with blue	259'	261'	2'							L_2 alt sil, fg, diss.py ≤3%.

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		qtz eyes and slightly more chloritic.	261'	263'	2'	L_2 alt sil cs gr diss.py ≤1%
		- carbonitized.	263'	265'	2'	L_2 alt sil fg diss.py ≤3%
		- little or no visible sulphides.	265'	268'	3'	L_2 alt sil cs gr diss.py ≤2%.
		Contact: gradational.	268'	272'	4'	L_2 alt sil cs gr diss.py ≤2%
			272'	275'	3'	L_2 alt highly sil fg qtz eyes diss.py ≤2%, @ 274.7' is some sph.
286.5'	298'	Quartz Diorite				
87.32m	90.83m	- similar to section from 9'-34'.	275'	277'	2'	L_2 alt fg as per 272'-275'.
		- feldspars are stained with epidote, and qtz is blue white in colour.	277'	279'	2'	L_2 alt fg sil diss.py ≤1%.
			279'	282'	3'	L_2 semi alt blue qtz cg gr minor diss.py.
		- unit has much more chlorite, i.e. 40% mafics.				
		- @ 293' and 293.5' are two small qtz veins with chlorite and minor diss. py.	282'	285'	3'	L_2 as per 279'-282'.
			285'	287'	2'	L_2 as per 279.2'-282' (1.5') plus 0.5' of L_2 epidotized.
		- calcitic throughout.				
		- @ 295.6' is a small fracture with calcite and some alteration.	287'	290'	3'	L_2 cs gr epidotized, little or no vis. sulphides.
		- there is less than 1% diss. pyrite throughout.	290'	292.5'	2.5'	L_2 cs gr epidotized, diss.py <1%.
			292.5'	295'	2.5'	L_2 cs gr epidotized, diss.py <1%, 2 small qtz veinlets.
		END OF HOLE @ 298' or 90.83m	295'	298'	3'	L_2 cs gr epidotized, little or no vis. sulphides, 1 small fracture with alteration.
		J.P. Mac				
		HOLLINGER ARGUS LIMITED TIMMINS ONTARIO				

DIAMOND DRILL REPORT

Location: XL 0 @ 100' N of BL. "C"

Core Size: BQ

Azimuth: 135°

Elevation: Surface

Dip: Collar @ -55°; @ 200'(60.96m)-44.5°; @ 500'(152.39m)-53.5°

PROPERTY: DENTON #4-83 (Brown-McDade Option)

Township: Denton Township

Location of Collar from #1 Post of Claim P.554603
120.39m or 395' West
131.06m or 430' South

HOLE No. D4-9-83 1.

Commenced: October 7, 1983

Finished : October 16, 1983

Contractor: Bradley Bros.

From	To	DESCRIPTION	From	To	Width							Description of Sample
0	135'	Casing.										
	41.15m											
135'	428.4'	Quartz Diorite										
41.15m	130.57m	- coarse grained.										
		- speckled grey blue and white in colour.										
		- core is locally altered and silicified in sections throughout.										
		- altered sections are much finer grained, blue grey in colour due to injections of silica along fractures.										
		- core is nonmagnetic to weakly magnetic in a few places due to finely disseminated pyrrhotite.										
		- core is non-ankeritic.										
		- the unaltered quartz diorite does not react when HCl is applied.										
		- in the altered zones numerous fractures with calcite are present, along with carbonitization around the quartz eyes which are often developed.										
		- in the quartz diorite, feldspars are commonly epidotized and have a green hue.										
		Notable features present within the unit are:										
		- from 135'-136.2' is casing size core (BX, 2 7/8" diameter).										

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		- 139'-140.3' core is altered and silicified										
		and weakly magnetic due to minor diss. po.										
		- 148.5'-156' lost core.										
		- @ 156.5' and 159.5' are two small (≐1") glassy										
		quartz veinlets with minor chlorite.										
		- 160'-161.8' semi-altered silicified quartz										
		diorite with a small quartz veinlet at 25° to the										
		C.A. @ 160.8'; @ 161.4' is a second small qtz veinlet										
		@ 50° to the C.A.										
		- 170'-171.5' slightly silicified section;										
		@ 170.2' is some calcite strs. @ 15° to the C.A.										
		- 173.2'-175.4' core is slightly altered and										
		silicified with micro stringers of calcite running at										
		a poor angle to the C.A.										
		- core also has blue quartz eyes developed.										
		- @ 177.8' is a small fracture with local										
		silicification.										
		- @ 182', 182.6', 183' and 187.4' are small										
		inclusions? of chloritic material, possibly andesite.										
		- @ 185.6' is a 2" qtz vein with chlorite and										
		potassium staining on the margins of the veins; no										
		visible sulphides.										
		- vein is @ 35° to the C.A.										
		- 188.6'-189.3' inclusion of andesite containing										
		phenocrysts of feldspar.										
		- fine grain grey green chloritic material with										

