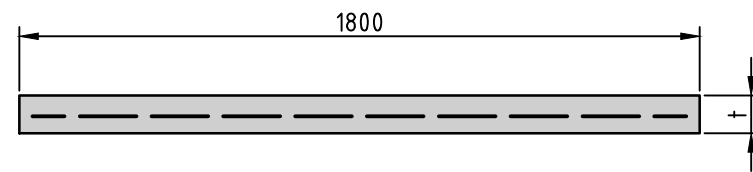
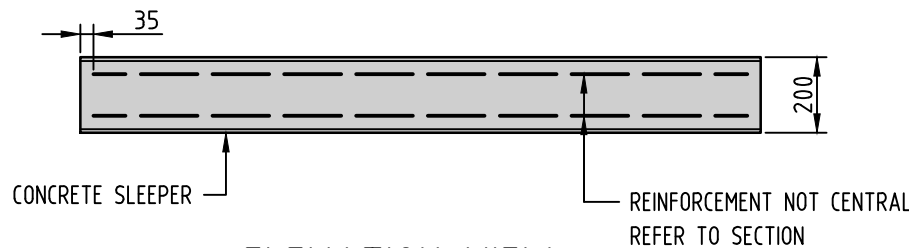


SECTION VIEW
SCALE 1:10

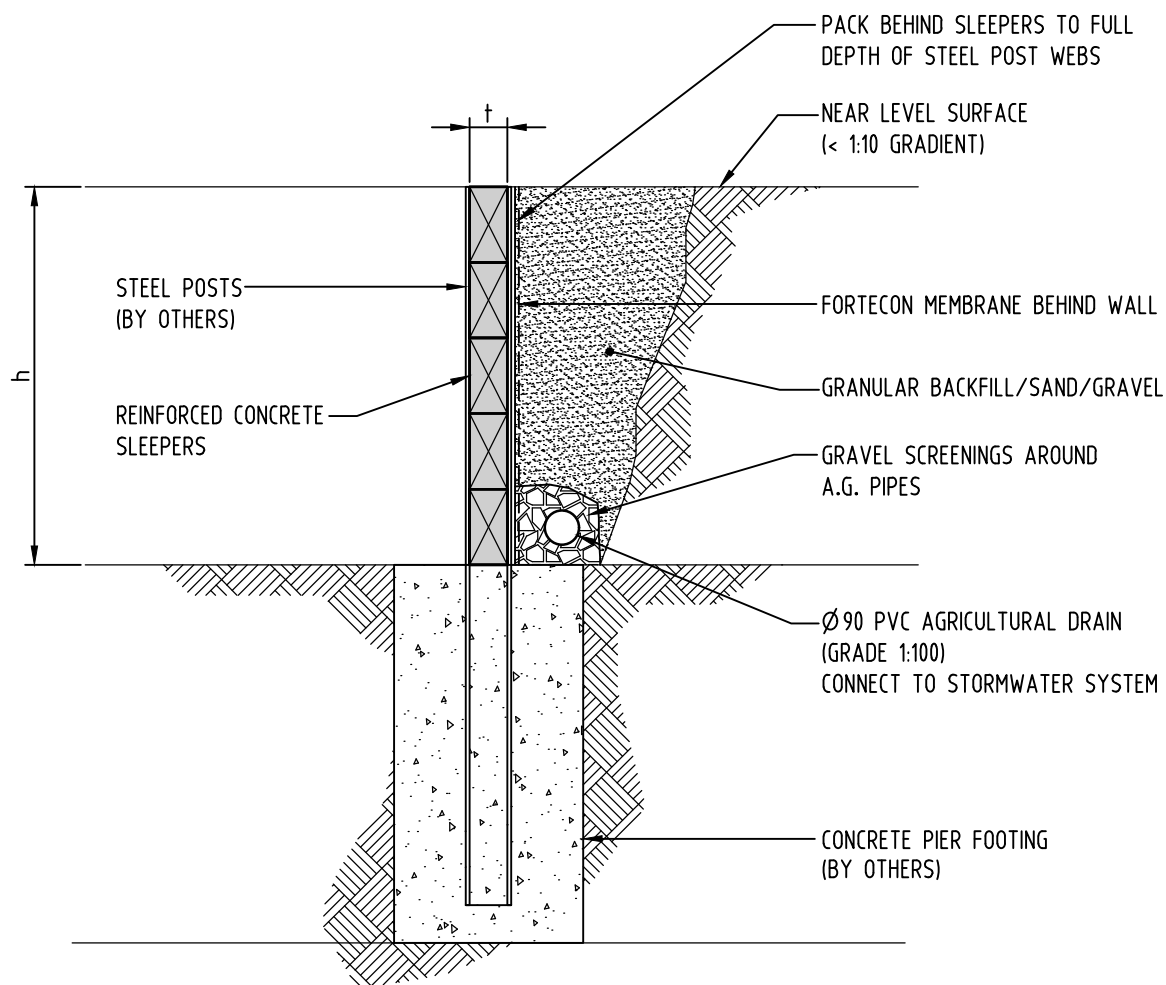
NOTE:
PATTERN FACE SHALL NOT ENCROACH INTO SLEEPER MIN. THICKNESS 't'



