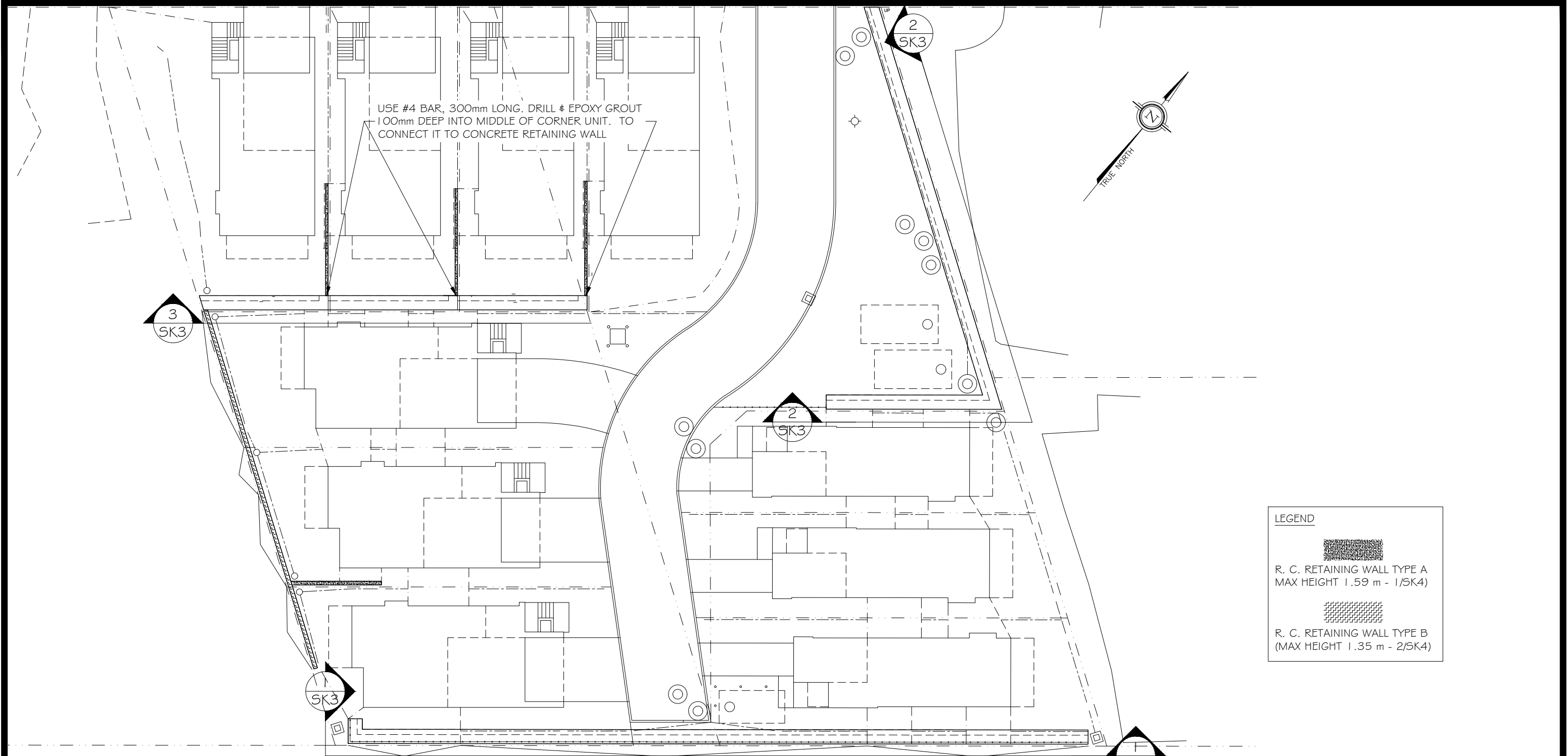




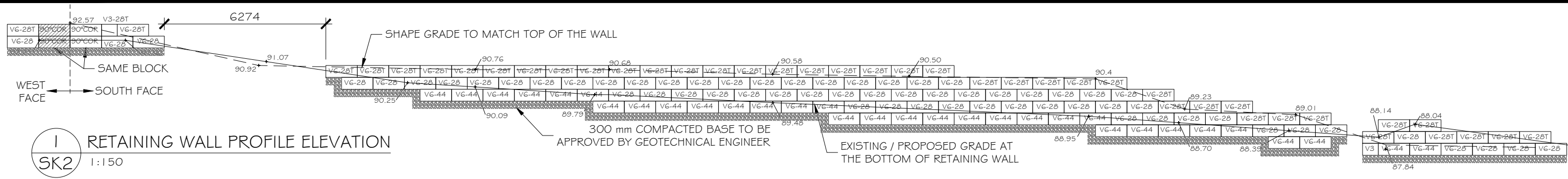
LEGEND

 R. C. RETAINING WALL TYPE A
MAX HEIGHT 1.59 m - 1/5K4

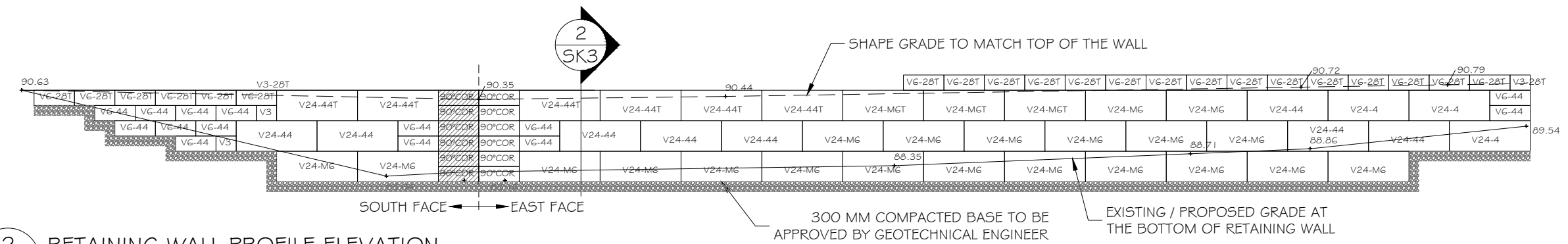
 R. C. RETAINING WALL TYPE B
(MAX HEIGHT 1.35 m - 2/5K4)

1
SKI RETAINING WALL LOCATION PLAN
1:300

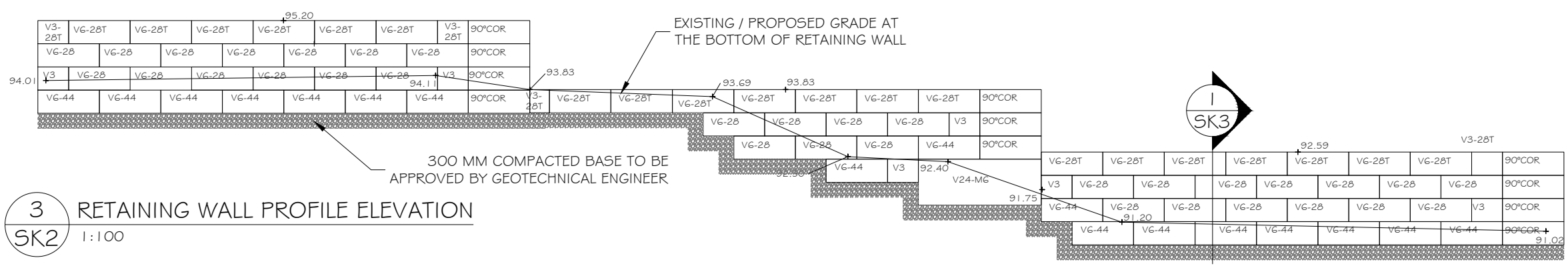
FOR STRUCTURAL ONLY 		 LAMPKIN Structural Services Ltd. 34 - 5330 Canotek Rd. Ottawa, On. K1J 9C4 Phone: (613) 745-6437 Fax: (613) 745-9348		CLIENT NIVO DEVELOPMENTS INC.	
		PROJECT/TITLE 1164-1166 HIGCROFT DRIVE NEW RETAINING WALL			
DATE 27/05/2020 dd/mm/yyyy	PROJECT# 20-14289	DESIGNED BY R.H.	DRAWN BY R.L.	DRAWING# SKI	



