PRELIMINARY ENGINEERING DRAWINGS
HALL'S LAKE ESTATES
DRAFT PLAN 21T-98001C
PART OF LOT 20, CONCESSION 10 (ALBION)
TOWN OF CALEDON
REGION OF PEEL

THE CORPORATION OF THE TOWN OF CALEDON

REGION OF PEEL

Calder Engineering Ltd.
T 905-857-7600 F 905-857-5900 E calder@caldereng.com
www.caldereng.com

RITELAND DEVELOPMENT CORPORATION
1862 ALBION ROAD
REXDALE, ON M9W 5T2

LIST OF DRAWINGS

GENERAL PLANS
GENERAL PLAN (1 OF 2) 11-167-A-1
GENERAL PLAN (2 OF 2) 11-167-A-2

STORMWATER MANAGEMENT/GRADING PLANS
STORMWATER MANAGEMENT/GRADING PLAN (1 OF 2) 11-167-A-3
STORMWATERMANAGEMENT/GRADING PLAN (2 OF 2) 11-167-A-4

PLAN AND PROFILES
STREET 'A' (STA. 0+000 TO STA. 0+400) 11-167-A-5
STREET 'A' (STA. 0+400 TO STA. 0+800) 11-167-A-6
STREET 'B' (STA. 0+000 TO STA. 0+300) 11-167-A-7
STREET 'B' (STA. 0+300 TO STA. 0+565) 11-167-A-8
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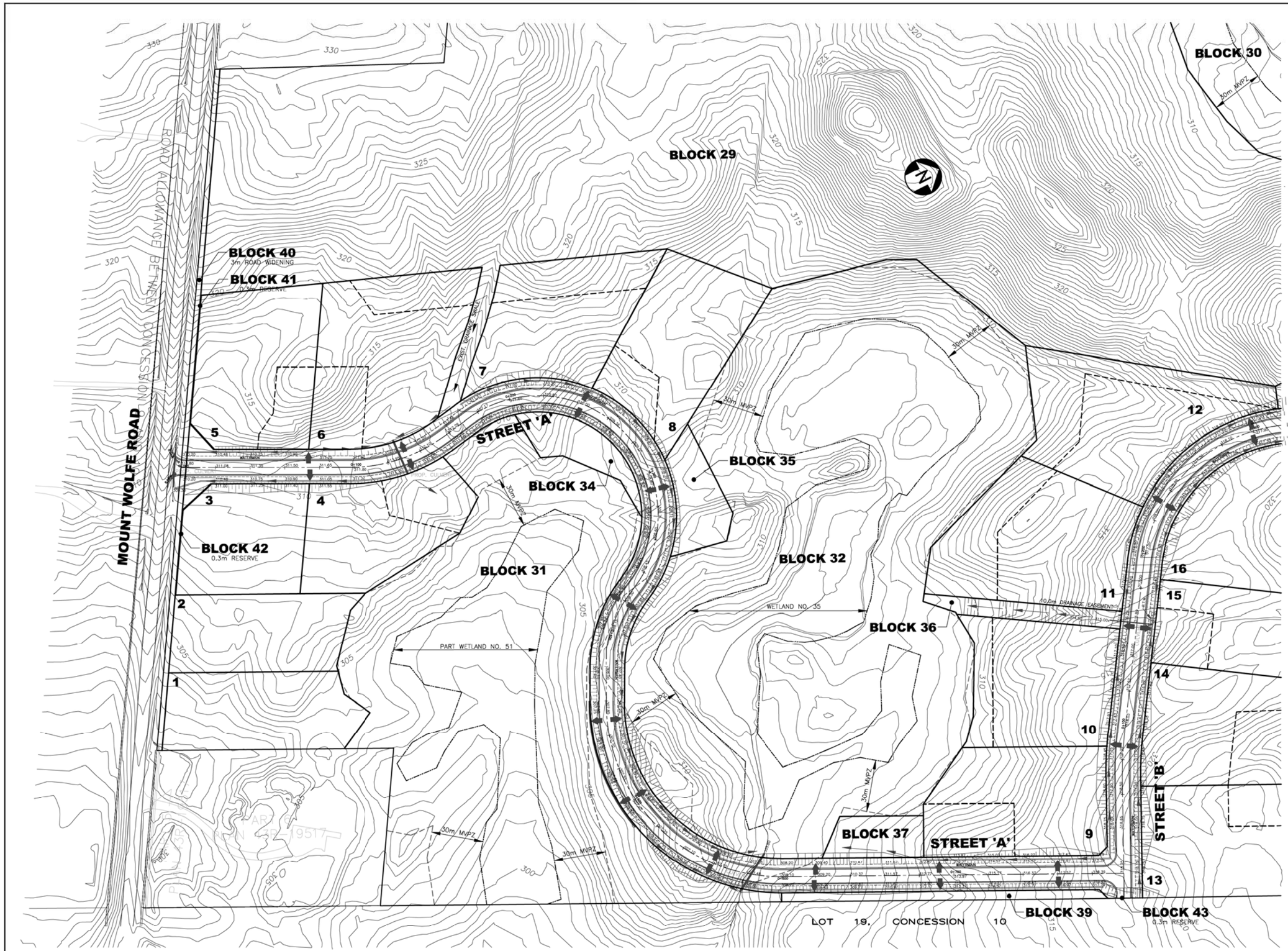
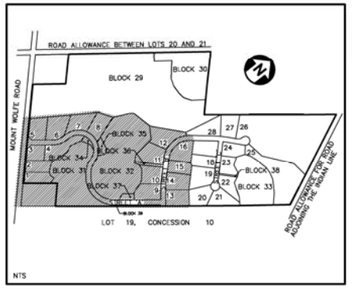
PRELIMINARY LOT GRADING PLANS
LOT 6 - GRADING PLAN
LOT 9 - GRADING PLAN
LOT 11 - GRADING PLAN
LOT 25 - GRADING PLAN
LOT 28 - GRADING PLAN





GENERAL NOTES:

1. THE INFORMATION SHOWN HEREIN IS PRELIMINARY AND SUBJECT TO DETAILED DESIGN.

LEGEND:

- LOT LINES
- STRUCTURE ENVELOPE
- KEY NATURAL HERITAGE FEATURE
- 30m MVPZ
- PROPOSED WATERMAIN
- CURB OUTLETS
- PROPOSED SWALE

NO.	BY	DATE	REVISION	CONS. CHECKED	TOWN APPR'D
1	DH	2013/11/06	DRAFT PLAN APPLICATION	RJW	
2	DH	2015/02/11	DRAFT PLAN APPLICATION RESPONSE	RJW	

DESIGNED BY: APPROVED BY:

BENCH MARK:

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REGION OF PEEL

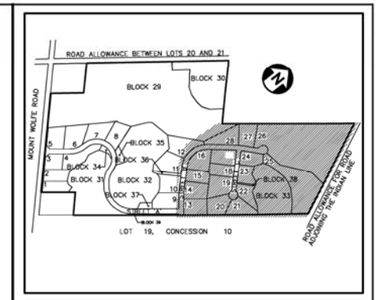
THE CORPORATION OF THE
TOWN OF CALEDON

CLIENT:
RITELAND DEVELOPMENT CORPORATION

PROJECT:
HALL'S LAKE ESTATES
(DP 21T-98001C)