PLAN VIEW
SCALE 1:20



ELEVATION VIEW
SCALE 1:20



TYPICAL SECTION
SCALE 1:20

**CONSTRUCTION
ISSUE**

SPECIFICATIONS

- SLEEPER CONCRETE GRADE TO BE S50. RIGID FORMWORK & INTENSE CONCRETE COMPACTION IN ACCORDANCE WITH AS 3600 IS REQUIRED FOR CASTING EACH SLEEPER.
- HAND COMPACTING EQUIPMENT ONLY IS PERMITTED TO BE USED ADJACENT SLEEPERS (WITHIN DISTANCE = 0.75H)
- THESE SLEEPER SPECIFICATIONS ARE ONLY SUITABLE FOR USE WITH RETAINING WALLS WHICH SATISFY THE FOLLOWING CONDITIONS/LIMITATIONS.
 - THE WALL IS NOT SUBJECT TO HEAVY SURCHARGE LOADS. FOR EXAMPLE, NEARBY EXISTING RETAINING WALLS, STRUCTURES OR BUILDINGS WITHIN A DISTANCE EQUAL TO TWO TIMES THE WALL HEIGHT.
 - THE FINAL SURFACE GRADIENT ABOVE THE WALL IS LEVEL OR ONLY SLIGHT - ie. LESS THAN 1 VERTICAL RISE IN 10 HORIZONTAL.
 - THE WALL BACKFILL IS FREE DRAINING, CONSISTING OF SAND &/OR GRAVEL.
 - ALL SUB-SURFACE WATER IS DRAINED BY MEANS OF AN AGRICULTURAL DRAIN, OR OTHER SUITABLE METHOD.
 - SLEEPERS ARE HANDLED WITH DUE CARE DURING TRANSPORTATION & ERECTION.
- SLEEPER MINIMUM END BEARING LENGTH SHALL NOT BE LESS THAN 25mm EACH END.
- FOR DETERMINATION OF THE APPROPRIATE SLEEPER TYPE, THE HEIGHT IS MEASURED FROM THE TOP OF THE WALL TO THE APPLICABLE SLEEPER. A WALL FACE CROSS SECTION MAY CONSIST OF VARIOUS SLEEPER TYPES.

ASSUMED SOIL PROPERTIES

γ_s = 18kN/m³
 ϕ = 30°

ASSUMED MAX. SURCHARGE

q = 5kPa

SLEEPER LENGTH (l) = 1800mm

WALL TYPE	WALL HEIGHT (h)	THICKNESS t (mm)	REINFORCEMENT
1.8m STANDARD	≤ 1.6	75	2-N10
1.8m HEAVY DUTY	1.6m < h ≤ 3.0m	100	2-N10

REV.	DATE	DESCRIPTION	DRAFT	ENG.	CHK.
0	09.02.21	ISSUED FOR CONSTRUCTION	EB	HAB	CL

WGA
WALLBRIDGE GILBERT
AZTEC

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CONCRETE SLEEPERS
OUTBACK SLEEPERS AUSTRALIA P/L

1800mm LONG SLEEPER

A3 DRAWING NUMBER
Design Drawn Job Number Sheet No. Rev.
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