

SPECIFICATIONS

- SLEEPER CONCRETE GRADE TO BE N60. 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 LESS THAN 1 VERTICAL RISE IN 10 HORIZONTAL.
 - 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

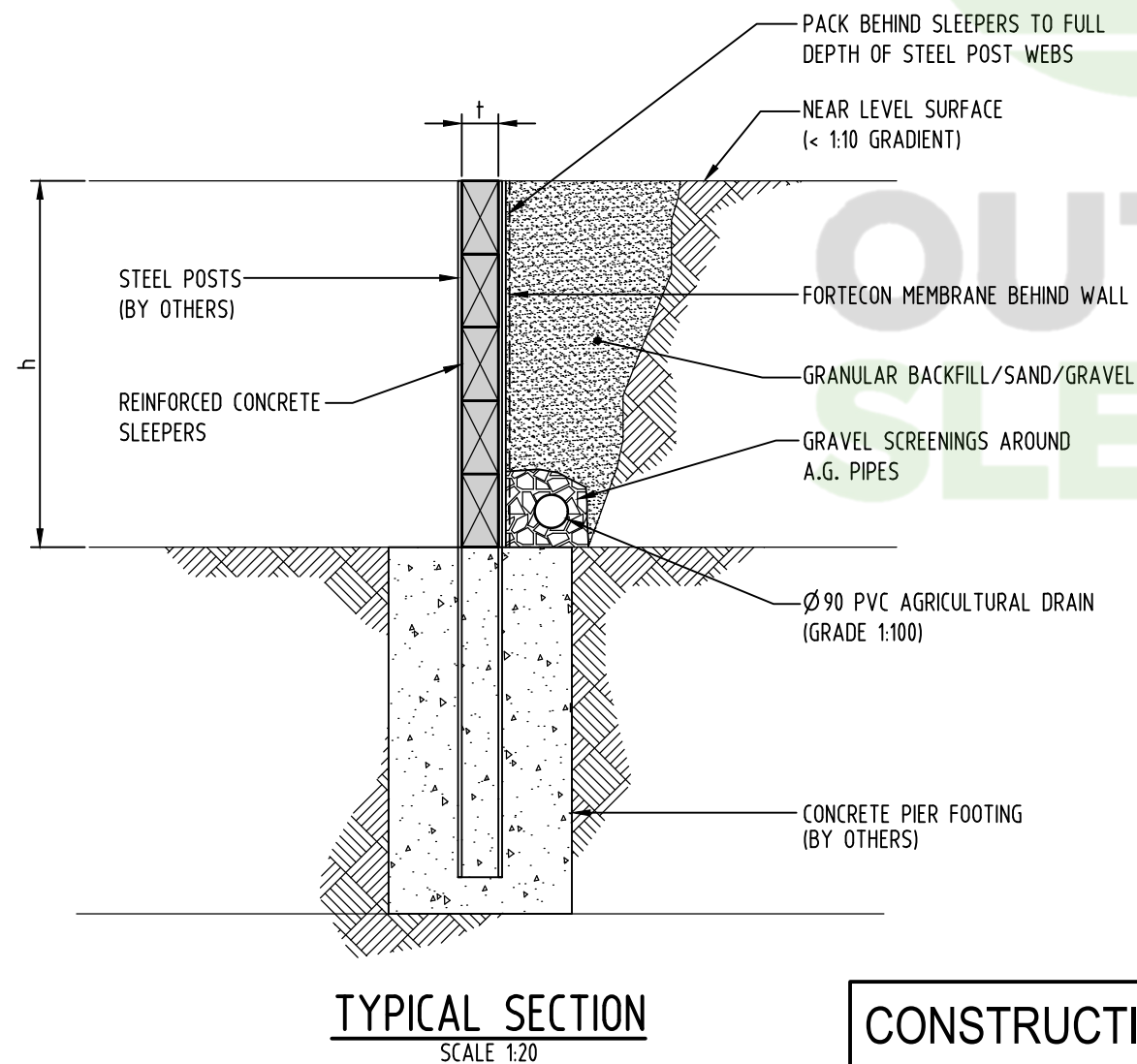
γ_s	=	18kN/m ³
ϕ	=	30°

ASSUMED MAX. SURCHARGE

Q	=	5kPa
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SLEEPER LENGTH (l) = 1800mm

WALL TYPE	WALL HEIGHT (h)	THICKNESS t (mm)	REINFORCEMENT
1.8m STD	≤ 2.0m	75	2-N10
1.8m HEAVY DUTY	< 3.8m	100	2-N10



**CONSTRUCTION
ISSUE**

REV.	DATE	DESCRIPTION	DRAFT	ENG.	CHK.
0	08.09.23	CONSTRUCTION ISSUE	AD	HB	CL
1	13.09.23	CONSTRUCTION ISSUE	AD	HB	CL
2	15.09.23	CONSTRUCTION ISSUE	AD	HB	CL
3	20.10.23	CONSTRUCTION ISSUE	JC	HB	CL

WGA
WALLROSE GILBERT
AZTEC

60 Wyatt Street, Adelaide
South Australia 5000
Telephone 08 8223 7433
Email adelaide@wga.com.au

CONCRETE SLEEPERS
OUTBACK SLEEPERS AUSTRALIA P/L

1800mm LONG SLEEPER

A3

Design
C.LINDNER

Drawn
A.DOROMSON

DRAWING NUMBER
Job Number Sheet No. Rev.
WAD150933 S07 3