TITLE:
GENERAL PLAN
1 OF 2

Surveyed by:	Scale: Hor. 1:1000	File	
Designed by: D. HAY		Drawing No.	Sheet No.
Drawn by: D. HAY		11-167-A-1	
Chk'd by: R.J. WHYTE	Date: 2013		



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TOWN OF CALEDON

CLIENT:
RITELAND DEVELOPMENT CORPORATION

PROJECT:
HALL'S LAKE ESTATES
(DP 21T-98001C)

TITLE:
GENERAL PLAN
2 OF 2

Surveyed by:	Scale: Hor. 1:1000	File	
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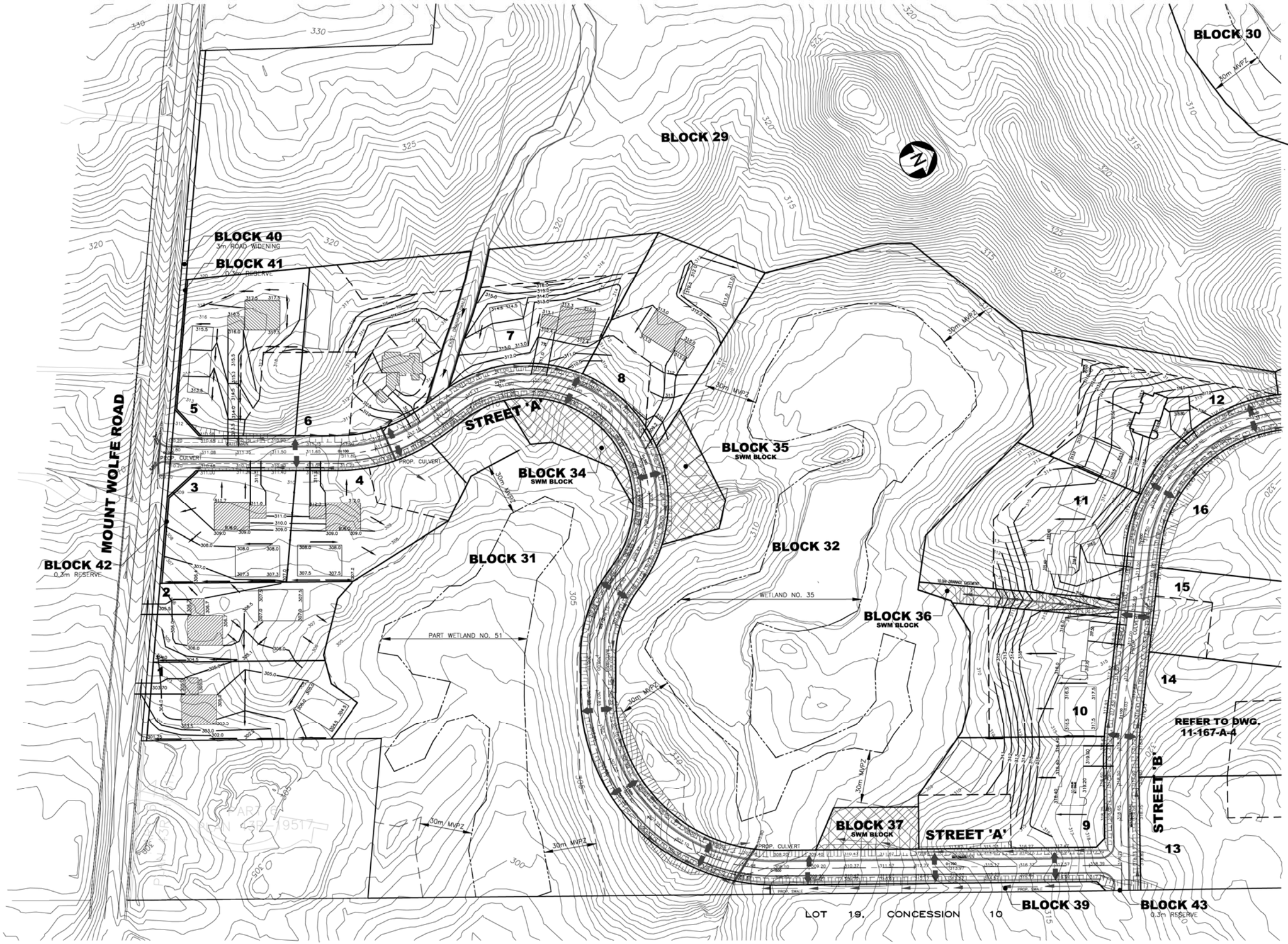
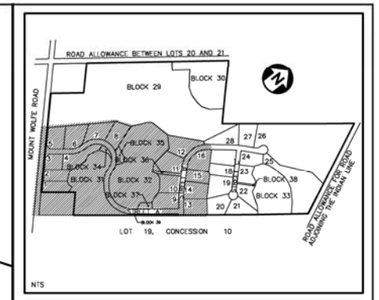
Chk'd by: R.J. WHYTE	Date: 2013		





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- PROPOSED DRY SWALE FILTRATION TRENCH
- PROPOSED SWM BLOCK

NO.	BY	DATE	REVISION	CONS. CHECKED	TOWN APPR'D
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2	DH	2015/02/11	DRAFT PLAN APPLICATION RESPONSE	RJW	

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TOWN OF CALEDON

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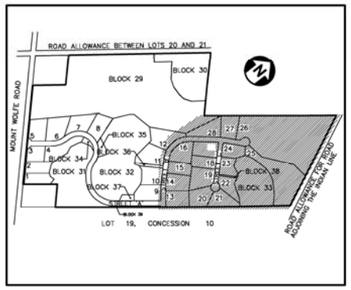
PROJECT:
HALL'S LAKE ESTATES
(DP 21T-98001C)

TITLE:
STORMWATER MANAGEMENT/ GRADING PLAN
1 OF 2

Surveyed by:	Scale: Hor. 1:1000	File	
Designed by: D. HAY		Drawing No.	Sheet No.
Drawn by: D. HAY		11-167-A-3	
Chk'd by: R.J. WHYTE	Date: 2013		



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2	DH	2015/02/11	DRAFT PLAN APPLICATION RESPONSE	RJW	

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PROJECT:
HALL'S LAKE ESTATES (DP 21T-98001C)

