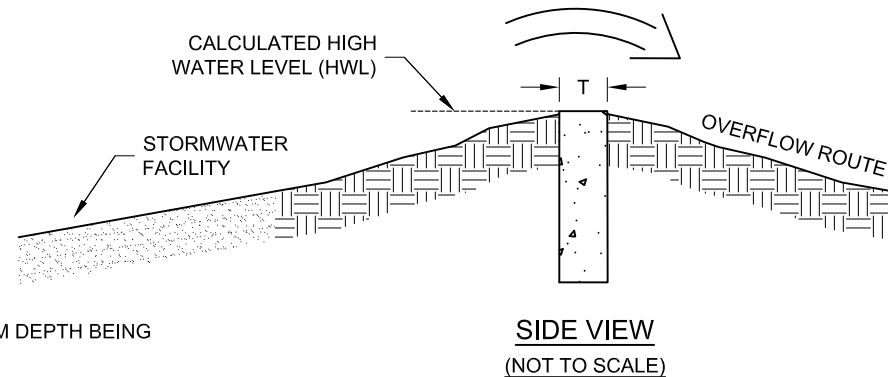
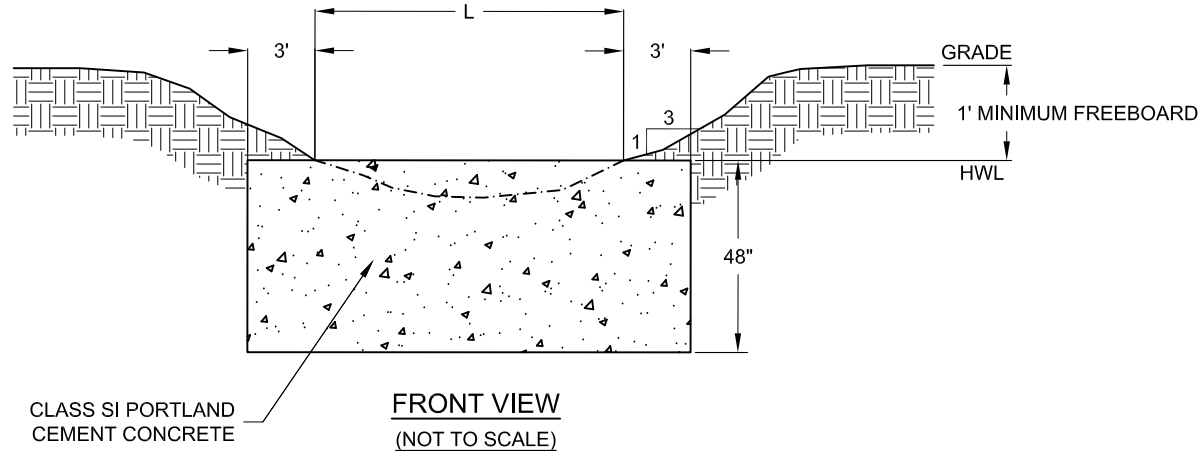


OVERFLOW WEIR SPECIFICATION



NOTE:

- THE MINIMUM LENGTH, " L ", SHALL BE FIVE FEET (5')
- " L " SHALL BE SIZED TO PASS THE 100 YEAR RAINFALL EVENT WITH THE MAXIMUM DEPTH BEING NO GREATER THAN SIX INCHES (6")
- THE MINIMUM THICKNESS, " T ", SHALL BE SIX INCHES (6").
- THE MINIMUM TOTAL DEPTH OF FREE BOARD IS ONE FOOT (1').
- A SMOOTH FINISH (1" CHAMFER MINIMUM) IS REQUIRED FOR ALL EXPOSED EDGES.
- BACKFILL MATERIAL IS TO BE INORGANIC COHESIVE SOIL, COMPACTED IN MAXIMUM 12" (LOOSE) LIFTS TO AT LEAST 90% MODIFIED PROCTOR DENSITY (ASTM D-1557)

FOR DESIGN OF A RECTANGULAR WEIR

$$Q = (C)(L)(H^{3/2})$$

WHERE Q = RELEASE RATE ; C = 3.0 ; L = WEIR OPENING LENGTH ; H = .5' MAXIMUM HEAD

USE COMPARABLE RELATIONSHIPS FOR DESIGN OF OVERFLOW STRUCTURES.

CITY OF WHEATON	
DESIGN DETAILS AND STANDARDS	
FIGURE # 27	
DATE: 03-15-16	FILE NAME: Overflow Wier.dwg