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Au oz						Description of Sample
		5-10% coarse grained feldspar phenocrysts.										
		- minor calcite, nonmagnetic.										
		- no visible sulphides.										
		- non-ankeritic.										
		- 206'-207.3' core is lightly stained by potassium,	207'	209'	2'							0.3' of L_2 stained by K
		somewhat carbonitized.										0.6' of glassy white qtz + chl. 0.3' of chlorite and 0.8' of
		- 207.3'-207.7' glassy quartz vein @ $\approx 30^{\circ}$ to the										qtz CO_3 + chl veining with K staining.
		C.A., fair amount of chlorite as well.										
		- 207.7'-208' chlorite $\pm$ qtz.										
		- 208'-208.5' is qtz-CO_3 vein heavily stained by										
		potassium and chloritic, very minor sulphides (<1%).										
		- 208.5'-208.7' glassy qtz vein as from 207.3'-										
		207.7'.										
		- 208.7'-212' core is somewhat lighter grey due										
		to silicification.										
		- 214'-219' as from 208.7'-212'.										
		- 220.5'-230' f.g. grey silicified and altered	220'	225'	5'							4.5' of L_2 alt sil, fine diss.po.
		qtz diorite, somewhat carbonitized, weakly magnetic										($\leq$1%), 0.5' of L_2
		due to diss. po, very minor cpy.	225'	230'	5'							5' of L_2 alt sil, blue qtz eyes,
		- @ 238.3' is qtz CO_3 strs with $\leq$1% po. in										minor calcite strs and diss. po ($\leq$1%).
		calcite str; blue qtz eyes are also present throughout	249'	251'	2'							1.5' of L_2 alt + sil plus 0.5'
		as are minor micro strs of calcite.										of L_2, minor calcite strs.
		- 253.5'-256' as from 220.5'-230', schistosity	253'	257'	4'							3.5' of L_2 alt + sil, minor qtz-
		45° to the C.A.										CO_3 veinlets, 0.5' of L_2.
		- @ 256.6' small qtz veinlet at 20° to the C.A.	257'	258'	1'							L_2 with 2" qtz CO_3 veinlet.
		- 257.2'-257.5' glassy grey qtz-CO_3 veinlet.										

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Au oz						Description of Sample
		- 264'-264.5' marcasite along fracture plane										
		running down core.										
		- 273'-273.5' silicified section.	272'	274'	2'							1.5' of L_2 and 0.5' of L_2 alt and sil.
		-288'-290' slightly silicified section with										
		minor potassium staining @ 288.3' around qtz-CO_3	288'	290'	2'							L_2 sil, minor K staining and small qtz-CO_3 str.
		veinlet.										
		- 312.2'-312.7' qtz veinlet with chlorite and	312'	313'	1'							L_2 with 0.5' of qtz-CO_2 veinlet, chloritized.
		calcite.										
		- @ 314.5' 1" qtz veinlet @ 40° to the C.A.	313'	315'	2'							L_2 with a 2" qtz veinlet with some chlorite.
		- 317.5'-319' slightly altered and silicified										
		qtz diorite.										
		- 332'-339' semi-altered and silicified quartz	332'	333'	1'							L_2 alt sil schistose chloritic with blue qtz eyes, <1% diss.py
		diorite with some remnant diorite texture still										
		present; a number of calcite strs. are present, most	333'	336'	3'							L_2 semi-altered, one calcite str, silicified diss.py <1%.
		notable being @ 335.4', str. @ 28° to the C.A.										
		- 332'-333' core is highly altered, fine grained	336'	338'	2'							1.5' of L_2 alt sil with one calcite str and 0.5' of qtz CO_3 veining.
		with blue qtz eyes, minor potassium staining, minor										
		epidotization and a well developed schistosity @ 30°	338'	341'	3'							L_2 locally sil diss.py ≤2%.
		to the C.A., only very minor diss. py.										
		- 336.8'-337.3' is a qtz-CO_3 veinlet with	341'	345'	4'							L_2 with one qtz veinlet and one fracture with silicification, little or no vis. sulphides.
		chlorite (carbonate is secondary), no visible sulphides.										
		- 338'-341' locally altered and siliceous quartz										
		diorite around fractures; from 338'-339' core is										
		mineralized with ≤3% diss. pyrite.										
		- @ 342.5' is a small fracture with accompanying										
		silicification running @ 35° to the C.A.										

