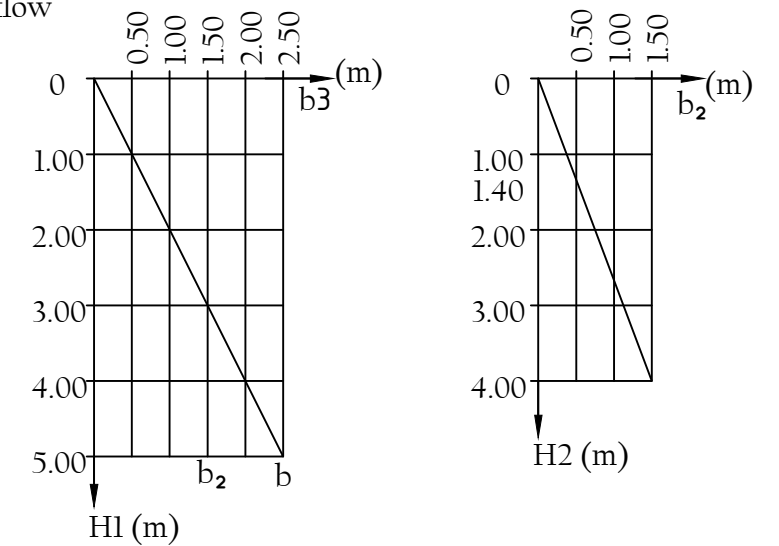
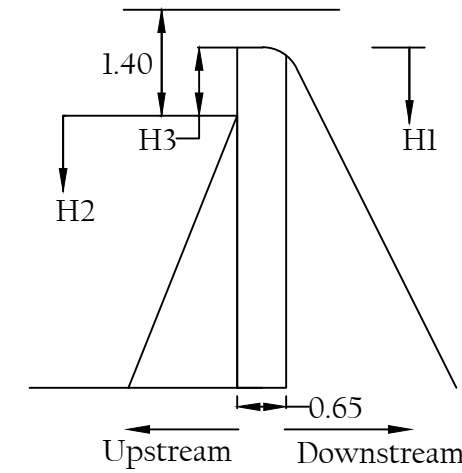
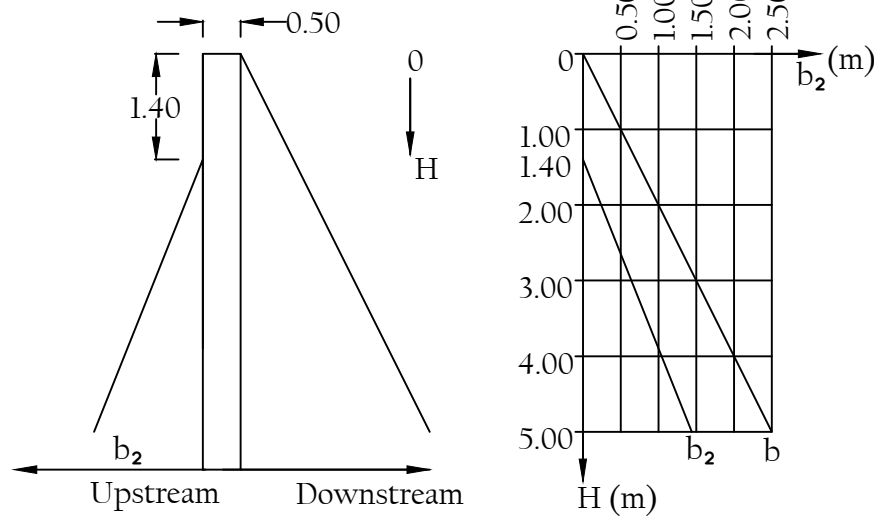


STANDARD CROSS SECTIONS

SCALE 1 : 100

D = depth of overflow plus safety

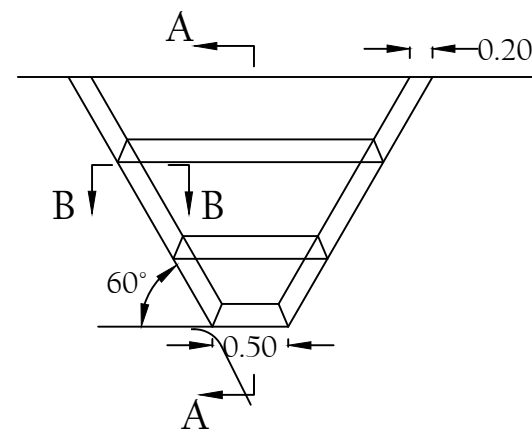
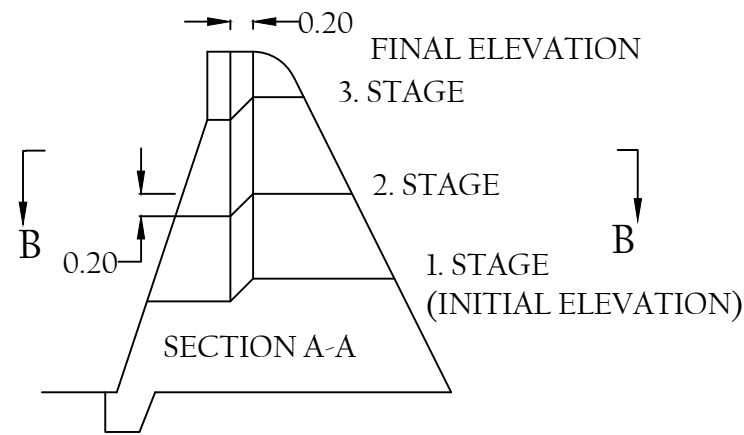
HEIGHT OF WINGWALL



