

BOS/BAS FOR RESIDENTIAL DEVELOPMENT AT 14 KIRKWOOD ST, SEAFORTH, NSW, 2092

DRAWING LIST

S1	DRAWING TITLE AND INDEX
S2	PLAN ON BOS
S3	SECTION DETAILS

GENERAL

- G1. THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER OR ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- G2. ALL DIMENSIONS ARE TO BE OBTAINED FROM THE ARCHITECT'S DRAWINGS OR FROM SITE. ENGINEER'S DRAWINGS MUST NOT BE SCALED.
- G3. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES.
- G4. ALL WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT NATIONAL CONSTRUCTION CODE (NCC), AUSTRALIAN STANDARDS AND BEST PRACTICE INDUSTRY GUIDELINES.
- G5. THE APPROVAL OF A SUBSTITUTION BY THE ENGINEER IS NOT AN AUTHORIZATION FOR AN EXTRA. ANY EXTRA INVOLVED MUST BE TAKEN UP WITH THE ARCHITECT BEFORE WORK COMMENCES.
- G6. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS:

AREA	LIVE LOAD
FLOOR	1.5 kPa
ROOF	0.25 kPa 'OR' (1.8/A+.12) WHICHEVER IS GREATER
BALCONY	2.0 kPa

- G7. FOUNDATION MATERIAL TO BE APPROVED BEFORE PURING CONCRETE FOR A SAFE BEARING CAPACITY OF KPA.

INSPECTION & INSPECTION CERFICATION

THE INSPECTION AND/OR INSPECTION CERTIFICATION ARE NOT PART OF OUR DESIGN & DESIGN CERTIFICATION. THE REQUIREMENT OF INSPECTION CERTIFICATION INCLUDING STRUCTURAL ADEQUACY CERTIFICATION, IF APPLICABLE, ARE TO BE CONFIRMED BY THE CLIENT FROM THE PRINCIPAL CERTIFYING AUTHORITY (PCA) OR BUILDING SURVEYOR OR THE COUNCIL. IF REQUIRED, THIS OFFICE MUST BE BOOKED FOR INSPECTION AT LEAST 48 HOURS PRIOR. SEE FOR INSPECTION AND CERTIFICATION. AS REQUIRED WILL BE PROVIDED UPON REQUEST. THIS OFFICE WILL NOT BE ABLE TO PROVIDE ANY INSPECTION CERTIFICATION WITHOUT THE REQUIRED INSPECTION,



EARTHWORKS NOTES

- E1. REFER TO THE GEO-TECHNICAL ENGINEERING REPORT SPECIFIED IN THE GENERAL NOTES..
- E2. STRIP SITE OF ALL TOPSOIL, VEGETATION AND DELETERIOUS MATTER TO A MINIMUM DEPTH OF 150MM.
- E3. PROOF ROLL SUB-GRADE TO REVEAL SOFT SPOTS. SOFT SPOTS TO BE REMOVED AND BACKFILLED.
- E4. MATERIAL WON FROM THE SITE TO BE INSPECTED BY THE GEO-TECHNICAL ENGINEER FOR APPROVAL PRIOR TO USE AS FILL. ANY IMPORTED FILL TO BE A MINIMUM CBR VALUE OF 4%. UNLESS THE GEOTECHNICAL REPORT NOTES OTHERWISE, COMPACT FOUNDATION MATERIAL AND FILL IN LAYERS NOT EXCEEDING 300mm TO 95% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289. PROVIDE COMPACTION TEST RESULTS FOR ENGINEER REVIEW PRIOR TO PROCEEDING
- E5. TEST CERTIFICATES ON THE FILL MATERIAL SHALL BE SUPPLIED TO THE SUPERINTENDENT FOR APPROVAL, PRIOR TO THE USE OF FILL MATERIAL.