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Au oz						Description of Sample
		- @ 343.6' is a small (<1" wide) quartz veinlet										
		running @ 28° to the C.A.; no visible sulphides.										
		- 344.7'-345.9' lost core.										
		- @ 366' is a 3/4" wide glassy blue grey qtz	365'	367'	2'							L_2 with a 3/4" qtz veinlet.
		veinlet with minor calcite, veinlet is @ 30° to the										
		C.A.										
		- @ 372.8' is a 3" wide glassy grey qtz veinlet	372'	373'	1'							L_2 with 3" qtz vein, very
		with minor calcite and very minor sulphides, including										minor calcite and py and sphalerite.
		a small amount of sphalerite; veinlet is @ 32° to the										
		C.A.										
		- 374.7'-375.3' is a glassy grey quartz vein	374.5'	375.5'	1'							L_2 with 0.6' of glassy grey qtz,
		with some chlorite and some calcite as well along										minor sulphides, minor calcite.
		secondary fractures in the qtz, in one of these										
		fractures is a tiny amount of sulphides, veinlet										
		@ 40° to the C.A.										
		- 382.5'-384' core is stained with potassium on										
		one side due to fractures along core.										
		- 380'-400' core is somewhat greener in colour										
		due to epidotization of the feldspar crystals.										
		- @ 389' is a small (<1") glassy grey qtz										
		veinlet.										
		- 398.3'-398.8' is a glassy quartz vein running	398'	399'	1'							L_2 with 0.5' of qtz vein
		@ roughly 28° to the C.A.; the vein itself is thin										with secondary chlori[illegible]
		cut by 2 fractures filled with chlorite. The secondary										fractures, little or [illegible]
		fractures are roughly perpendicular to the vein and										vis. sulphides.
		offset the vein both sinistrally and dextrally (micro										

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		rifting). The chloritic fractures are @ 30° to the				
		C.A. and 20° to the C.A.				
		- @ 403.2' is a 1" wide glassy grey quartz vein	403'	405'	2'	L_2 with qtz veining, little
		with chlorite and calcite as well as minor potassium				or no diss. sulphides.
		staining, vein is @ 30° to the C.A.				
		- @ 404' is a smaller (½") qtz vein with some				
		micro faulting and calcite filling, the resultant				
		fracture vein is offset sinistrally, neither veinlet				
		has more than minor diss. sulphides if any, the				
		smaller veinlet is @ 45° to the C.A.				
		- @ 413.5' is a small (≤½") glassy grey qtz				
		veinlet @ 35° to the C.A.				
		- veinlet has strong potassium staining in				
		surrounding wallrock.				
		Contact: very sharp, somewhat epidotized @ 55°				
		to the C.A.				
428.4' 130.57m	506' 154.22m	Quartz Diabase Dyke				
		- colour varies from dark grey to light grey or				
		salt and pepper depending on the grain size.				
		- core also has small (±2 mm) greenish white				
		feldspar phenocrysts throughout coarse grained				
		sections; core is fine grained from 428.4'-437'				
		(chilled margin); from 456'-461' and from 500.3'-506'				
		(chilled margin).				
		- from 428.4'-506' is moderately to strongly				

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		magnetic with the notable exception of from 456'-461' which is only very weakly magnetic, as well as the lower chilled margin which decreases somewhat in magnetic strength over the last few feet, i.e. @ 506' core is weakly magnetic.				
		Some notable features within the diabase are:				
		@ 441.5' is a one-inch patch of quartz heavily stained with epidote.				
		- from 456'-461', this finer grained, less magnetic section is also somewhat carbonitized with some mineralization diss. py ≤1%; also this section from 460'-461' is cut by calcitic strs. @ ≈15° to the C.A.				
		Contact: broken but appears to be @ 65° to the C.A.				
506' 154.22m	514' 156.66m	Quartz Diorite				
		- similar to section from 135'-428.4'	510'	511'	1"	L_2 with 0.3' of qtz-CO_3 veining with chloritic material diss.py (<1%).
		- no highly altered and silicified sections are present.				
		- core has a slight pink hue in phases due to potassium.				
		- 510'-510.3' is some qtz-CO_3 veining with chloritic material and diss. pyrite (<1%).				
		Contact: sharp @ 75° to the C.A.				

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
514'	602'	Andesite				
156.66m	183.48m	- fine grained.				
		- varying in colour from dark grey to light greyish green.				
		- core is essentially non-carbonated; however, numerous calcite strs do cut the core and in many instances where the core is light green and bleached the core is carbonated.				
		- core is very weakly magnetic throughout.				
		- core is non-ankeritic.				
		- andesite is very massive; what evidence of a schistosity there is appears to be @ roughly 45° to the C.A.				
		- this unit could well be a pillowed andesite; however, while some suggestion of pillows is present, no definitive evidence was observed in the core.				
		- notable features observed were:				
		- @ 521.8' is a ½ inch qtz-CO_3 veinlet running along the core, veinlet has a distinct yellowish hue, very minor diss. py.	520'	522'	2'	A_2 with 1" wide qtz-CO_3 veinlet.
		- 522.5'-523.4' is qtz-CO_3 veining @ 40° to the C.A., veining has a distinct pink hue due to potassium, very minor sulphides, veining could be fine grained granitic material.	522'	525'	3'	A_2 with 1.8' of L_2? in two 0.9' wide veinlets.
		- 523.9'-524.9' is a veinlet of quartz diorite somewhat more potassium staining than usual.				

