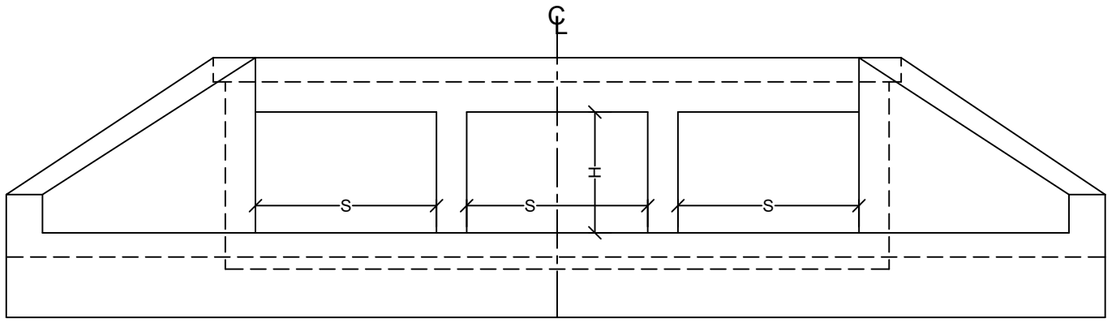
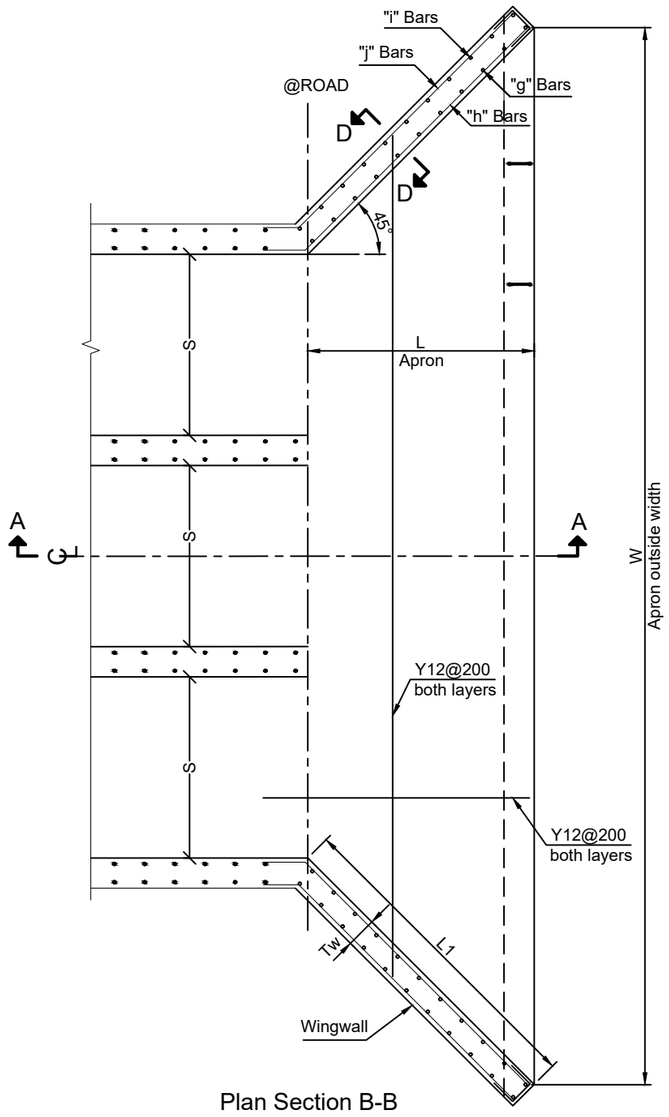
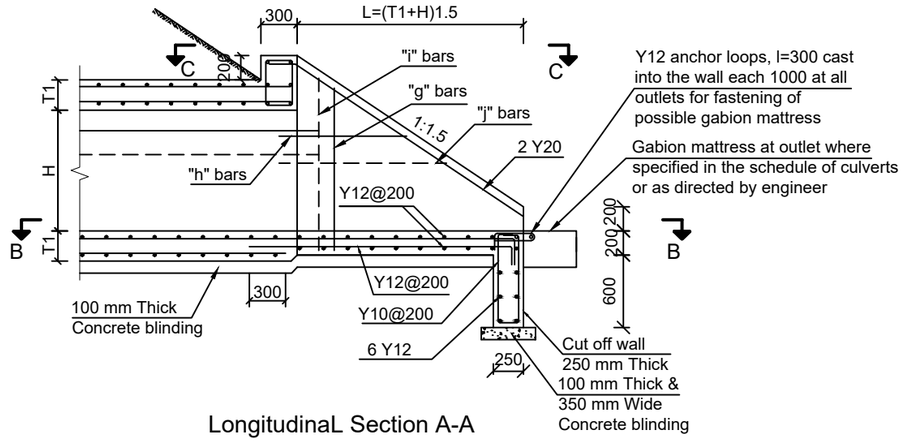


