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Legend

- PROPOSED CULVERT
- PROPOSED DITCH
- PROPOSED HOUSE ENVELOPE AND LOT NUMBER. PROPOSED ELEVATION TO BE IMPLEMENTED AROUND ALL SIDES OF THE HOUSE ENVELOPES.
- LOTS NUMBERS INDICATED IN SQUARE BRACKETS REFER TO REGISTERED LOTS F.I.
- PARTIALLY-RAISED LEACHING BED WITH NATIVE MANTEL (8 RUNS OF 15m) MIN. SW FROM ANY STRUCTURES MIN. 6m FROM ANY PROPERTY LINES. (REFER TO P. PATTERSON AND ASSOC. REPORT 68329-03 DATED MAY 12, 2003, REVISED APRIL 04, 2005.)
- SPARE AREA FOR PARTIALLY-RAISED LEACHING BED (8 RUNS OF 15m) AND BED ELEVATION
- PROPOSED DRILLED WELL
- HAND AUGER HOLE LOCATION
- TEST WELL LOCATION
- DRAINAGE EASEMENT
- PROPOSED LOT CORNER ELEVATION
- EXISTING LOT CORNER ELEVATION
- PROPOSED C_d DITCH ELEVATION
- 100 YR FLOOD ELEVATION
- FILL TO PROVIDE DITCH BACK SLOPE
- CULVERT IDENTIFICATION
- GW=101.0m GROUND WATER ELEVATION (MARCH 17, 2005)
- USF(MIN) 101.80 LOWEST USF BASED ON GROUND WATER ELEVATIONS. SEE NOTES 4 & 5
- 100YR HGL ELEVATION
- NOISE FENCE

Notes

1. ELEVATIONS AT HOUSES ARE BASED ON PARTIALLY RAISED BEDS ON GRAVITY SYSTEM. IF PUMPING IS USED HOUSE ELEVATIONS CAN BE LOWERED. SEPTIC SYSTEM LAYOUT TO BE REVISED ON A LOT BY LOT BASIS.
2. CAUTION: LOWERING OF FOUNDATIONS BELOW GROUND WATER TABLE WILL RESULT IN EXCESSIVE OPERATION OF PUMP PUMPS.
3. REFER TO GP-4 FOR GRADING DETAILS.
4. ALL DITCHES SHALL BE c/w 80mm TOPSOIL SEED AND MULCH.
5. G.W. - RECORDED GROUND WATER ELEVATION. UNDERSIDE OF FOOTING (USF) ELEVATIONS SHALL BE 0.15m (MIN) ABOVE THIS ELEVATION. AS PER THE GEOTECHNICAL REPORT THE FOLLOWING OPTIONS ARE TO BE CONSIDERED FOR DRAINAGE AT THE RESIDENTIAL STRUCTURES:
- 4.1. DAMP PROOF THE EXTERIOR OF THE FOUNDATION WALLS AND BACKFILL THE WALLS WITH FREE DRAINING, NON-FROST SUSCEPTIBLE SAND OR SAND AND GRAVEL SUCH AS THAT MEETING ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) REQUIREMENTS FOR GRANULAR B TYPE 1 OR 2.
- 4.2. INSTALL AND APPROVED PROPRIETARY DRAINAGE MATERIAL (SUCH AS SYSTEM PLANT) ON THE EXTERIOR OF THE FOUNDATION WALLS AND BACKFILL THE WALLS WITH NATIVE MATERIAL OR IMPORTED SOIL.
6. A PERFORATED DRAIN SHOULD BE INSTALLED AROUND THE BASEMENT AREA AT THE LEVEL OF THE BOTTOM OF THE FOOTINGS. THE DRAIN SHOULD OUTLET TO A SUMP FROM WHICH THE WATER IS PUMPED OR SHOULD DRAIN BY GRAVITY TO A SUITABLE OUTLET.
5. USF IS TYPICALLY BASED ON THE FINISHED HOUSE ELEVATIONS (LESS 2.25m) HOWEVER THE (MINIMUM) USF IS THE LOWEST ELEVATION THE ELEVATION WHICH EVER IS GREATER.

9	REMOVED PROP. ENTRANCE FEATURES	GBU	TJW	JAN. 15/13
8	REVISED AS PER CITY COMMENTS	ATR	TJW	SEP. 25/12
7	REVISED AS PER CITY COMMENTS	ATR	TJW	JUN. 27/12
6	100yr FLOODLINE	GBU	TJW	JUN. 23/05
5	REVISED AS PER CITY COMMENTS	GBU	TJW	MAY. 25/05
4	REVISED AS PER CITY COMMENTS	NI	TJW	MAR. 28/05
3	REVISED SITE PLAN DATED SEPT27/04	SK	TJW	OCT. 18/04
2	REVISED AS PER NEW TOPO AND CITY COMMENTS	GBU	TJW	SEP. 21/04
1	REVISED LOT & ROAD LAYOUT	GBU	TJW	DEC. 8/03

Revision	By	Appd.	Date
File Name:	60400144U-BASE		
Seals	Dwn.	Chkd.	Degn.