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		- 532'-532.5' qtz-CO_3/L_2 alt veining section	532'	533'	1'	A_2 with 0.5' of qtz-CO_3/L_2 alt veinlet with qtz eyes.
		is similar to section from 522.5'-523.4'; however,				
		section has more feldspars suggesting a qtz diorite	535'	540'	5'	A_2 with one small qtz-CO_3 vein,
		veinlet.				a few calcite strs and minor diss.py (<1%).
		- @ 539.5' is a 3/4" qtz-CO_3 veinlet @ 20° to	540'	543'	3'	A_2 with numerous strs and
		the C.A.				bleaching, little or no visible sulphides.
		- 541'-546' core is cut by numerous calcite strs	543'	545'	2'	A_2 as above, minor diss.py and
		and is bleached to light green colour around the				po, diss.sulph. ≤1%.
		calcite filled fractures.	545'	546'	1'	A_2 as above with ½" qtz-CO_3 veinlet, diss.sulph. ≤1%.
		- 546'-548.3' quartz vein with some carbonate	546'	547'	1'	Quartz vein, some chl, very
		and chlorite, mineralized with diss.po (≤1%) throughout.				minor diss.py (<1%).
		- 548.3'-550' fair amount of disseminated po	547'	548'	1'	Qtz vein with some A_2, diss.po ≤3% plus minor diss cpy + py.
		(≤5%).	548'	549'	1'	A_2 with some quartz diss.po ≤10%, minor cpy and py.
		- 551'-552' quartz-carbonate veining running	549'	550'	1'	A_2 with 4% diss.po, 4% diss.py.
		along core.	550'	552'	2'	A_2 bleached, with a qtz-CO_3 str, diss.po ≤2%.
		- 554.7'-555.1' is qtz-CO_3 veining with some	552'	555'	3'	A_2 well fractured, minor diss.po ≤1%.
		epidotization.	555'	560'	5'	A_2 well fractured, some bleaching
		- 555'-560' core is highly fractured and				little or no visible sulphides.
		bleached to a light grey green.				
		- 560'-582' core is a rather uniform light grey				
		colour with a number of calcitic fractures at all				
		angles to the C.A.				
		- 582'-584.8' core is bleached to a light grey	582'	585'	3'	A_2 bleached, little or no
		green colour.				sulphides.
		- 584.8'-588.5' core is fg. very dark grey in				
		colour, probable trap dyke.				

DIAMOND DRILL REPORT Hole No. D4-9-83

PROPERTY Denton #4-83 Group (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		Contacts are sharp but broken.				
		- 588.5'-595' as from 582'-584.8'; @ 591.2' small	590'	595'	5'	A_2 some bleaching, very minor diss.py ≤1%.
		qtz-CO_3/L_2 alt veinlet.	595'	598'	3'	A_2 with minor fractures.
		- 595'-602' as from 560'-582'; @ 598.6' is	598'	600'	2'	A_2 with 1 qtz-CO_3 str + diss. po ≤1%.
		½" qtz-CO_3 veinlet which has been displaced sinistrally				
		by a small fracture, veinlet is @ 25° to the C.A.	600'	602'	2'	A_2 minor strs. over the last 6".
		END OF HOLE @ 602' or 183.48m				

J. A. Wilson

BULLINGER ARGUS LIMITED
TIMMINS ONTARIO

DIAMOND DRILL REPORT

Location: XL 400'W @ 100' N of BL. "D"

HOLE No. D4-10-83 1.

Core Size: BQ

PROPERTY : DENTON #4-83 (Brown-McDade Option)

Azimuth: 158°

Township : Denton Township

Commenced: October 17, 1983

Elevation: Surface

Location of Collar from #4 Post of Claim P.554601

Finished : October 22, 1983

Dip: -45° @ Collar;
-38° @ 400' or 121.91m

85.34m or 280' East
24.38m or 80' South

Contractor: Bradley Bros.

From	To	DESCRIPTION	From	To	Width	Description of Sample
0	15'	OVERBURDEN.				
	4.57m					
15'	16'	BOULDER - one of which is coarse grained,				
4.57m	4.88m	moderate to strongly magnetic, diabase; the remaining				
		are fragments of rhyolite.				
16'	154.2'	RHYOLITE TUFF				
4.88m	47m	- core is very fine grained, generally light grey in				
		colour.				
		- core is highly siliceous throughout.				
		- core exhibits well developed tuffaceous bedding				
		@ 55° to the core axis.				
		- in numerous places core is fractured and the				
		fractures are filled with calcite and occasionally				
		minor sulphides.				
		- core is also brecciated in many locations.				
		- with a few notable exceptions, the core is not				
		calcitic.				
		- core is non-ankeritic.				
		- core is nonmagnetic to very weakly magnetic				
		due to disseminated pyrrhotite.				
		- the core is not well mineralized, i.e. <1% dis-				
		seminated sulphides are present throughout.				