TITLE:
STORMWATER MANAGEMENT/ GRADING PLAN
2 OF 2

Surveyed by:	Scale: Hor. 1:1000	File	
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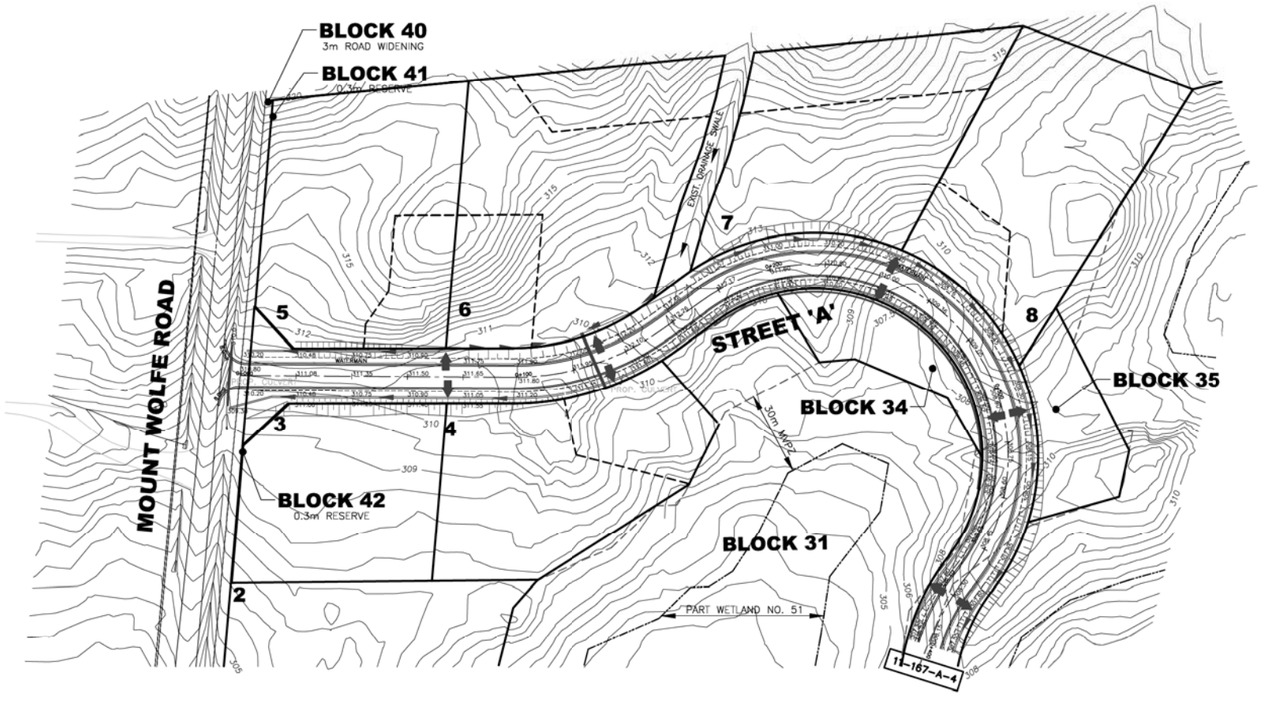
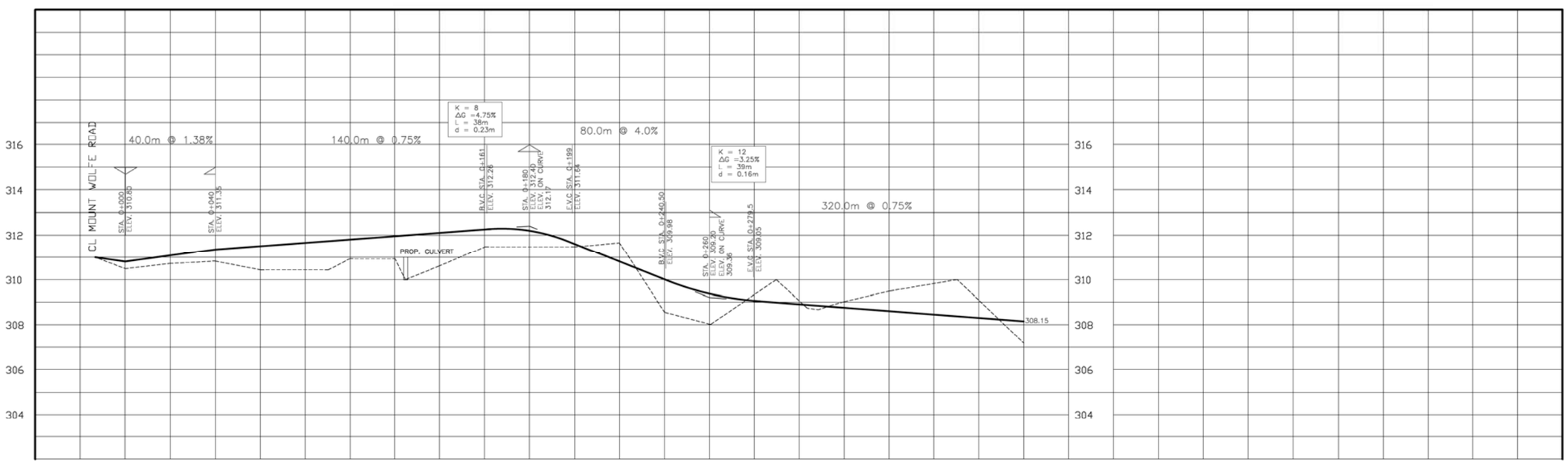
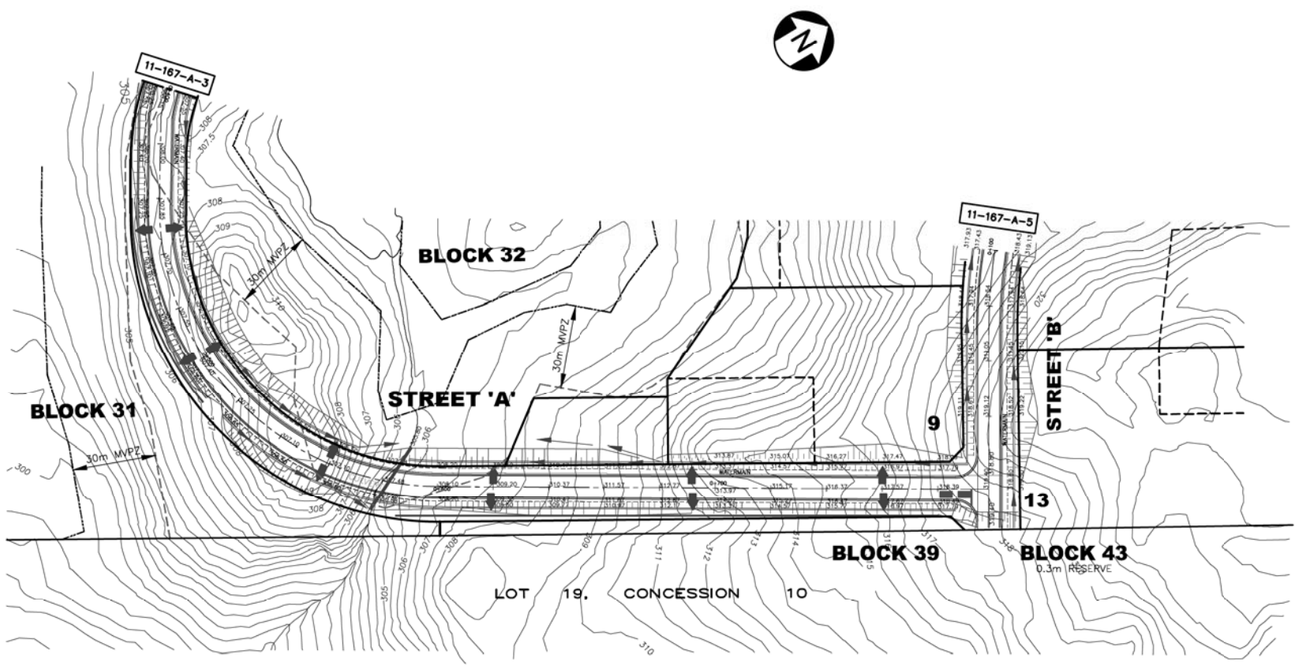
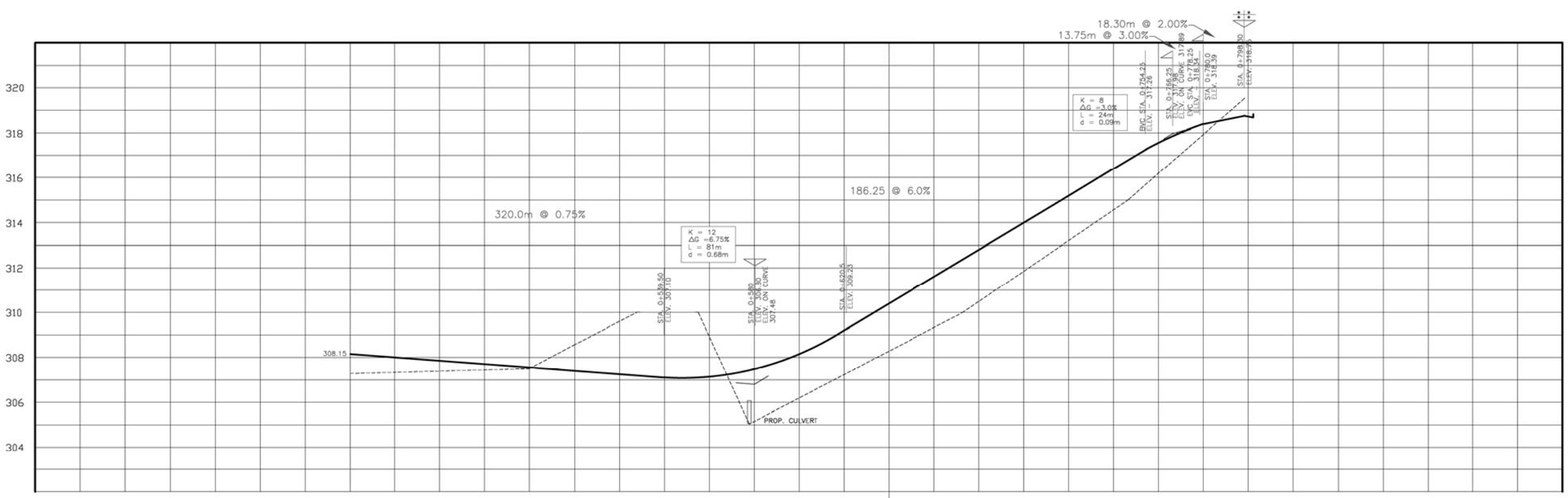
Drawn by: D. HAY		11-167-A-4	
Chk'd by: R.J. WHYTE	Date: 2013		