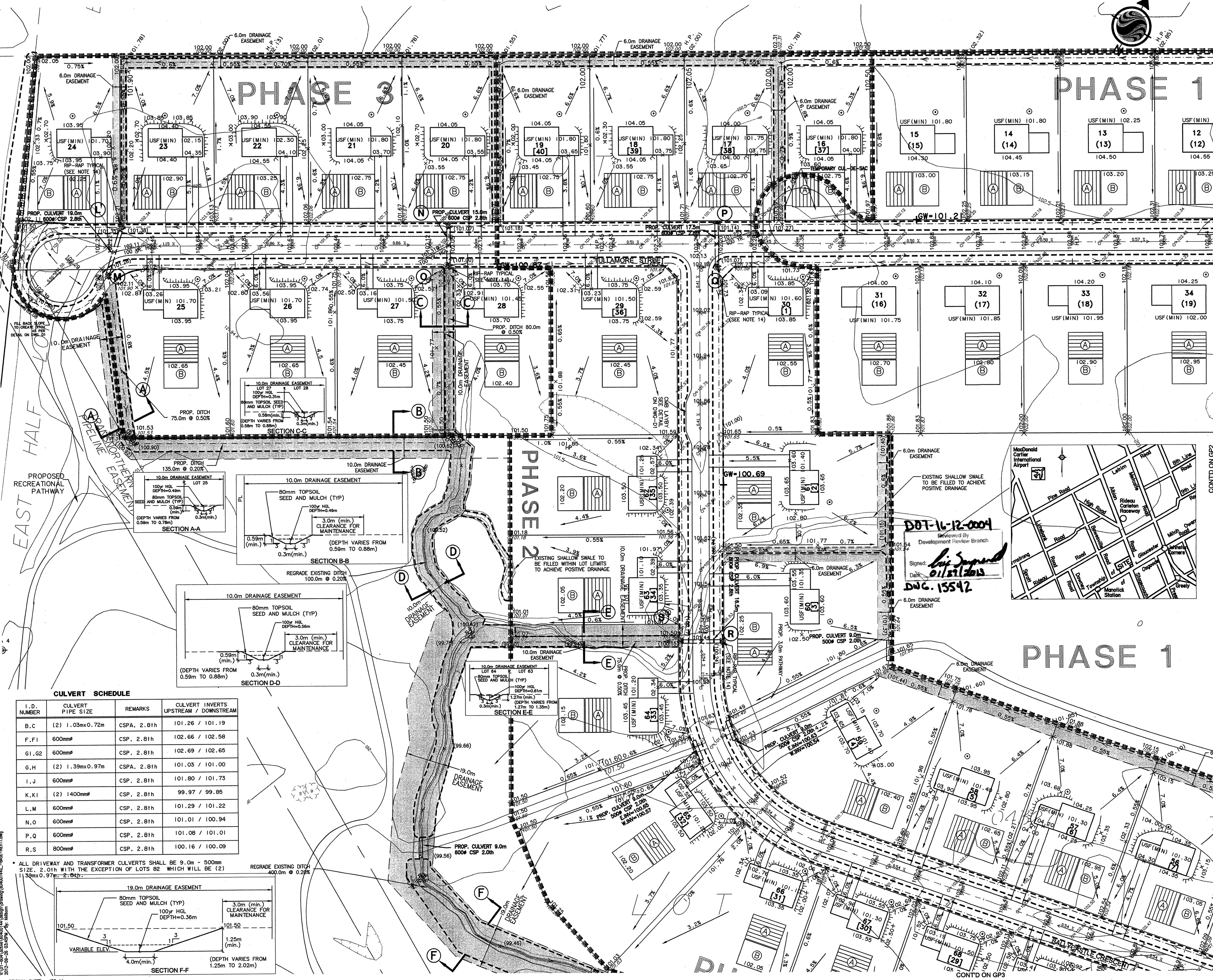


Client/Project
CAVANAGH CONSTRUCTION
EMERALD LINKS SUBDIVISION
Ottawa, Ontario

Title
GRADING PLAN

Project No. 60400144
Scale 0 7.5 22.5 37.5m
1:750

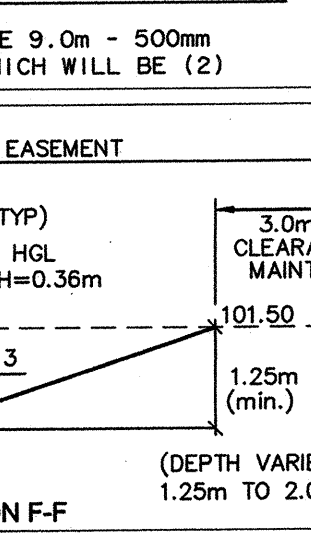
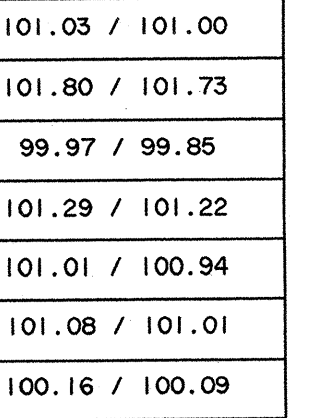
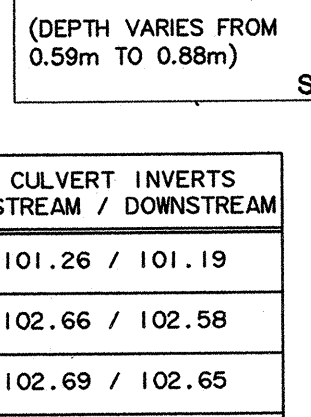
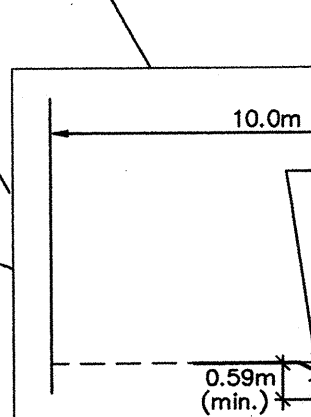
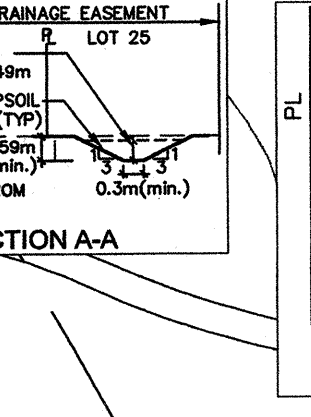
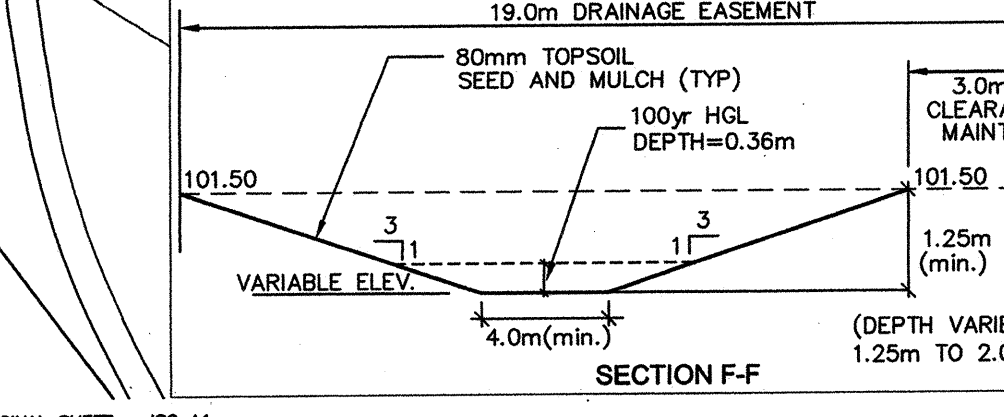
Drawing No. GP-1
Sheet 14 of 24
Revision 9



CULVERT SCHEDULE

I.D. NUMBER	CULVERT PIPE SIZE	REMARKS	CULVERT INVERTS UPSTREAM / DOWNSTREAM
B,C	(2) 1.03m x 0.72m	CSPA, 2.81h	101.26 / 101.19
F, F1	600mm#	CSP, 2.81h	102.66 / 102.58
G1, G2	600mm#	CSP, 2.81h	102.69 / 102.65
G, H	(2) 1.39m x 0.97m	CSPA, 2.81h	101.03 / 101.00
I, J	600mm#	CSP, 2.81h	101.80 / 101.73
K, K1	(2) 1400mm#	CSP, 2.81h	99.97 / 99.85
L, M	600mm#	CSP, 2.81h	101.29 / 101.22
N, O	600mm#	CSP, 2.81h	101.01 / 100.94
P, Q	600mm#	CSP, 2.81h	101.08 / 101.01
R, S	800mm#	CSP, 2.81h	100.16 / 100.09

* ALL DRIVEWAY AND TRANSFORMER CULVERTS SHALL BE 9.0m - 500mm SIZE, 2.01h WITH THE EXCEPTION OF LOTS B2 WHICH WILL BE (2) 1.39m x 0.97m - 2.81h.



DOT-16-12-0004 DWG#15542