PROPERTY Denton #4-83 (Brown-McDade Option) **Township** Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		- the unit is quite variable and the notable features				
		of the unit are as follows:				
		@ 18.4' is a silicified fracture, well mineralized with	16'	20'	4'	D_1t quite sil, minor diss.
		pyrrhotite (≤3%), core is weakly magnetic, some minor				po (≤1%), not cc, v.w.mag.
		pyrite is also present.	20'	25'	5'	D_1t quite sil, very minor diss. po (<1%), not cc, v.w.mag.
		- 28.9'-30.4' is a unit of beige coloured material	25'	29'	4'	D_1t not cc, very minor diss.
		which is nonmagnetic, strongly calcitic and bedded @				po (<1%), v.w.mag.
		65° to the C.A.; also present is black chlorite in the	29'	30'	1'	D_1t, ser beige in colour, highly cc, not magnetic, no vis.sulph.
		form of specks throughout and along the slip planes	30'	31'	1'	D_1t beige, cc, not mag, no
		(could be a clastic metasediment).				sulph, plus 0.6' of qtz-CO_3 - vein, no vis. sulph.
		- 30.4'-31' is a qtz-CO_3 veinlet @ 65° to the C.A.;	31'	35'	4'	D_1t not cc, not mag, and no
		veinlet contains chlorite but no visible sulphides.				vis. sulph.
		- 35.5'-38.7' is another beige coloured calcitic section	35'	38'	3'	D_1t beige, heavily cc with
		containing some white patches of secondary calcite;				secondary calcite, no vis. sulph, minor qtz, v.w.mag.
		this section is very similar to that from 28.9' to 30.4'.	38'	40'	2'	D_1t not cc, not magnetic,
		- 38.7'-38.9' is a small qtz veinlet with some comb				minor bx.
		structure in the qtz, very minor calcite, no visible	40'	45'	5'	D_1t not cc, v.w.mag, little or
		sulphides.				no diss.sulphides.
		- 48.3'-49.1' is a milky white qtz vein containing	45'	48'	3'	D_1t not cc, not mag, little or
		chlorite, but no sulphides or calcite; veinlet is @				no vis. sulph.
		40° to the C.A.	48'	50'	2'	0.5' of D_1t sil, 0.8' of qtz
		- 50'-53' is section with numerous strs of calcite				and 0.7' of D_1t, some chl, not cc, no vis. sulph.
		semi-concurrent to the bedding @ 68° to the C.A.	50'	55'	5'	D_1t some cc, some calcite strs,
		@ 62.5' is a narrow stringer @ 50° to the C.A. con-				v.w.mag, little or no vis. sulph.
		taining qtz, calcite and minor sphalerite.	55'	60'	5'	D_1t some sil, some bx, not cc,
						minor calcite strs, not mag, little or no vis.sulphides.

PROPERTY Denton #4-83 (Brown-McDade Option) **Township** Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		- @ 69.99' marcasite is present along a fracture plane.	60'	65'	5'	D_1t some bx, some sil, diss.po and one str. with sph, not cc, w.mag, diss.sulph ≤1%.
		- 80'-154' core appears to be slightly more siliceous,				
		and well fractured.	65'	70'	5'	D_1t sil, some bx, not cc, minor marcasite, not mag.
		- 84'-85' core is brecciated with additional silica.				
		- 98.7'-98.9' is a creamy white qtz-CO_3 veinlet with	70'	75'	5'	D_1t sil, not cc, little or no sulphides, v.w.mag.
		diss.py on contact; veinlet is @ 45° to the C.A.				
		- 107'-107.6' core is highly brecciated and calcitic,	75'	80'	5'	D_1t sil, bx, diss.po and py, diss.sulph. ≤2%, not cc, v.w.mag.
		core is well mineralized as well, diss.sulphides				
		including po and py (≤3%).	80'	85'	5'	D_1t sil, fractured minor qtz-CO_3 veinlets, little or no sulph, not mag.
		- 120'-136' core is approaching a dark grey colour due				
		to a slight increase in chlorite.	85'	90'	5'	D_1t sil, fractured, not cc, not mag, little or no vis.sulph.
		- 147'-152' core has a marked decrease in chlorite				
		and sharp increase in sericite and as such core is	90'	93'	3'	D_1t sil, fractured, not cc, one small qtz veinlet, little or no vis.sulph.
		greyish beige in colour; it is also quite siliceous.				
		- 150.6'-151.6' is an irregular qtz vein in sericitic	93'	98'	5'	D_1 more massive, some cc, v.w.mag.
		rhyolite; vein contains fragments of rhyolite, some	98'	100'	2'	D_1t sil, with 2" qtz-CO_2 veinlet and diss.py <1%, v.w.mag.
		sericite and minor chalcopyrite ≤1% along with very				
		minor pyrite.	105'	107'	2'	D_1t minor bx, little or no sulph, not cc, v.w.magnetic.
154.2' 47m	158.6' 48.34m	ANDESITE FLOW	107'	110'	3'	D_1t some bx, calcitic, diss.po + py ≤2%, w.magnetic due to po.
		- core is fine grained-medium grained, green and white				
		(speckled) in colour, not carbonitized except along the	125'	130'	5'	D_1t sil, well fractured and calcitic along fractures, little or no diss.sulph, not mag, not cc.
		fractures; upper contact is very sharp @ 70° to the C.A.,				
		while the lower contact is sharp but broken; this unit				
		is believed to be a thin flow of andesitic composition,	145'	150'	5'	D_1t with some beige coloured sections, minor diss.py <1%.