PREPARATION OF SUB-BASE FOR SLABS ON GROUND

- P1. CLEAR AREA UNDER SLAB OF ALL TOP SOIL CONTAINING HUMUS & VEGETABLE MATTER (100MM MIN.)
- P2. PROVIDE FILL UNDER SLAB WHERE REQUIRED TO PRODUCE FINISHED LEVELS AS SHOWN ON PLANS.
- P3. FILLING USED IN CONSTRUCTION OF SLAB, EXCEPT WHERE THE SLAB IS SUSPENDED, SHALL CONSIST OF CONTROLLED FILL OR ROLLED FILL AS FOLLOWS.
 - CONTROLLED FILL IN MATERIAL THAT HAS BEEN PLACED AND COMPACTED IN LAYERS BY COMPACTION EQUIPMENT WITHIN A DEFINED MOISTURE RANGE TO A DEFINED DENSITY REQUIREMENT. EXCEPT AS PROVIDED BELOW, CONTROLLED FILL SHALL BE PLACED IN ACCORDANCE WITH AS 3798.
 - SAND FILL UP TO 0.8M DEEP, WELL COMPACTED IN NOT MORE THAN 0.3M THICK LAYERS BY A VIBRATING PLATE PR VIBRATING ROLLER SHALL BE DEEMED TO COMPLY WITH THIS REQUIREMENT. A SATISFACTORY TEST FOR SAND FILL NOT CONTAINING GRAVEL SIZED MATERIAL IS THE ACHIEVEMENT OF A BLOW COUNT OF 7 OR MORE PER 0.3M USING THE PENETROMETER TEST DESCRIBED IN AS1289.6.3.3.
 - NON-SAND FILL UP TO 0.4M DEEP, WELL COMPACTED IN NOT MORE THAN 0.15M LAYERS BY A MECHANICAL ROLLER SHALL BE DEEMED TO COMPLY WITH THE REQUIREMENT. CLAY FILL SHALL BE MOIST DURING COMPACTION.
 - ROLLED FILL CONSISTS OF MATERIAL COMPACTED IN LAYERS BY REPEATED ROLLING WITH AN EXCAVATOR. ROLLED FILL SHALL NOT EXCEED 0.6M COMPACTED IN LAYERS NOT MORE THAN 0.3M THICK FOR SAND MATERIAL OR 0.3M COMPACTED IN LAYERS NOT MORE THAN 0.15M THICK FOR OTHER MATERIAL. NOTE: THE DEPTHS OF FILL GIVEN IN THIS CLAUSE ARE THE DEPTHS MEASURED AFTER COMPACTION.
- P4. A 50MM MIN. BASE COURSE OF PACKING SAND SHALL BE SPREAD OVER THE SUB-BASE AND TO BE THOROUGHLY ROLLED AND COMPACTED TO A SMOOTH LEVEL SURFACE. THE SAND SHALL BE MOISTENED PRIOR TO THE PLACEMENT OF A 0.2MM POLYTHENE MEMBRANE IN 3600MM MIN. WIDE SHEETS LAPPED 150MM AND JOINED WITH 75MM WIDE PRESSURE SENSITIVE TAPE. THE TAPE SHALL BE LAID UNDER ALL SLABS AND WALLS IN CONTACT WITH THE GROUND.
- P5. THE TOTAL FILL BENEATH THE SLAB PANELS MUST NOT EXCEED 300MM I.E. THE SUM OF EXISTING FILL PLUS ANY NEW FILLING PLACED TOGETHER MUST NOT EXCEED 300MM MAX.

SLAB ON GROUND NOTES

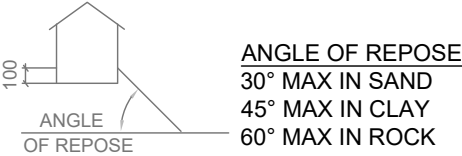
1. REFER ARCHITECT FOR WATERPROOFING DETAILS.
2. REFER ARCHITECT FOR TERMITE PROTECTION.
3. REFER ARCHITECT FOR STEP AND FALLS IN SLABS.
4. FABRIC TO BE PLACED ON CHAIRS AT 800X800 CENTRES AND CHAIRS TO BE PLACED ON STEEL PANS.
5. LAP FABRIC REINFORCEMENT THUS:



