

OVERLAND SPILLWAY SCREEN WALL - Tributary Area = 8.10ha

Q_{over}

- = CAIN
- = (0.90)(8.10ha)(200.8mm/hr)/2.778
- = 4,066.5 l/s

Q_{ovr}

- = CAIN
- = (0.90)(8.10ha)((14.2mm/hr)/2.778
- = 2,312.7 l/s

O_{NORMING}

- = $(Q_{over} - Q_{ovr})^2$
- = $(4,066.5 \text{ l/s} - 2,312.7 \text{ l/s})^2$
- = 1,753.8 l/s

O_{VER}

- = $C_u W^{1/2}$
- = $(1.7)(20.0m) \cdot WBC(0.20m)^{1/2}$
- = 3,041.0 l/s

The diagram shows a cross-section of a spillway wall with a crest width of 28.70m. The wall height is 4.50m. On either side of the wall, there is a 200mm depth curb cut. The total width of the curb cut area is 20.00m. The diagram also shows the location of Block B and Block A relative to the wall.

28.70m WIDE SCREEN WALL

4.50m HIGH SCREEN WALL

BLOC B

F.F.E.

94.90

94.90

200mm DEPTH - 20.00m WIDE SCREEN WALL CURB CUT

94.40

94.20

94.40

94.20

BLOC A

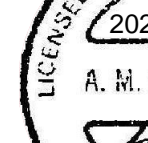
F.F.E.


94.90

94.90

OVERLAND SPILLWAY SCREEN WALL CURB CUT DETAIL

SCALE: 1:100

				
No.	Date	By	REVISIONS	
11	DEC.13/23	J.M.N.	ISSUED FOR SIXTH SUBMISSION	
10	AUG.30/23	J.M.N.	ISSUED FOR FIFTH SUBMISSION	
9	JUNE.6/23	J.M.N.	ISSUED FOR COORDINATION	
8	JAN.17/22	J.M.N.	ISSUED FOR FOURTH SUBMISSION	
7	JAN.02/22	J.M.N.	ISSUED FOR COORDINATION	
6	NOV.22/21	J.M.N.	ISSUED FOR THIRD SUBMISSION	
5	NOV.09/21	J.M.N.	ISSUED FOR COORDINATION	



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TOWN OF OAKVILLE
REGION OF HALTON

GRADING
PLAN - SOUTH

SCALE: 1:500	DATE: MAY 2019	PROJ. No. 1870
DRAWN: A.D.D.	CHK'D: A.M.C.	PLAN No. G-
DESIGNED: A.M.C.	SHEET 2 OF 2	

FILENAME: O:\1870\1870 - MAST.dwg
PLOTDATE: Dec 13, 2023 - 3:49pm