PROPERTY Denton #4-83 (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		i.e. unit is much less siliceous and more chloritic;	150'	152'	2'	D_1t ser, plus 1' of qtz veining with minor cpy <1%.
		unit does appear to be slightly coarser grained toward the middle of the unit, however.	152'	155'	3'	D_1t plus 6" of A_2 dyke, minor diss.py, not magnetic.
		- 154.7'-155.4' core is somewhat siliceous.				
		- core is very weakly magnetic, similar to the surrounding rhyolite; core is, however, mineralized with ≤1% pyrite, commonly in blebs up to 2mm in diameter.	155'	160'	5'	3.6' of A_2 and 1.4' of D_1, minor pyrite ≤1%.
			160'	165'	5'	D_1 sericitic, not magnetic, little or no vis.sulphides.
156.8' 48.34m	181.2' 55.23m	RHYOLITE FLOW	165'	170'	5'	D_1 ser, well fractured, not mag, not cc, plus 6" of A_3cc, little or no vis.sulphides.
		- similar to the unit from 16'-154.2'.				
		- this unit, however, appears more massive and fails to exhibit tuffaceous bedding, possibly due to re-crystallization.	170'	175'	5'	D_1, not mag, no cc, little or no sulphides.
			175'	180'	5'	D_1 sericitic, minor diss.py, not mag, not cc, plus 2" of A_3cc.
		- unit is very siliceous, and very fine grained.				
		- well fractured and fractures contain secondary calcite.	180'	185'	5'	A_3cc plus 2' of D_1, not mag, minor diss.py.
		- the colour of this unit is quite variable from dark grey to a slightly pinkish beige colour.				
		- unit is not carbonitized, ankeritic or magnetic.				
		- unit has minor diss.py (<1%).				
		- schistosity within this unit appears to be @ 70° to the C.A.				
		- from 167.4'-168' is a small section of chlorite schist, well carbonitized, not magnetic; lower contact is @ 55° to the C.A., upper contact is @ 65° to the C.A.,				

PROPERTY Denton #4-83 (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		schistosity is @ 63°.				
		Contact: The lower contact of the rhyolite is sharp				
		@ 42° to the C.A.				
181.2' 55.23m	188.7' 57.51m	CHLORITE SCHIST	185'	189'	4'	A_3cc with minor sil sections, diss.py ≤1%, not mag.
		- this unit is very similar to section from 167.4'-168'				
		found within the above rhyolite unit.				
		- dark green in colour, fine grained.				
		- this unit is well carbonitized.				
		- schistosity is @ 65° to the C.A.				
		- nonmagnetic to very weakly magnetic.				
		- notable features are as follows:				
		@ 181.4' is a ½" qtz-CO_3 veinlet @ 50° to the C.A.				
		containing ≤2% diss.py.				
		@ 182.5' core is slightly more siliceous with ≤2% diss.				
		py.				
		- 183.1'-183.5' is a section of yellowish green rhyolite				
		with very fine diss. sulphides (<1%).				
		- 185.4'-186.5' - section of rhyolite within the chlorite				
		schist, similar to section from 183.1'-183.5', closer				
		to normal grey colour of previous rhyolite; lower contact				
		is @ 57° to the C.A.; section contains up to 2% very fine				
		diss. sulphides.				
		The lower contact of the chlorite schist is rather				
		gradual but a sharp line may be drawn where core is				