BLOCK 40
3m ROAD WIDENING
BLOCK 41
0.3m RESERVE
MOUNT WOLFE ROAD
EXIST. DRAINAGE SWALE
STREET 'A'
BLOCK 34
BLOCK 35
BLOCK 42
0.3m RESERVE
BLOCK 31
30m MVPZ
PART WETLAND NO. 51
11-167-A-4
1
2
3
4
5
6
7
8

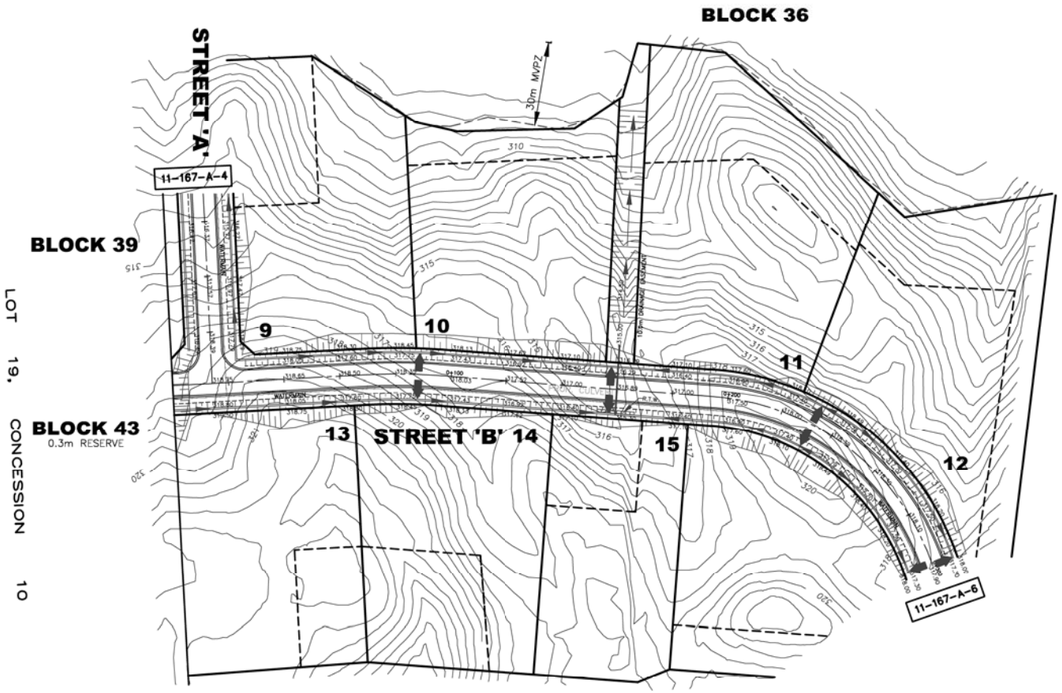

CL MOUNT WOLFE ROAD
40.0m @ 1.38%
140.0m @ 0.75%
80.0m @ 4.0%
320.0m @ 0.75%
K = 8
ΔG = 4.75%
L = 38m
d = 0.23m
K = 12
ΔG = 3.25%
L = 39m
d = 0.16m
STA. 0+000 ELEV. 310.80
STA. 0+040 ELEV. 311.35
B.V.C. STA. 0+161 ELEV. 312.26
STA. 0+180 ELEV. 312.40 ON CURVE ELEV. 312.17
E.V.C. STA. 0+199 ELEV. 311.64
B.V.C. STA. 0+240.50 ELEV. 309.98
STA. 0+260 ELEV. 309.20 ON CURVE ELEV. 309.38
E.V.C. STA. 0+279.5 ELEV. 309.05
PROP. CULVERT
308.15
316
314
312
310
308
306
304