DESIGN PROCEDURE

1. Storage requirements - H1
2. Q50 and length of overflow section - Depth of overflow d
3. Depth of overflow plus safety
 $D = 1.5d + 0.10m$
4. Height of wing wall
 $H = H1 + D$
5. $H2 = H - 1.40m$
(1.40m fixed by stability calculations)
6. $H = 1.40m - D$
7. Base width from graphs

NOTE: max. D = 1.40m

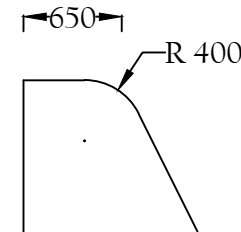
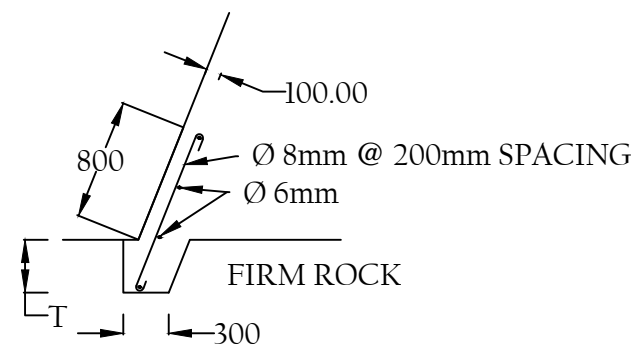


H = 3.80m no overflow
INCLINED LUMBER SHUTTERING

NUMBER AND ELEVATIONS OF REQUIRED CONSTRUCTION STAGES HAVE TO BE ESTIMATED ACCORDING TO SEDIMENT TRANSPORT OF RESPECTIVE RIVER

DETAIL OF FOUNDATION

SCALE 1 : 50



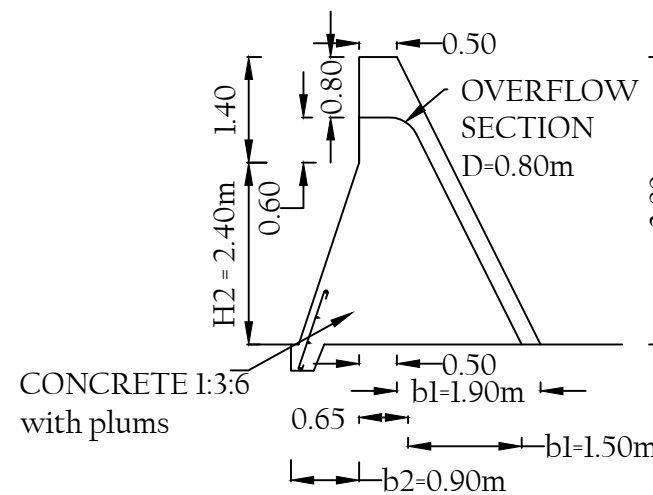
SECTIONS WITH OVERFLOW ONLY

CREST DETAIL

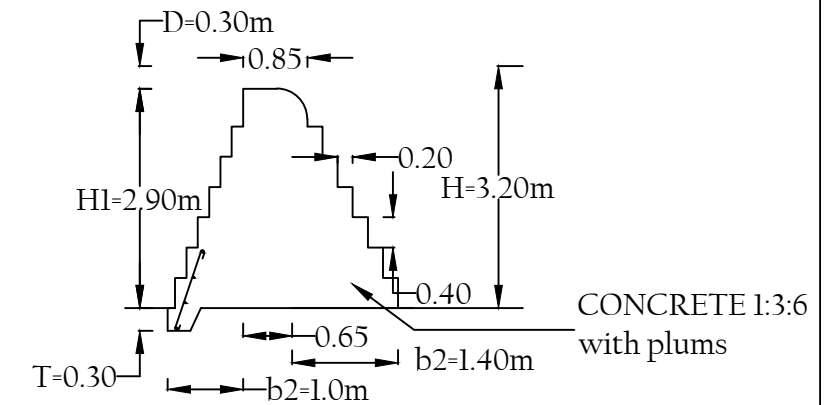
SCALE 1 : 50

| | | | | | |
|--------|----|----|----|----|----|
| H (m) | 1 | 2 | 3 | 4 | 5 |
| T (cm) | 20 | 25 | 30 | 35 | 40 |

THE DEPTH OF THE TRENCH MIGHT BE ALTERED ACCORDING TO THE ROCK ENCOUNTERED



H = 3.20m D = 0.30m. overflow
VERTICAL LUMBER SHUTTERING



| | | | |
|--------------|--|----------------|--|
| Client: | | Location: | |
| Surveyed By: | | File Name: | Scale: AS SHOWN |
| Drawn By: | | Project: | |
| Designed By: | | Drawing Title: | STANDARD CROSS SECTIONS CONCRETE SAND STORAGE DAMS |
| Checked By: | | Drawing No: | TYPE DRAWING IX |
| Approved By: | | Rev: | Sheet: 13/17 |