

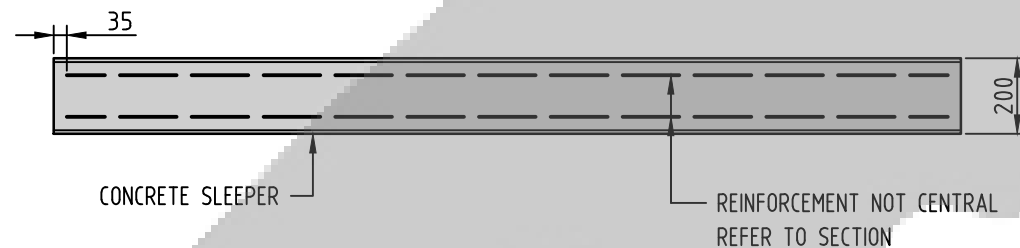
PLAN VIEW

SCALE 1:20

SECTION VIEW

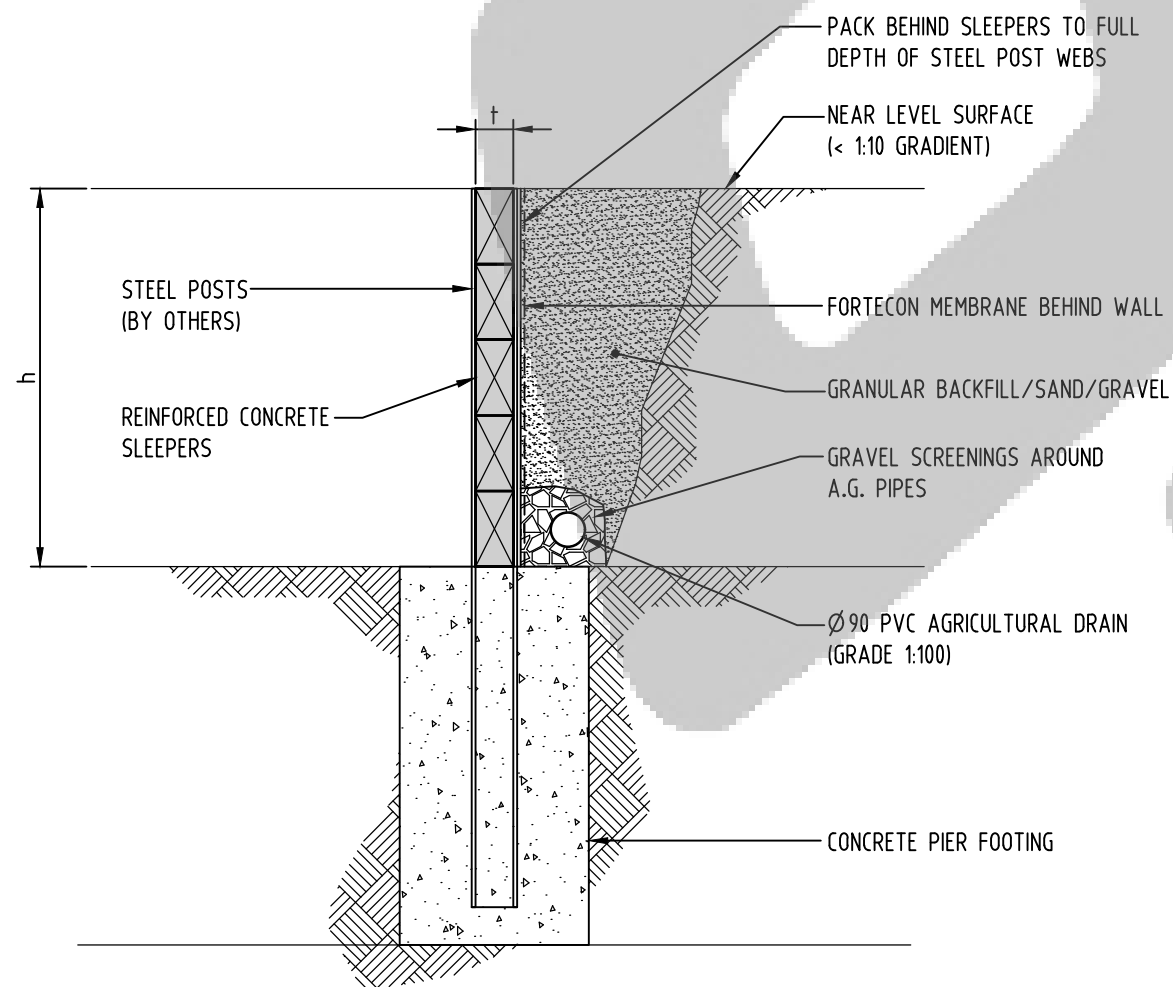
SCALE 1:10

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



ELEVATION VIEW

SCALE 1:20



TYPICAL SECTION

SCALE 1:20

**CONSTRUCTION
ISSUE**

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/m³
 ϕ = 30°

ASSUMED MAX. SURCHARGE

Q = 5kPa

SLEEPER LENGTH (l) = 2000mm

WALL TYPE	WALL HEIGHT (h)	THICKNESS t (mm)	REINFORCEMENT
2m STD (GREEN)	≤ 2.0m	75	2-N10
2m (HD) HEAVY DUTY (YELLOW)	2.0m < h ≤ 3.0m	100	2-N10
2m (EHD) EXTRA HEAVY DUTY (RED)	3.0m < h ≤ 4.0m	110	2-N10

NOTE:

- PANELS & SLEEPERS MAY BE USED TOGETHER. FOR PANEL TYPES REFER DRAWING WAD150933-S10.

REV.	DATE	DESCRIPTION	DRAFT	ENG.	CHK.
Ø	16.11.15	CONSTRUCTION ISSUE	MJS	NM	CL
1	17.02.16	CONSTRUCTION REISSUE	MJS	NM	CL
2	16.06.17	CONSTRUCTION REISSUE	MJS	NM	CL
3	10.05.19	CONSTRUCTION REISSUE	AA	RS	CL
4	24.05.19	CONSTRUCTION REISSUE	AA	RS	CL

WGA
WALLOOSE 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

2000mm LONG SLEEPER

A3
Design C.LINDNER Drawn M.SMITH
Job Number
DRAWING NUMBER
Sheet No. Rev.
WAD150933 S01 4