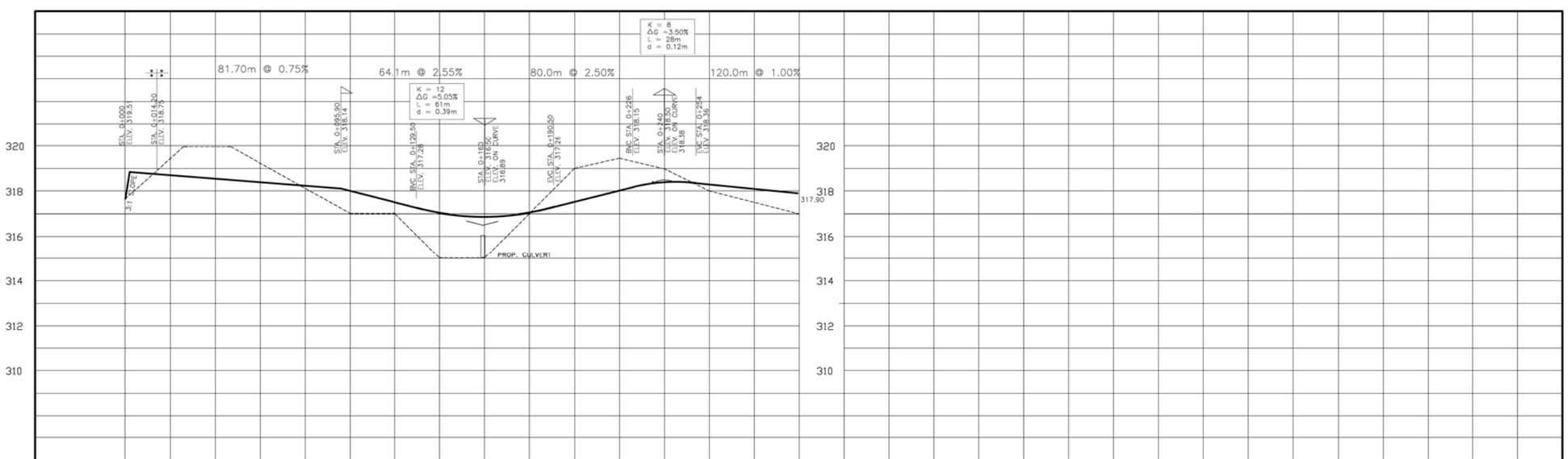
| | | |


11-167-A-3
11-167-A-5
BLOCK 32
BLOCK 31
STREET 'A'
STREET 'B'
30m MVPZ
9
13
BLOCK 39
BLOCK 43
0.3m RESERVE
LOT 19, CONCESSION 10

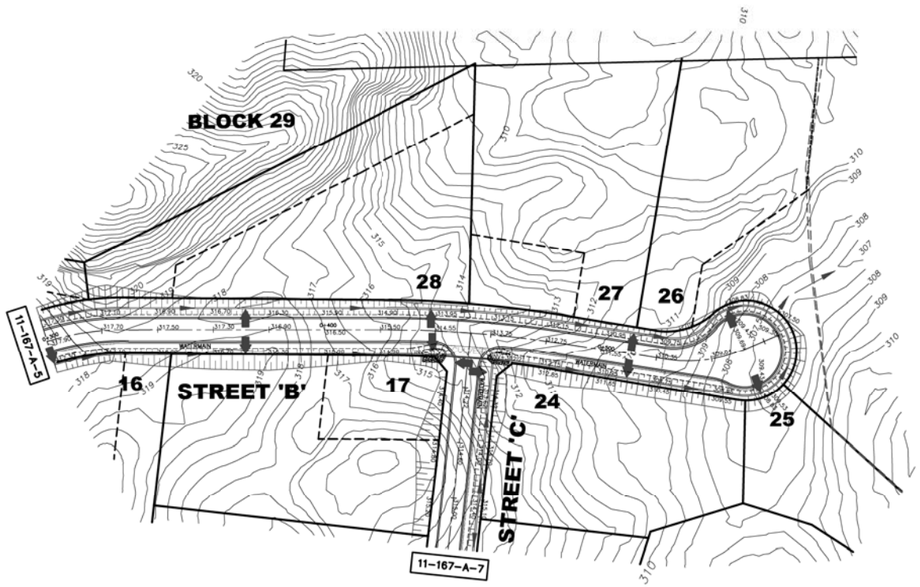

18.30m @ 2.00%
13.75m @ 3.00%
186.25 @ 6.0%
320.0m @ 0.75%
K = 8
ΔG = 3.0%
L = 24m
d = 0.09m
K = 12
ΔG = 6.75%
L = 81m
d = 0.68m
308.15
PROP. CULVERT
320
318
316
314
312
310
308
306
304

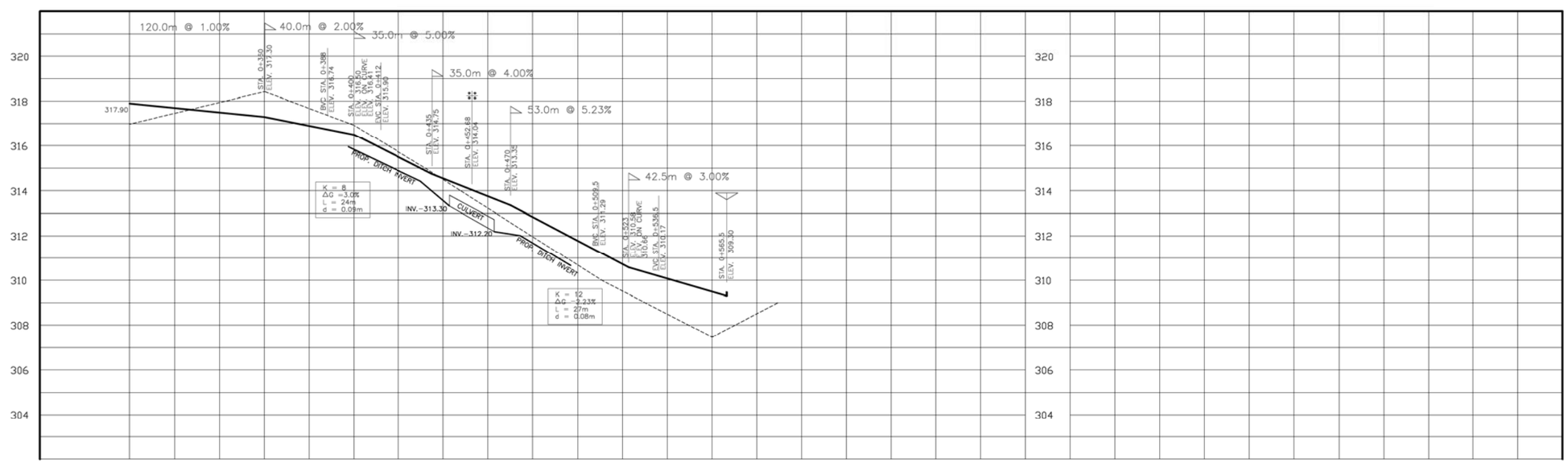
| | | |


BLOCK 36
STREET 'A'
11-167-A-4
BLOCK 39
LOT 19, CONCESSION 10
BLOCK 43
0.3m RESERVE
9
10
11
12
13
STREET 'B'
14
15
30m MVPZ
11-167-A-6


