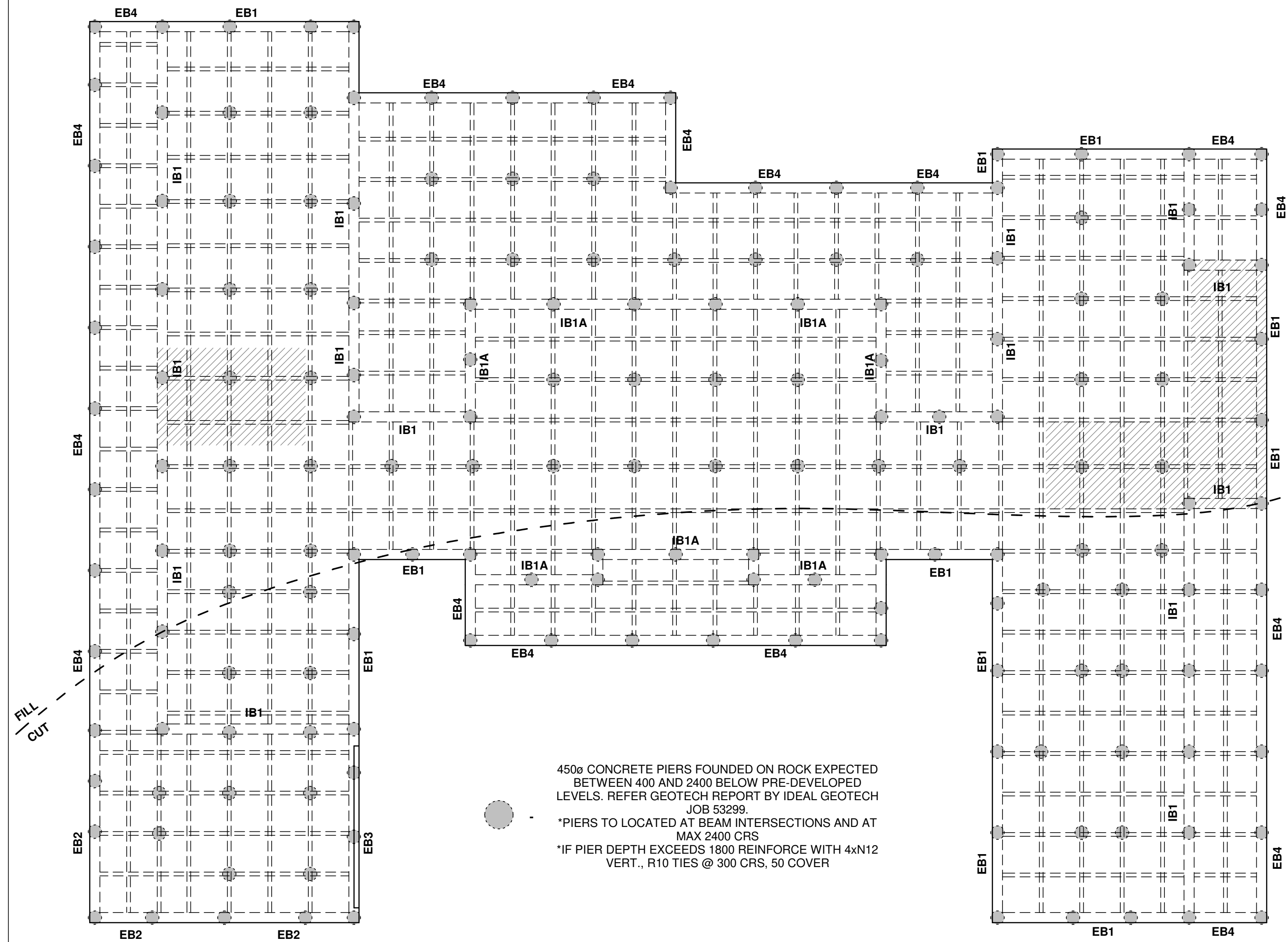
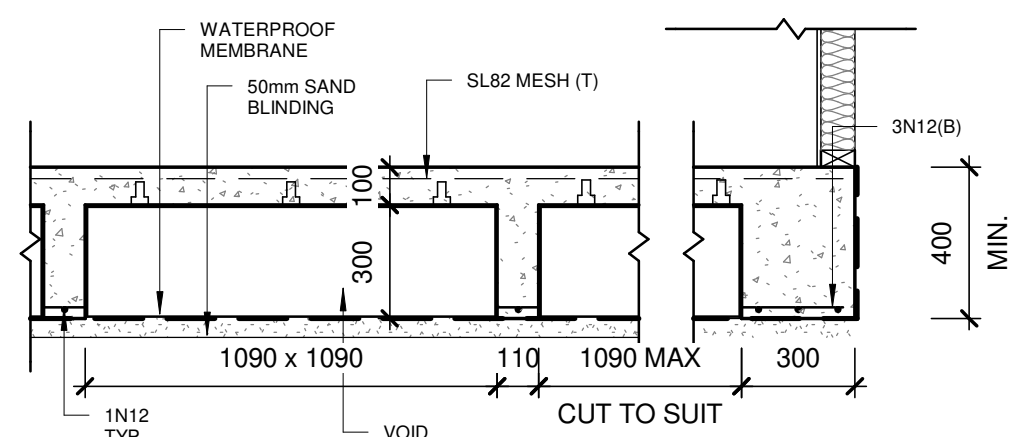


