

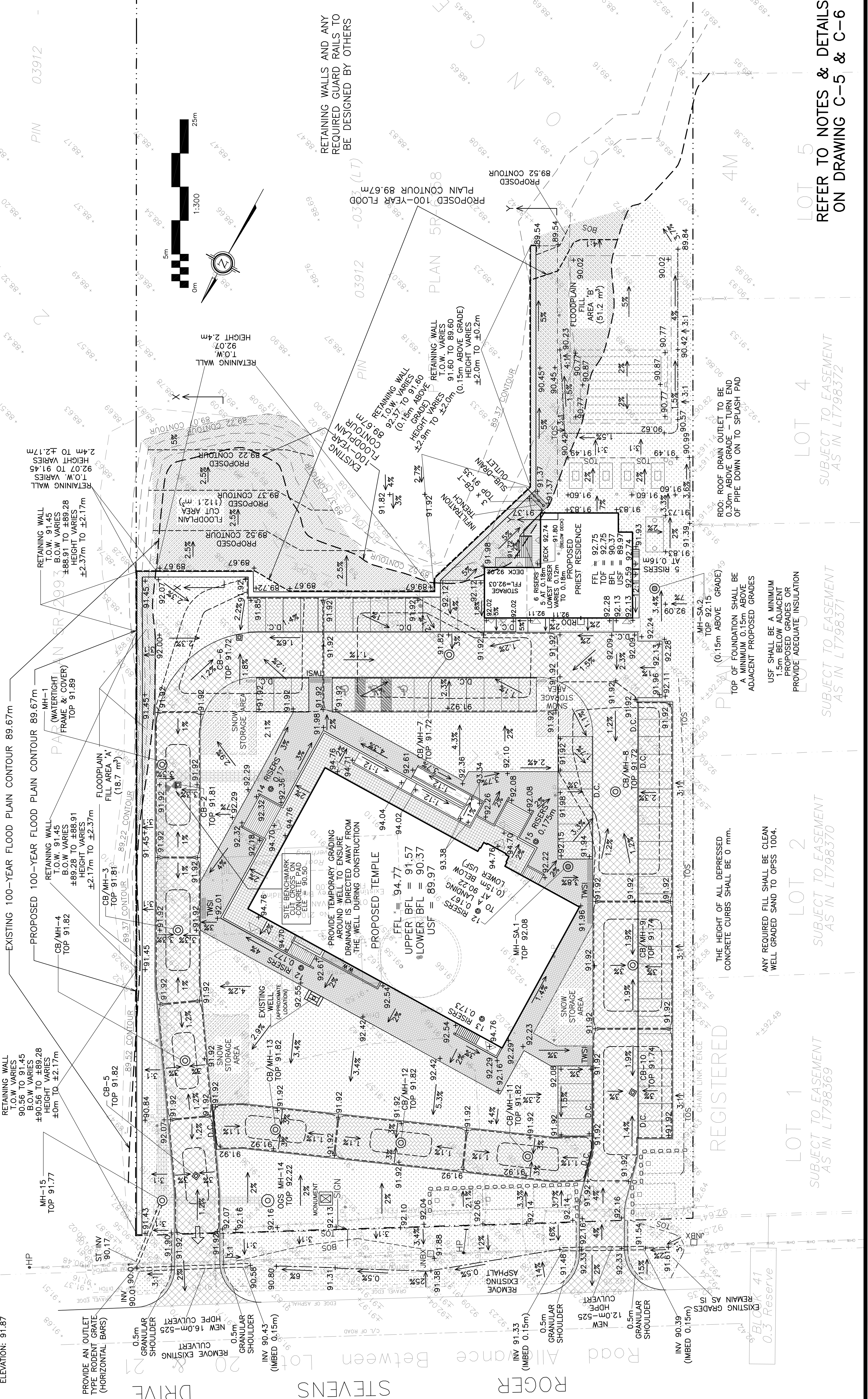
[illegible]

The figure consists of three diagrams illustrating floodplain cross-sections and volume calculation.

Section Y-Y: This diagram shows a cross-section of a floodplain. On the left, a "PROPOSED BUILDING" is shown with a "PROPOSED 100-YEAR FLOOD PLAIN CONTOUR 89.67m". To its right, the "EXISTING 100-YEAR FLOOD PLAIN CONTOUR 89.67m" is indicated. The ground surface is labeled "PROPOSED GRADES" and "EXISTING GRADES". A "FLOODPLAIN FILL AREA 'B'" is shown on the right, with a "USF = 89.97m" dimension. The section is labeled "SECTION Y-Y".

Section X-X: This diagram shows a cross-section of a floodplain. On the left, a "PROPOSED RETAINING WALL" is shown with a "PROPOSED 100-YEAR FLOOD PLAIN CONTOUR 89.67m". To its right, the "EXISTING 100-YEAR FLOOD PLAIN CONTOUR 89.67m" is indicated. The ground surface is labeled "PROPOSED GRADES" and "EXISTING GRADES". A "FLOODPLAIN CUT AREA" is shown on the right. The section is labeled "SECTION X-X".

Volume Calculation: This diagram shows the formula for calculating the volume of floodplain fill or cut. The formula is: $V = D \times (A_T + A_B) + (A_T \times A_B)^{0.5} \times 3$. Below the formula, the variables are defined: V = VOLUME, D = DEPTH (CONTOUR INTERVAL), A_T = TOP AREA, and A_B = BOTTOM AREA.

[illegible]

D. B. GRAY ENGINEERING INC.
Stormwater Management • Grading & Drainage • Storm & Sanitary Sewers • Hydrology

700 Long Point Circle
 Ottawa, Ontario

613-425-8044
 d.gray@dbgrayengineering.com

Project

PROPOSED HINDU TEMPLE
2104 ROGER STEVENS DR
NORTH GOWER, ONTARIO

GRADING PLAN

Drawing Title

Drawn	D.B.G
H. Scale	1:300
V. Scale	
Date	JUL 11-24
Job No.	20029