81.70m @ 0.75%
64.1m @ 2.55%
80.0m @ 2.50%
120.0m @ 1.00%
K = 8
ΔG = 3.50%
L = 28m
d = 0.12m
K = 12
ΔG = 5.05%
L = 61m
d = 0.39m
STA. 0+000
ELEV. 319.51
STA. 0+014.20
ELEV. 318.75
STA. 0+095.90
ELEV. 318.14
BVC STA. 0+129.59
ELEV. 317.26
STA. 0+160
ELEV. 316.56
EVC STA. 0+190.50
ELEV. 317.26
BVC STA. 0+226
ELEV. 318.15
STA. 0+240
ELEV. 318.50
EVC STA. 0+284
ELEV. 318.38
3:1 SLOPE
PROP. CULVERT
317.90
320
318
316
314
312
310

| | | |



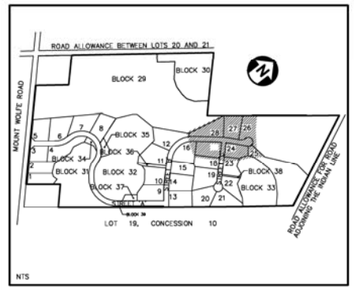


DITCH INVERT		317.30	317.10	316.90	316.70	316.30	315.90	314.90	313.95	313.15	312.15	310.95	309.75	309.24	308.64
PROPOSED RD. GRADE		317.90	317.70	317.50	317.30	316.90	316.50	315.50	314.55	313.75	312.75	311.55	310.35	309.84	309.24
℄ CHAINAGE		0+300					0+400					0+500			

STORM INVERT

PROPOSED RD. GRADE

℄ CHAINAGE



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DESIGNED BY: APPROVED BY:

BENCH MARK:

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CLIENT:
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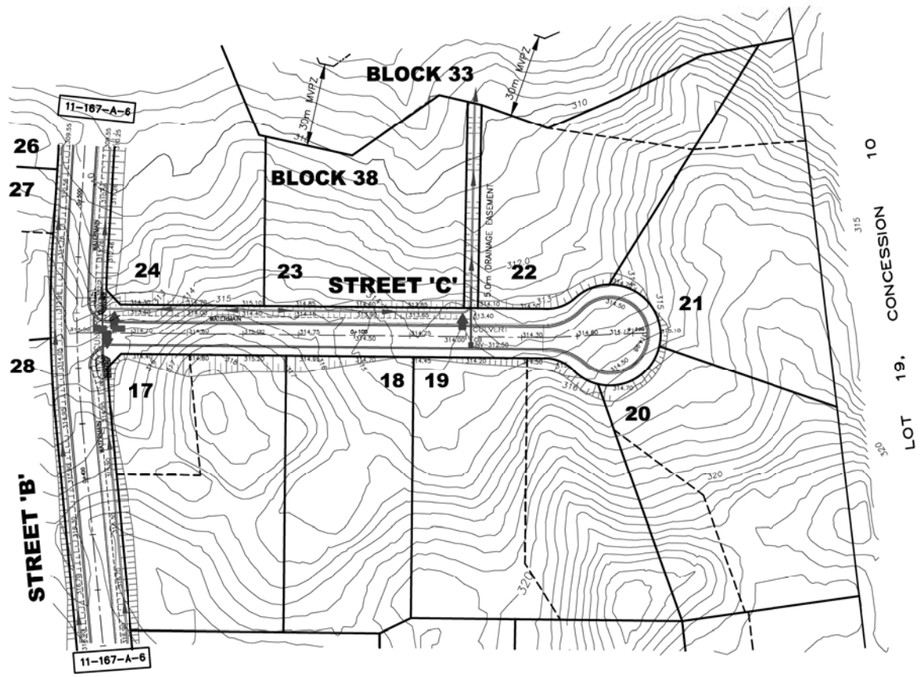
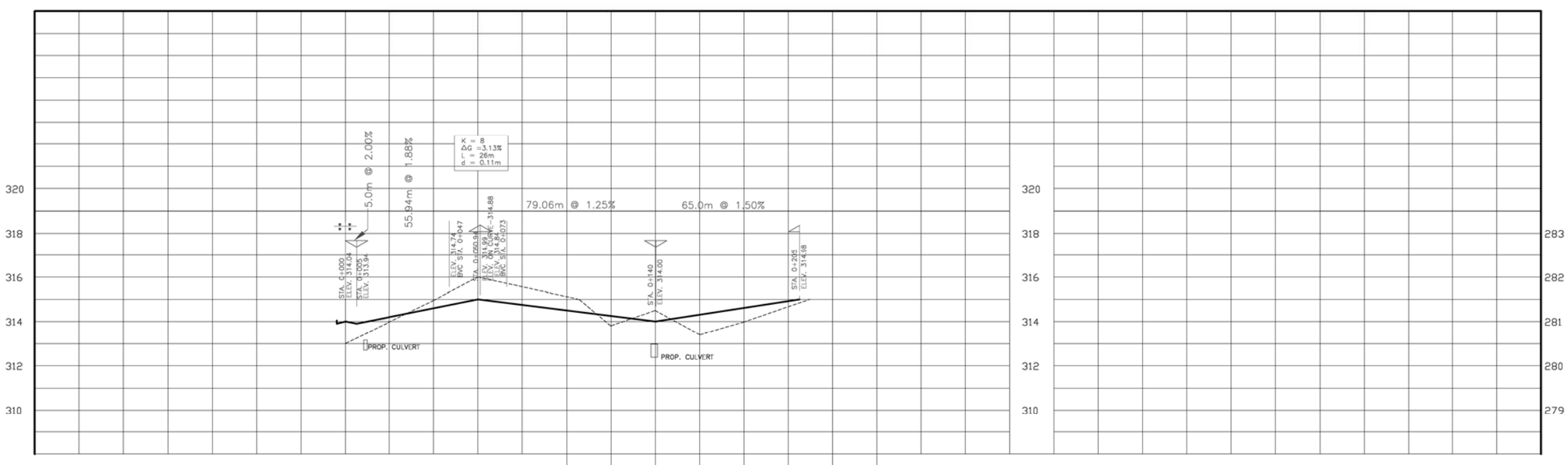
PROJECT:
HALL'S LAKE ESTATES
(DP 21T-98001C)

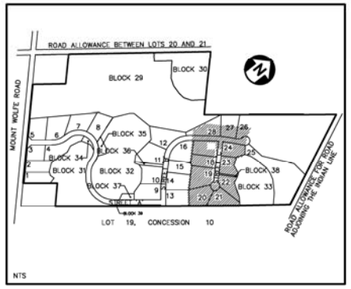
TITLE:
STREET 'B'
STA. 0+300 TO STA. 0+565

Surveyed by:	Scale: Hor. 1:1000 VERT. 1:100	File	
Designed by: D. HAY		Drawing No.	Sheet No.
Drawn by: D. HAY		11-167-A-8	
Chk'd by: R.J. WHYTE	Date: 2013		