Elevation

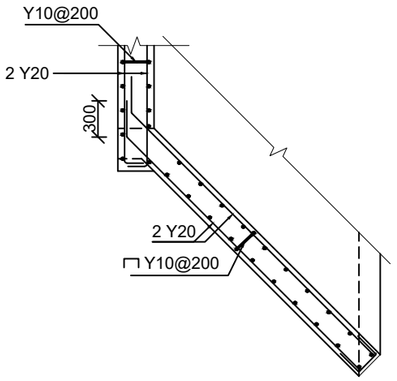
NOTES:
1. Dimensions: All dimensions are in millimeters.
2. Materials: Concrete Grade - C25/30
   Blinding Concrete - C12/15
   Reinforced ribbed Bars - Specified Characteristic value of minimum yield strength ≥ 500 N/mm^2
3. Cover to reinforcement
   Earth face 75mm
   Non earth face 40mm
4. External edges to be chamfered 20x20 mm.



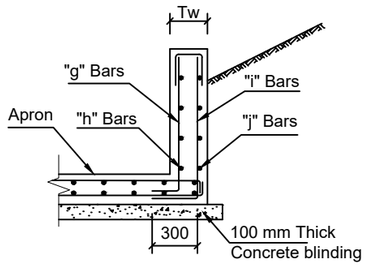
Plan Section B-B
ORTHOGONAL CROSSING SHOWN



LongitudinaL Section A-A



Plan Section C-C
Head beam and top of wingwall



Section D-D

APRON, CUTOFF WALL AND WING WALL DETAILS (TRIPLE CELL BOX)

SPAN, S	m	4.00			5.00			
BOX HEIGHT, H	m	1.50	3.00	4.00	1.50	3.00	4.00	5.00
MAX FILL ON TOP SLAB	m	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
BOX SLAB THICKNESS, T1	m	0.50	0.50	0.50	0.55	0.55	0.55	0.55
DIAPHRAMS WALL, T2	m	0.25	0.25	0.25	0.25	0.25	0.25	0.25
WING WALL THICKNESS, Tw	m	0.25	0.30	0.40	0.25	0.30	0.40	0.50
APRON LENGTH, L	m	3.00	5.25	6.75	3.08	5.33	6.83	8.33
APRON OUTSIDE WIDTH, W	m	18.50	23.00	26.00	21.65	20.15	29.15	32.15
WING WALL LENGTH, L1	m	4.24	7.42	9.55	4.35	7.53	9.65	11.77
"g" BARS		T12 @200	T12 @200	T12 @200	T12 @200	T12 @200	T12 @200	T12 @200
"h" BARS		T12 @200	T12 @200	T12 @200	T12 @200	T12 @200	T12 @200	T12 @200
"i" BARS		T12 @200	T16 @200	T16 @180	T12 @200	T16 @200	T16 @180	T16 @150
"j" BARS		T12 @200	T16 @200	T16 @180	T12 @200	T16 @200	T16 @180	T16 @150

NO.	AMENDMENTS	DATE

CLIENT:
REPUBLIC OF KENYA
MINISTRY OF ROADS AND TRANSPORT
P.O. BOX 30260-00100
NAIROBI

STANDARD DRAINAGE DRAWINGS

TYPICAL TRIPLE CELL RCC BOX CULVERTS WINGWALL DETAILS

DRAWING NO.: RDM/4/1/2/06

Date: Jan. 2024 | Scale: N.T.S. | Sheet No.: 1/1