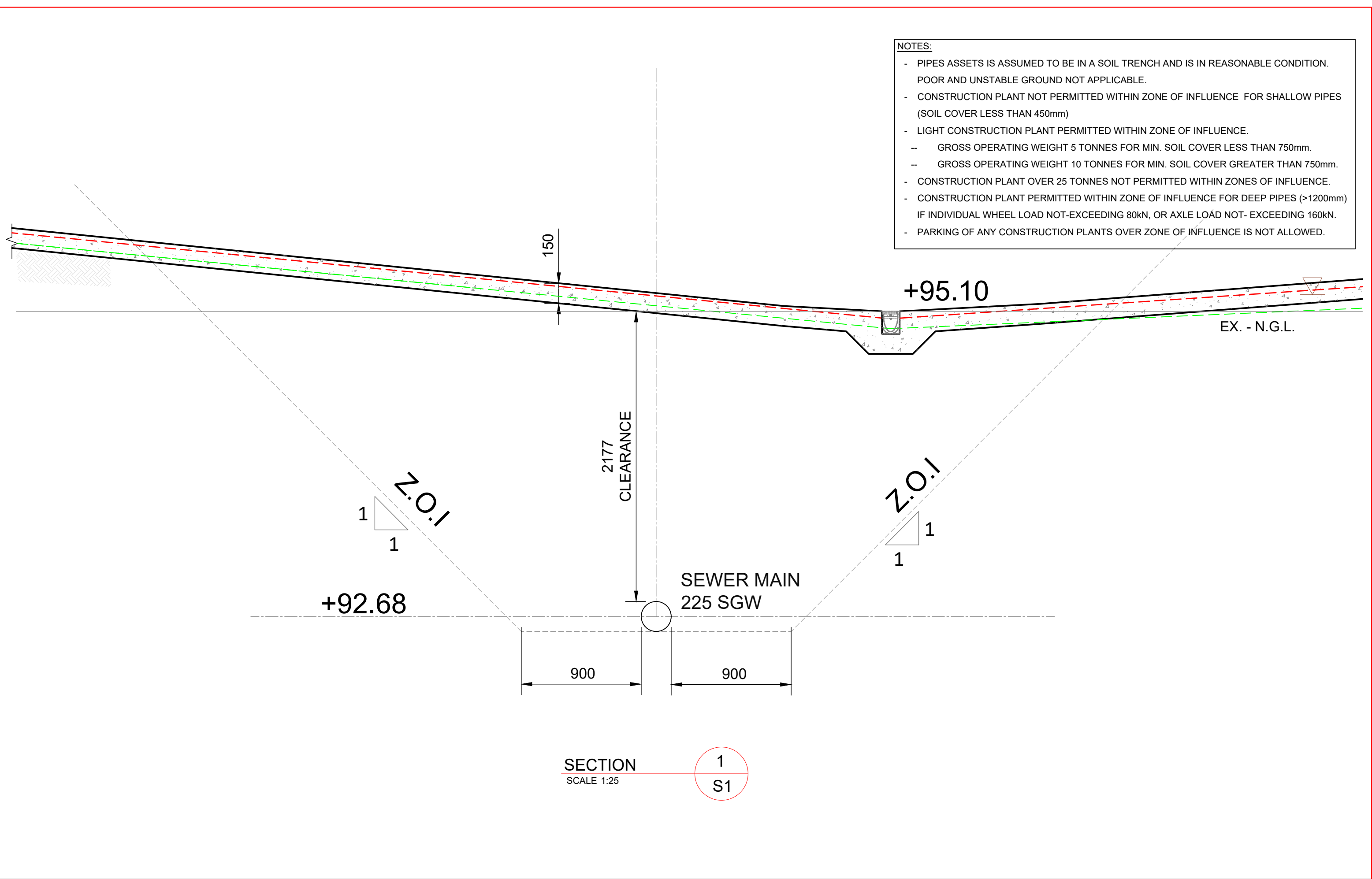
6. WHERE BEDDING SAND IS REQUIRED UNDER SAND, THIS SHALL BE COMPACTED SUFFICIENTLY TO SUPPORT REINFORCEMENT PLYS 100KG/CHAIR WITHOUT VERTICAL DISPLACEMENT.

FOOTING : ANGLE OF REPOSE

1. FOOTINGS MUST NOT UNDERMINE EXISTING FOOTING OR BE UNDERMINED BY PROPOSED EXCAVATION.
2. ENSURE ADEQUATE ANGLE OF REPOSE AT ALL TIMES (REFER DETAILS BELOW).
3. NOTIFY THIS OFFICE IF FOOTING UNDERMINE OCCURS.
4. PIPE DEPTH & LOCATION MUST BE CONFIRMED PRIOR TO CONSTRUCTION.



Issue	Description	Date	Design	Check	ARCHITECT/CLIENT	PROJECT:	BOS/BAS	REGISTERED	KEVIN ZIA (MIEAust, CPEng, NER)	Prime Consulting Engineers Pty Ltd	PCE	Prime Consulting Engineers
0	For Review	12/10/2022	KK	KZ	SAMM & CLARE CARBINES	PROJECT: BOS/BAS DETAILS AT 14 KRIKWOOD ST, SEAFORTH, NSW, 2092	Size A3	Scale U.N.O 1:100	THE COPY RIGHT OF THIS DRAWING REMAINS WITH PRIME CONSULTING ENGINEERS PTY. LTD.			CIVIL - STRUCTURAL - HYDRAULICS A.B.N. 34 641 874 795 U 21 / 1 JORDAN STREET GLADESVILLE NSW 2111 e: info@primeengineers.com.au w: www.primeengineers.com.au p: 02 8964 1818 m: 0466 053 516
A	For Submission	01/11/2022	KK	KZ								
						TITLE: DRAWING TITLE & INDEX	DWG no. C-22-320-2	Sheet no. 01				



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A	For Submission	01/11/2022	KK	KZ					
						TITLE: SECTION DETAILS	DWG no. C-22-320-2	Sheet no. 03	
							THE COPY RIGHT OF THIS DRAWING REMAINS WITH PRIME CONSULTING ENGINEERS PTY. LTD.		
							<div>PCE</div> <div>Prime Consulting Engineers</div> <div>CIVIL - STRUCTURAL - HYDRAULICS A.B.N. 34 641 874 795</div> <div>U 21 / 1 JORDAN STREET GLADESVILLE NSW 2111</div> <div>e: info@primeengineers.com.au w: www.primeengineers.com.au</div> <div>p: 02 8964 1818 m: 0466 053 516</div>		