STORM INVERT	313.40	313.60	314.00	314.40	314.15	319.90	313.65	313.40	313.70	314.00	314.30
PROPOSED RD. GRADE	314.00	314.20	314.60	315.00	314.75	314.50	314.25	314.00	314.30	314.60	314.90
℄ CHAINAGE	0+000				0+100					0+200	



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DESIGNED BY: APPROVED BY:

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PROJECT:
HALL'S LAKE ESTATES
(DP 21T-98001C)

TITLE:
STREET 'C'
STA. 0+000 TO STA. 0+205

Surveyed by:	Scale: Hor. 1:1000 VERT. 1:100	File	
Designed by: D. HAY		Drawing No.	Sheet No.
Drawn by: D. HAY		11-167-A-9	
Chk'd by: R.J. WHYTE	Date: 2013		

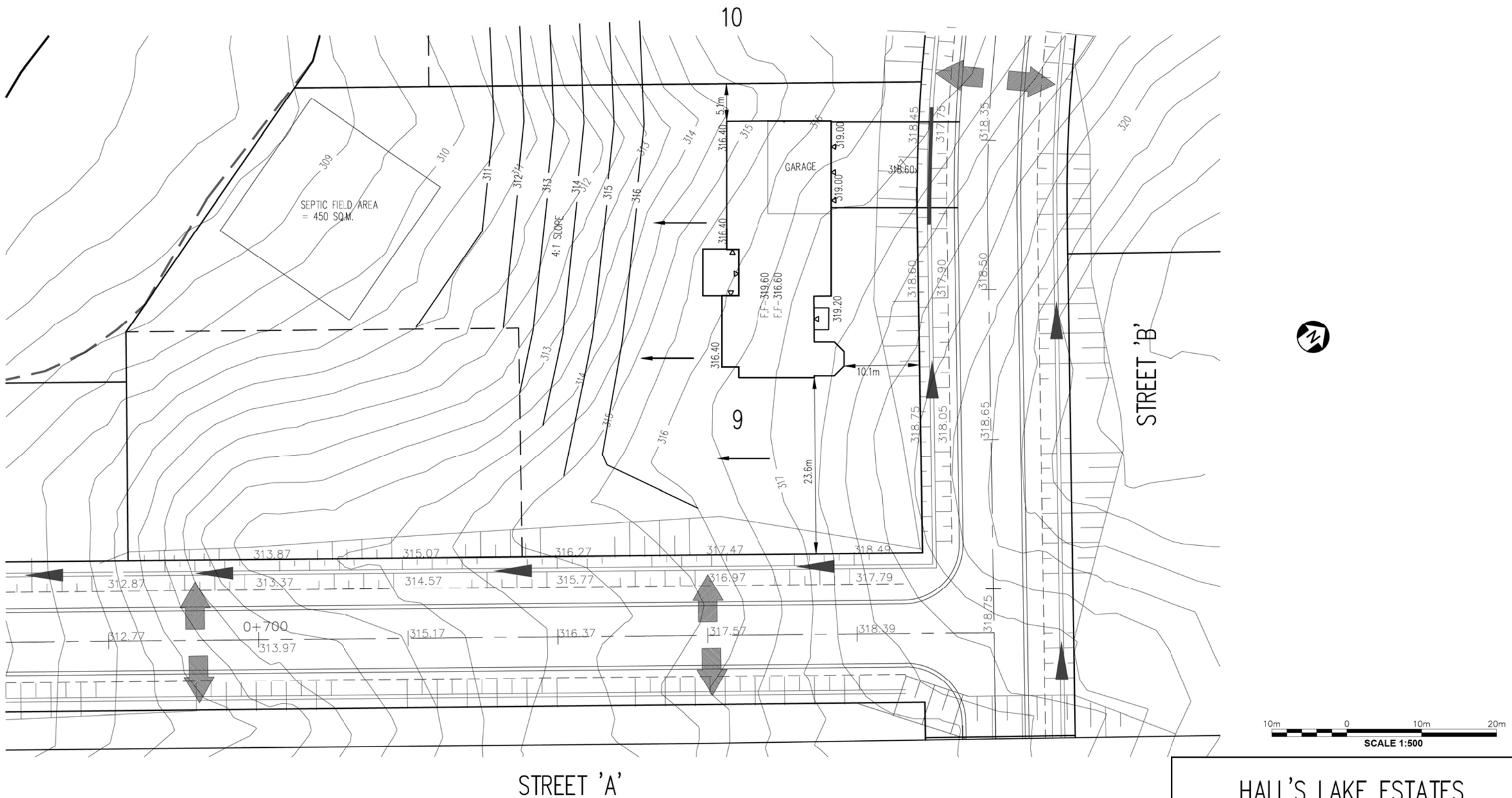
10m 0 10m 20m
SCALE 1:500

HALL'S LAKE ESTATES
LOT 6 – GRADING PLAN

LOT AREA = 6,030 SQ.M.
STRUCTURAL ENVELOPE = 4,050 SQ.M.

Calder Engineering Ltd.

SCALE 1:500



HALL'S LAKE ESTATES
LOT 9 – GRADING PLAN

LOT AREA = 6,320 SQ.M.
STRUCTURAL ENVELOPE = 4,720 SQ.M.

Calder Engineering Ltd.