1
SK2
RETAINING WALL PROFILE ELEVATION
1:150



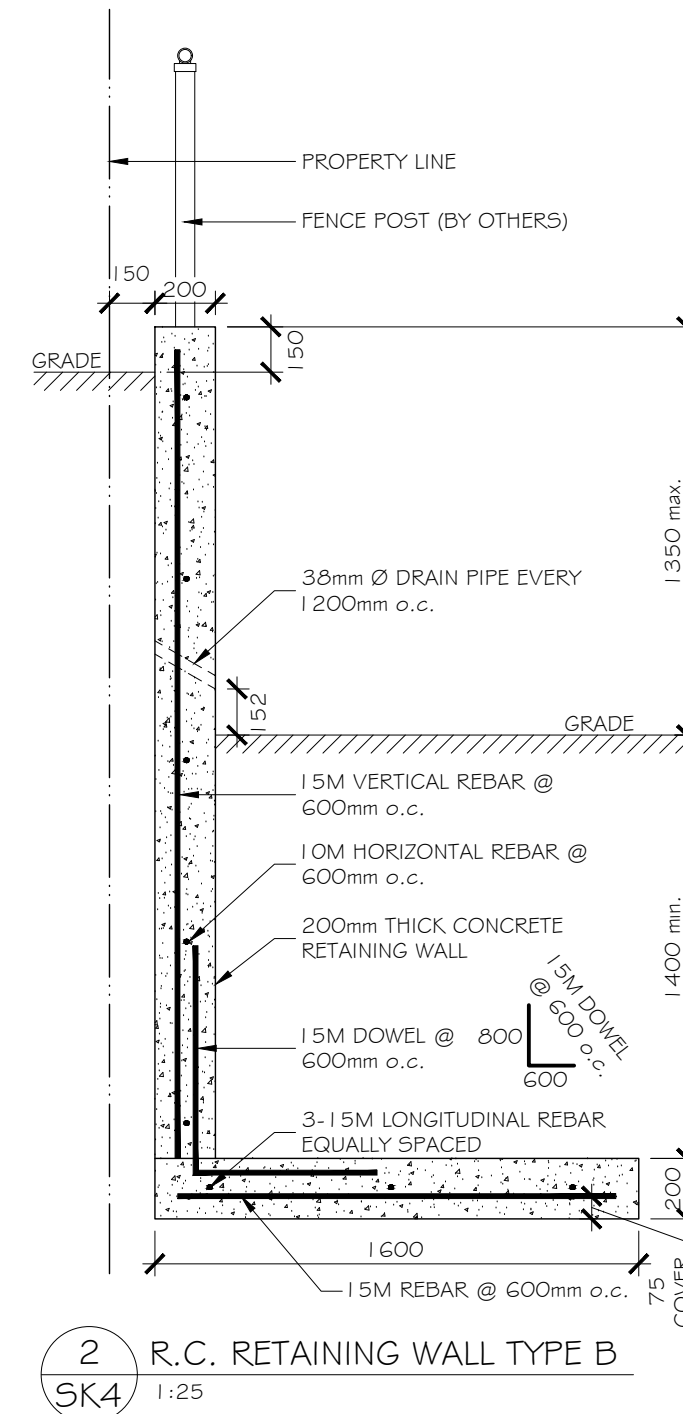