PROPERTY Denton #4-83 (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		no longer carbonitized, i.e. @ 188.7'.				
188.7' 57.51m	194.1' 59.16m	RHYOLITE FLOW	189'	192'	3'	D_1 with 1.7' of qtz bx, with chl, tourmaline and minor pyrite.
		- similar to section from 156.8'-181.2'; however, the				
		bulk of the core in this section is brecciated quartz	192'	193'	1'	D_1 with 0.4' of qtz bx with ≤3% diss.py, some carbonate.
		veining.				
		- the brecciated quartz veins are found from 189.5'-190',	193'	194'	1'	D_1 not mag, not cc, little or no sulphides.
		190.6'-191.8', and 192.3'-192.7'				
		- the veins contain a large amount of chlorite, some				
		carbonate (calcite), some tourmaline and varying amounts				
		of diss.py; the veinlet from 192.3'-192.7' contains up				
		to 5% diss.py.				
194.1' 59.16m	196' 59.74m	LOST CORE.				
196' 59.74m	405' 123.44m	RHYOLITE TUFF	196'	200'	4'	D_1t badly broken, not cc, finely diss.py ≤1%.
		- as from 16'-154.2'.				
		This unit, as was the case from 16'-154.2',	215'	218'	3'	D_1t badly broken with 1' of qtz veining, little or no vis. sulphides.
		contains a number of notable features or variations				
		throughout. These are as follows:	218'	220'	2'	D_1t badly broken, some fracturing.
		- 196'-200.6' badly broken core.				
		- 205'-206.4' lost core.	235'	240'	5'	D_1t well fractured, little or no vis.sulph, not mag.
		- 206.4'-222.5' badly broken core.				
		- 216.5'-217.5' is a qtz veinlet containing minor				

PROPERTY Denton #4-83 (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		calcite, and some black chlorite; veinlet is badly				
		broken but appears to be running along the core.	245'	250'	5'	D_1t well fractured, some minor bleaching, little or no vis. sulph.
		- 231'-232.4' - lost core.				
		@ 249' tuffaceous bedding is @ 55° to the C.A.	275'	280'	5'	D_1t fractured, some bleached veining (≤1') little or no vis.sulphides.
		- 275'-275.8' is a small zone of bleaching resulting				
		from a heavily carbonated (calcitic) qtz veinlet.				
		@ 279.4' is a one inch carbonated bleached zone as	295'	299'	4'	D_1t fractured with some bleaching around fractures, little or no vis.sulph.
		from 275'-275.8'; veinlet is @ 60° to the C.A.				
		- 299.3'-299.8' is a qtz-veinlet containing calcite	299'	300'	1'	D_1t fractured plus 0.5' of qtz-CO_3, minor diss.py <1%.
		along fractures within the vein, chlorite and minor				
		diss. py (<1%).	310'	315'	5'	D_1t fractured, some bleaching, little or no vis.sulph.
		@ 302.25' is a one inch qtz veinlet with minor calcite,				
		pyrite (≤1%) and chlorite.	320'	322'	2'	D_1t fractured; fair mineralization (≤4% py), not mag.
		@ 318.9' bedding is @ 55° to the C.A.				
		- 331.1'-331.6' - lamprophyre dyke.	322'	325'	3'	D_1t very minor py <1%.
		- very high calcite content.	325'	327'	2'	D_1t somewhat bl, fair mineralization (≤2% py).
		- upper contact broken but sharp, lower contact very				
		sharp @ 80° to the C.A., <1/10" of black chlorite	339'	340'	1'	D_1t fractured, some py along fractures, overall ≤3% py.
		separates lamprophyre from rhyolite tuff.				
		- 341.6'-342.4' rhyolite is somewhat bleached, greenish	340'	343'	3'	D_1t some bleaching and py, ≤1% overall.
		yellow in colour with up to 2% diss. pyrite.				
		- 353.1'-353.5' is some qtz veining running @ a poor	353'	358'	5'	D_1t well fractured, min. with pyrite (≤2% overall)
		angle to the core.				
		- vein contains chlorite and ≤4% pyrite.	358'	360'	2'	D_1t well fractured, some bleaching, very minor diss.py <1%.
		- 360'-361.3' core is highly fractured with local				