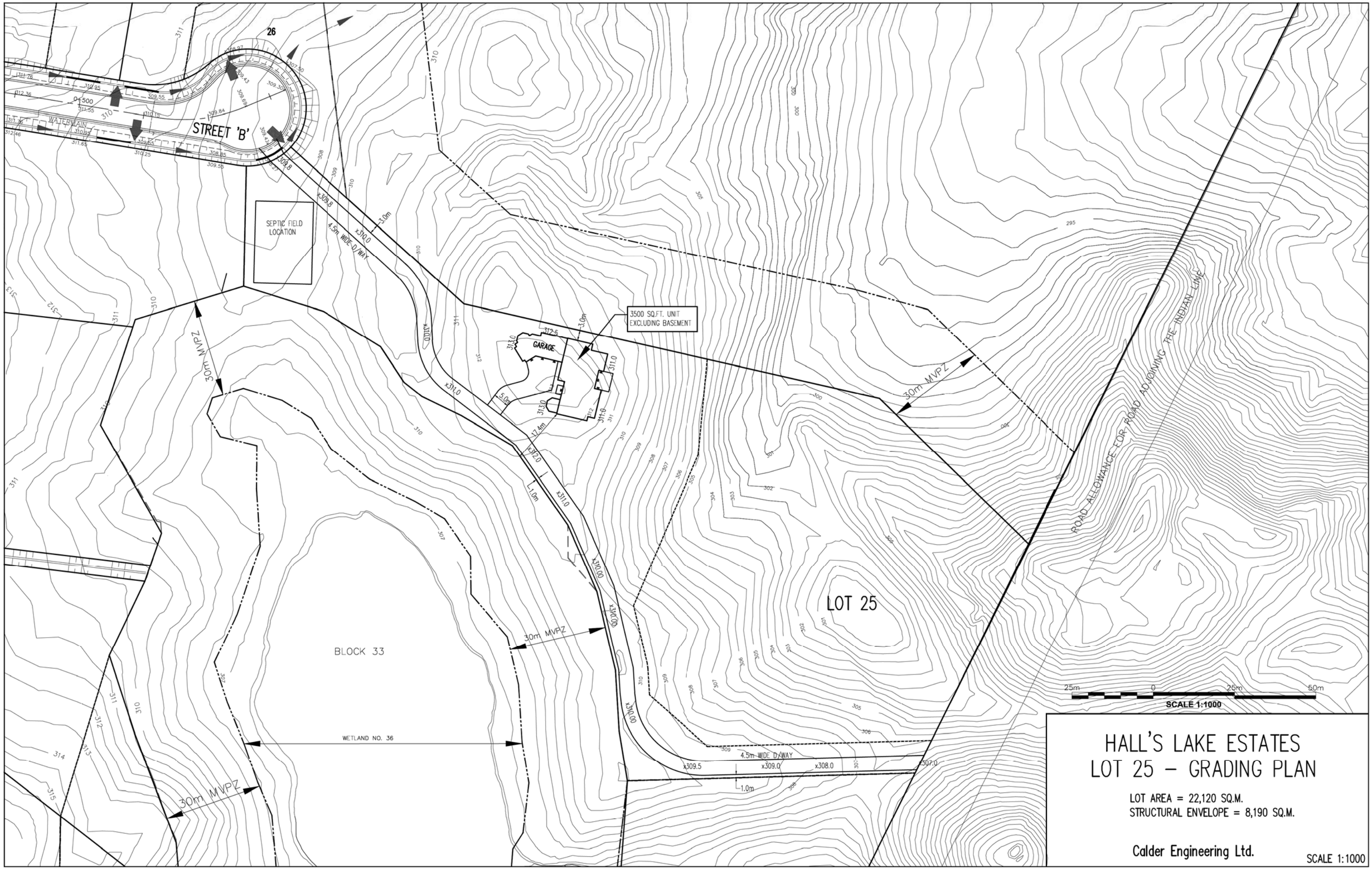
SCALE 1:500

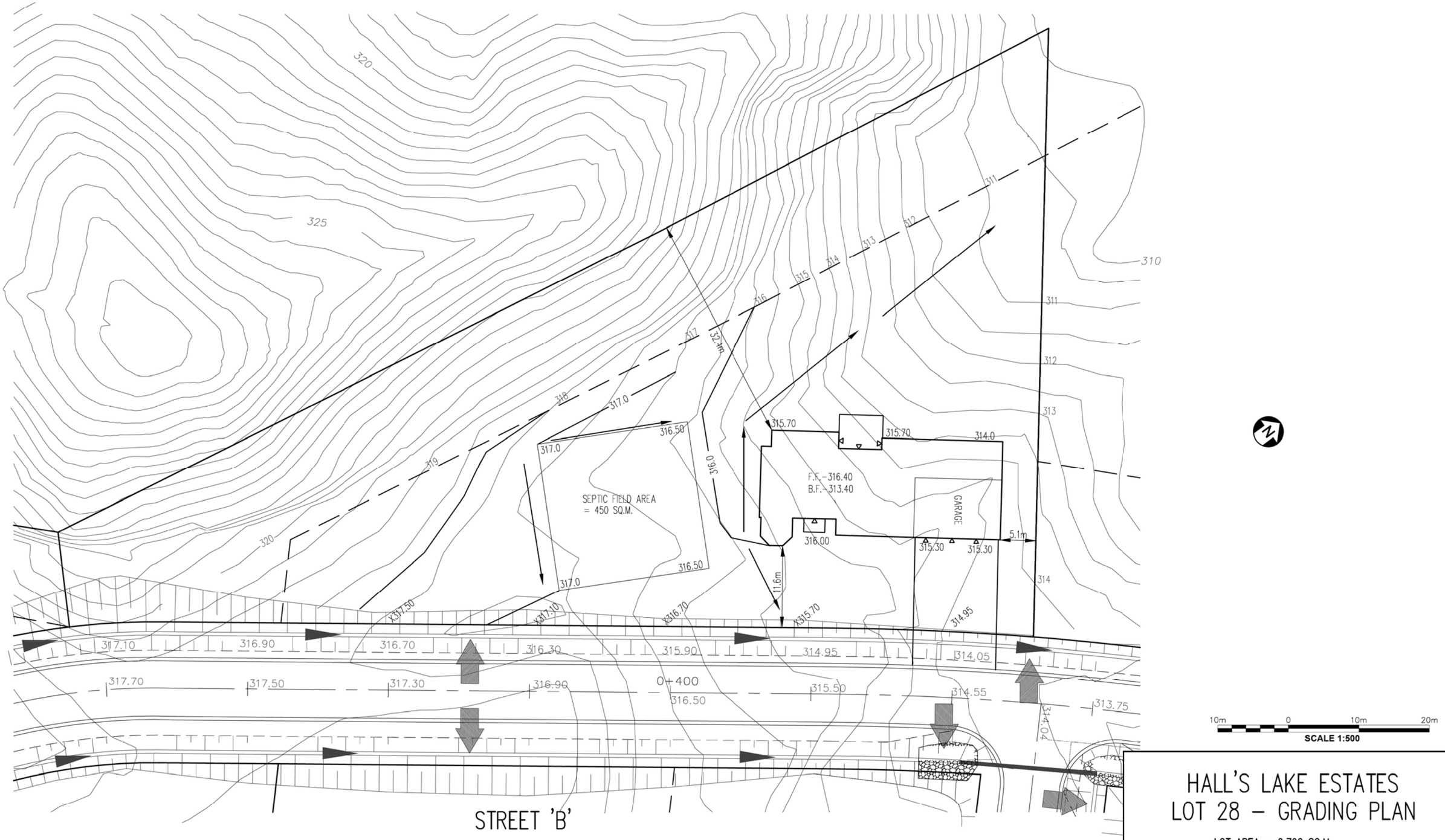
HALL'S LAKE ESTATES
LOT 11 – GRADING PLAN

LOT AREA = 7660 SQ.M.
STRUCTURAL ENVELOPE = 5,000 SQ.M.

Calder Engineering Ltd.

SCALE 1:500


26
STREET 'B'
WATERMAIN
SEPTIC FIELD LOCATION
4.5m WIDE D/WAY
3500 SQ.FT. UNIT EXCLUDING BASEMENT
GARAGE
30m MVPZ
BLOCK 33
WETLAND NO. 36
LOT 25
ROAD ALLOWANCE FOR ROAD ADJOINING THE INDIAN LINE
4.5m WIDE D/WAY
SCALE 1:1000
HALL'S LAKE ESTATES
LOT 25 – GRADING PLAN
LOT AREA = 22,120 SQ.M.
STRUCTURAL ENVELOPE = 8,190 SQ.M.
Calder Engineering Ltd.
SCALE 1:1000



HALL'S LAKE ESTATES
LOT 28 – GRADING PLAN

LOT AREA = 6,790 SQ.M.
STRUCTURAL ENVELOPE = 4,200 SQ.M.

Calder Engineering Ltd.

SCALE 1:500