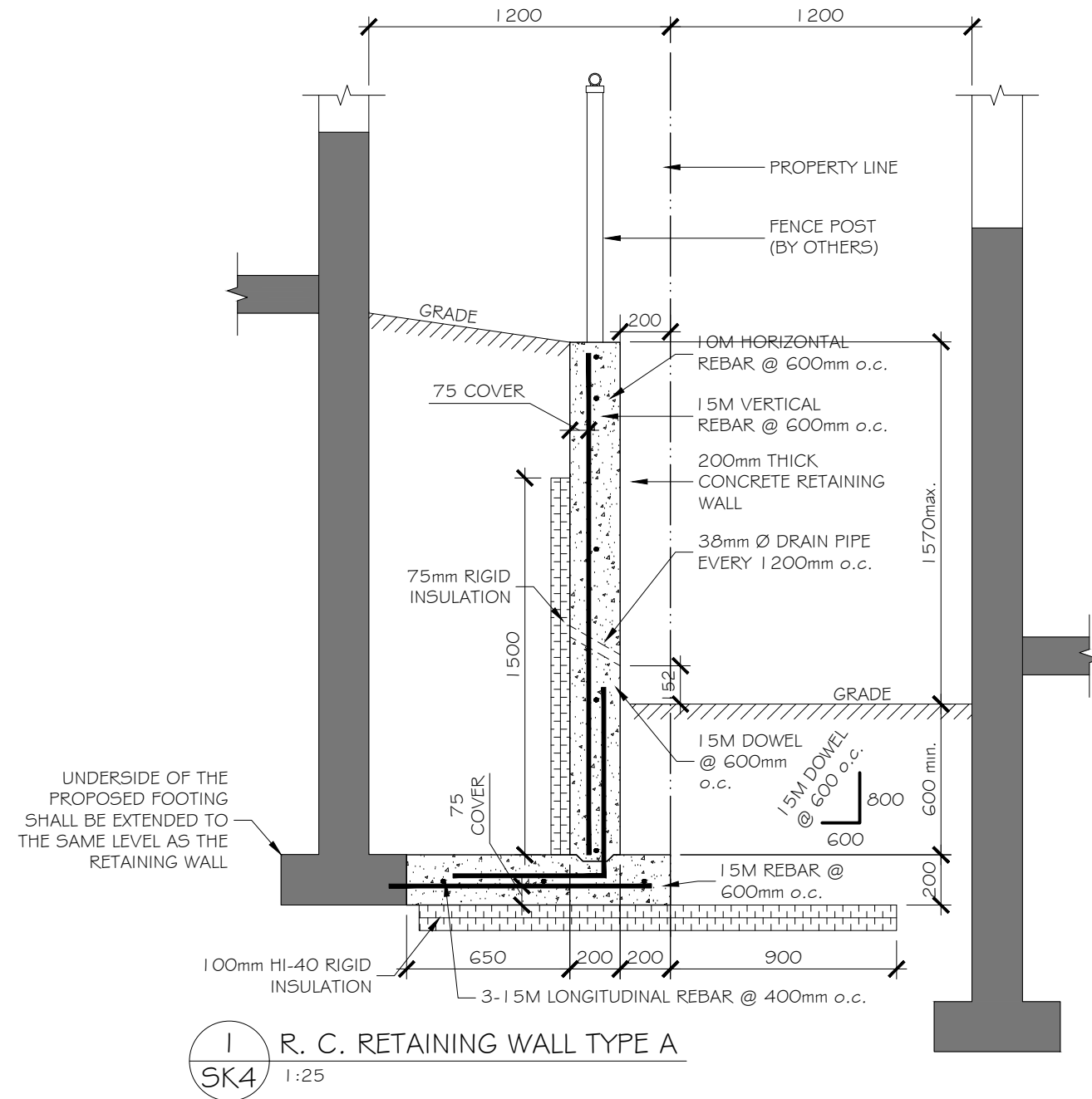
2
SK2
RETAINING WALL PROFILE ELEVATION
1:150



