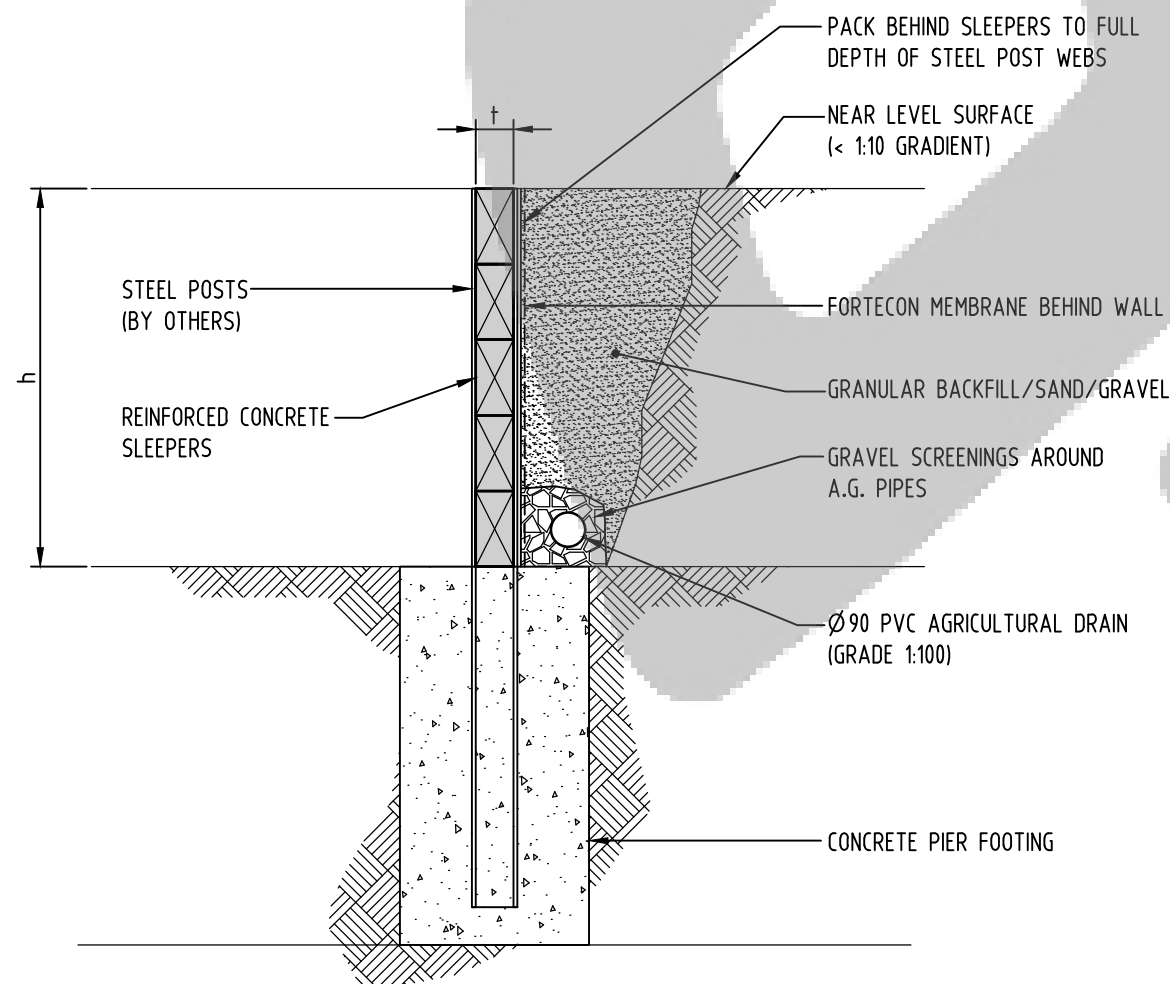


SECTION VIEW
SCALE 1:10

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) = 2400mm

WALL TYPE	WALL HEIGHT (h)	THICKNESS t (mm)	REINFORCEMENT
2.4m (HD) HEAVY DUTY (YELLOW)	$\leq 2.4m$	100	2-N10
2.4m (EHD) EXTRA HEAVY DUTY (RED)	$2.4m < h \leq 4.0m$	130	2-N10

REV.	DATE	DESCRIPTION	DRAFT	ENG.	CHK.
0	16.11.15	CONSTRUCTION ISSUE	MJS	NM	CL
1	17.02.16	CONSTRUCTION ISSUE	MJS	NM	CL
2	01.05.17	CONSTRUCTION ISSUE	MJS	NM	CL
3	10.05.19	CONSTRUCTION REISSUE	AA	RS	CL
4	24.05.19	CONSTRUCTION REISSUE	AA	RS	CL

WGA
WALLBRIDGE 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

2400mm LONG SLEEPER

A3
Design C.LINDNER Drawn M.SMITH
DRAWING NUMBER
Job Number Sheet No. Rev.
WAD150933 S02 4