PROPERTY Denton #4-83 (Brown-McDade Option) Township Denton Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		alteration and local concentrations of pyrite,				
		overall ≤3% pyrite.	360'	362'	2'	D_1t well fractured, bleached and mineralized, diss.py ≤3%.
		@ 388.3' is a small ≤1" qtz veinlet with some sericite,				
		calcite and chlorite.	362'	365'	3'	D_1t well fractured, very little or no sulphides.
		- 390.1'-390.5' qtz breccia zone with up to 7% pyrite				
		@ 390.2'.	380'	383'	3'	D_1t fractures filled with py + po, weak to mod.mag, diss. sulph.incl.marcasite ≤3%.
		- 394.5'-394.6' and from 395.4'-399.7' "Porphyritic				
		Rhyolite Tuff".	383'	388'	5'	D_1t some fractures, minor py (<1%).
		- core is a lighter grey colour with white phenocrysts				
		of feldspar; this unit is fairly well carbonitized	388'	391'	3'	D_1t somewhat brecciated, some qtz veinlets and py ≤3% overall.
		(calcitic), little or no sulphides.				
		- upper contact is interbedded @ 55° to the C.A.,	391'	395'	4'	D_1t some fracturing, little or no sulphides, minor D_1t porph.
		lower contact is sharp @ 70° to the C.A.				
		- unit still appears to be bedded @ 60° to the C.A.	395'	400'	5'	D_1t porphyritic, some sil, little or no sulph.
		- 400.9'-401.2' and 401.7'-402' are two highly bleached				
		sections creamy white in colour, somewhat carbonated;	400'	402'	2'	D_1t, 2 highly bleached zones, little or no vis. sulphides.
		most likely these are quartz-carbonate patches -				
		the upper one is @ ≈60° to the C.A., while the second	402'	405'	3'	D_1t somewhat more schistose, some bleaching, little or no vis.sulphides.
		is a bleb on only one side of the core.				
		- 402'-405' core is finely laminated @ 55°-65° to the				
		C.A.				
		@ 403.4' is a small amount of fault gouge or qtz-				
		sericite schist.				
		END OF HOLE @ 405' or 123.44m				

J.E. Martin

HOLLINGER ARGUS LIMITED
TIMMINS ONTARIO

42A05SE0145 27 DENTON

354/83

900 Mining Act

Instructions – Supply required data on a separate form for each type of work to be recorded (see table below).
– For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Name and Postal Address of Recorded Holder

HOLLINGER ARGUS LIMITED (Denton Twp.)

P.O. Box 320, Timmins, Ontario P4N 7E2

Prospector's Licence No. A-20822

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 1458

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
P	539619	60	P	568488	44	P	568496	45
	539622	74		568489	44		568497	26
	554597	75.5		568490	44		568498	4
	554600	100		568491	44		568499	45
	554601	100		568492	44		568500	45
	554602	100		568493	45.5		568501	45
	554603	100		568494	44		568502	44
	567641	100		568495	45		568503	4
							568504	4
							568505	44
							568506	44
							568507	44

Required Information eg: type of equipment, Names, Addresses, etc. (See Table below)

PLEASE INDICATE ON WHAT MINING CLAIM(S) ALL THE WORK WAS PERFORMED ON, AND THE TOTAL NUMBER OF DAYS PERFORMED ON EACH

Work Done on Claim	Drill Hole	Az.	Dip	Length	Dates
P.554598	D4-6-83	300°	-50°	153'	Sept.27-Sept.29,1983
	D4-7-83	300°	-50°	298'	Sept.29-Oct.1,1983
P.554601	D4-10-83	158°	-45°	405'	Oct.17-Oct.22,1983
P.554603	D4-9-83	135°	-55°	602'	Oct.7-Oct.16,1983
				1458'	

Contractor was Bradley Bros., Timmins, Ont.
Core Size: All BQ = 1.44"
Credits allotted as per schedule (attached).

RECORDED
NOV 25 1983
Receipt No. _____

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
DEC 28 1983
RECEIVED

Date of Report: Nov.25,1983

Recorded Holder or Agent (Signature): W. H. King

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: J. E. Mountjoy

P.O. Box 320, Timmins, Ont.

Date Certified: Nov.25,1983

Certified by (Signature): J.E. Mountjoy

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of persons who performed manual work or operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates and hours of drilling and testing done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

RECEIVED
PORCUPINE MINING DIVISION
NOV 25 1983
A.M. P.M.
1 0 9 10 11 12 1 2 3 4 5 6

November 25, 1983.

Statement showing distribution of assessment days as a result of 1458 feet of Diamond Drilling on a block of 30 claims which are all contiguous in Denton Township (see property sketch). DDH D4-6-83 and DDH D4-7-83 were collared on claim P.554598. DDH D4-9-83 was collared on claim P.554603. DDH D4-10-83 was collared on claim P.554601. Credits to be applied to 28 of the claims.

Claim Number	Assessment Days
P.539619	60
P.539622	74
P.554597	75.5
P.554600	100
P.554601	100
P.554602	100
P.554603	100
P.567641	100
P.568488	44
P.568489	44
P.568490	44
P.568491	44
P.568492	44
P.568493	45.5
P.568494	44
P.568495	45
P.568496	45
P.568497	26
P.568498	4
P.568499	45
P.568500	45
P.568501	45
P.568502	44
P.568503	4
P.568504	4
P.568505	44
P.568506	44
P.568507	44
28	1458.0 feet

W. H. King

HOLLINGER ARGUS LIMITED
Timmins, Ontario