3
SK2
RETAINING WALL PROFILE ELEVATION
1:100

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		PROJECT/TITLE 1164-1166 HIGCROFT DRIVE NEW RETAINING WALL	
		DESIGNED BY R.H.	DRAWN BY R.L.
DATE 27/05/2020 dd/mm/yyyy	PROJECT# 20-14289	DRAWING# SK2	

DRAWING#
SK3



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CLIENT	NIVO DEVELOPMENTS INC.
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PROJECT/TITLE
1164-1166 HIGCROFT DRIVE
NEW RETAINING WALL

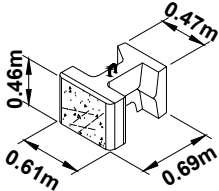
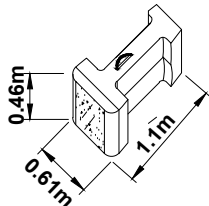
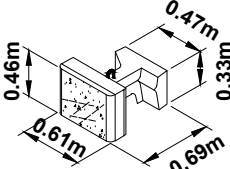
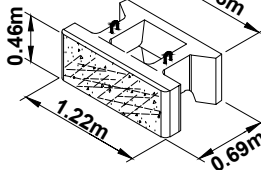
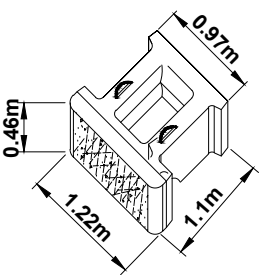
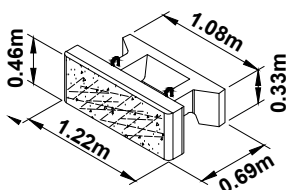
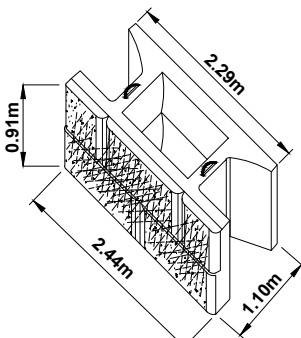
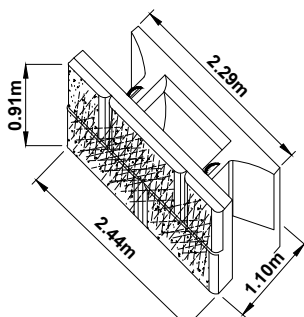
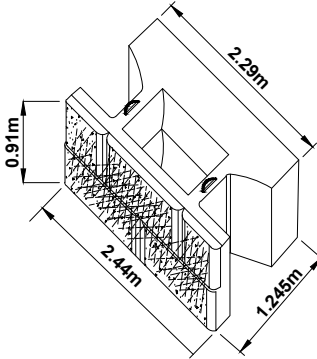
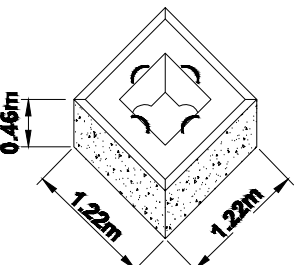
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dd/mm/yyyy

PROJECT#
20-14289

DESIGNED BY
R.H.

DRAWN BY
R.L.

DRAWING#
SK4

STONE STRONG V3-28 UNIT 	STONE STRONG V3-44 UNIT 	STONE STRONG V3-28 TOP UNIT 	STONE STRONG V6-28 UNIT 	STONE STRONG V6-44 UNIT 
STONE STRONG V6-28 TOP UNIT 	STONE STRONG V24-44 UNIT 	STONE STRONG V24-44 TOP UNIT 	STONE STRONG V24-M4 UNIT 	90° CORNER UNIT 

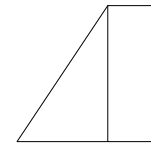
I
SK5

INDIVIDUAL UNITS VIEW
N.T.S.

GENERAL NOTES:

1) ANY DEVIATION FROM CONDITIONS SHOWN ON THESE DRAWINGS, SHALL BE REPORTED TO THE ENGINEER.

2) DESIGN LOADS:



SOIL PRESSURE $K_p=3.0$
 $K_a=.33$
 $=20\text{kN/m}^3$

SURCHARGE (q) = 3.6 kPa

LATERAL LOAD = 0.75 kN/m
ON FENCE (LL)

FACTOR OF SAFETY: 1.5

SEISMIC:
PEAK GROUND ACCELERATION = 0.28g
SITE CLASS D

3) MATERIALS:

- A) CONCRETE STRENGTH AT 28 DAYS TO BE 28 MPa w/ 5% TO 8% AIR ENTRAINMENT.
B) REINFORCING STEEL TO BE DEFORMED TYPE $F_y = 400\text{ MPa}$
C) UNIT FILL SHALL BE CLEAN COURSE GRANULAR MATERIAL. UNIT FILL SHALL FILL CAVITIES WITHIN AND BETWEEN THE UNITS

D) STONE STRING (S. S.) BLOCKS AS SHOWN IN SECTION DETAILS.

4) ALL WORK TO BE CONDUCTED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE (2012).

5) ALL CONCRETE WORK TO BE CONDUCTED IN ACCORDANCE WITH CSA A23.3-19.

6) SOIL BEARING TO BE 90kPa AS PER GEOTECHNICAL REPORT DATED FEB. 22, 2019 BY LRL ASSOCIATES LTD.

7) SITE REVIEW OF STRUCTURAL ITEMS, AS NOTED ON THESE DRAWINGS, SHALL BE COORDINATED WITH LAMPKIN STRUCTURAL SERVICES LTD. THROUGH THE DURATION OF THE PROJECT.

8) PROVIDE 75mm CONCRETE COVER FOR REBAR

9) min. LAP LENGTH TO BE 800mm FOR 15M & 500mm FOR 10M.

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NIVO DEVELOPMENTS INC.

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NEW RETAINING WALL

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DRAWING#
SK5