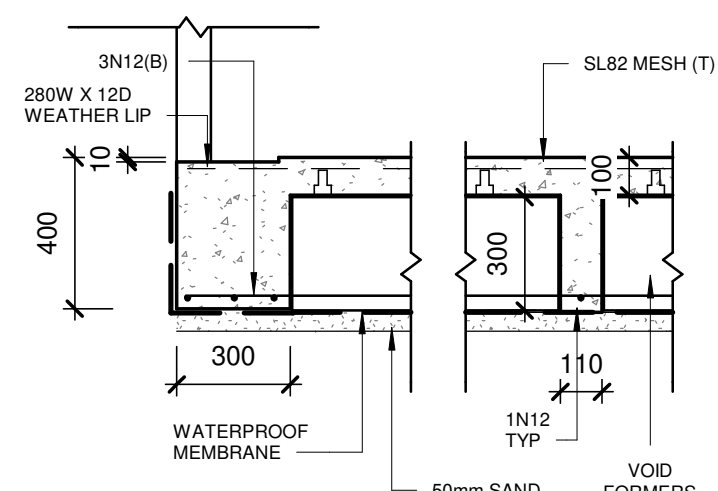


FOOTINGS PLAN

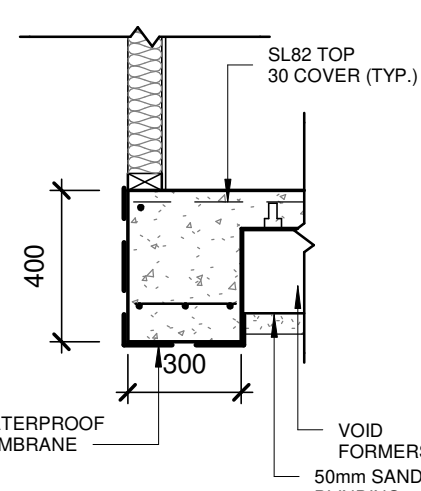
1 : 100



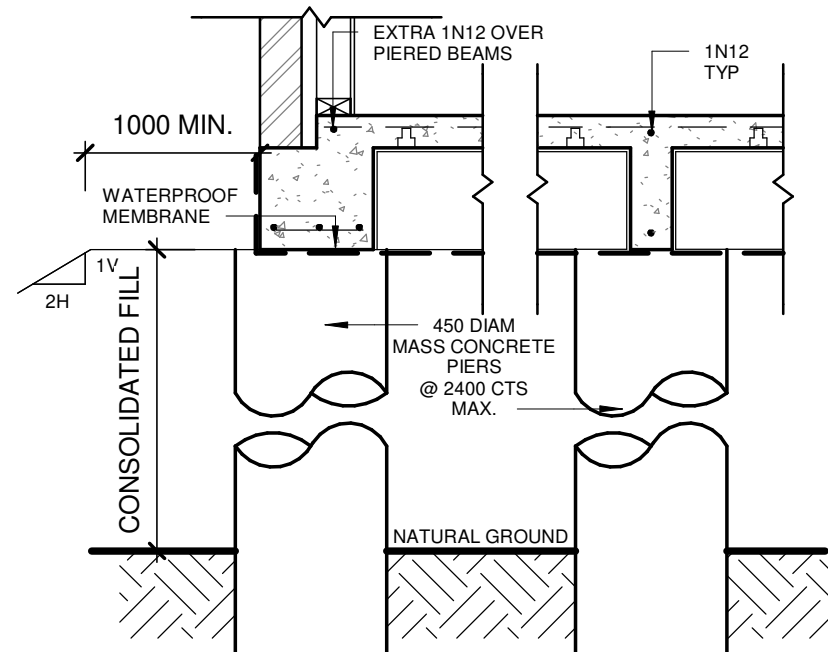
EB1



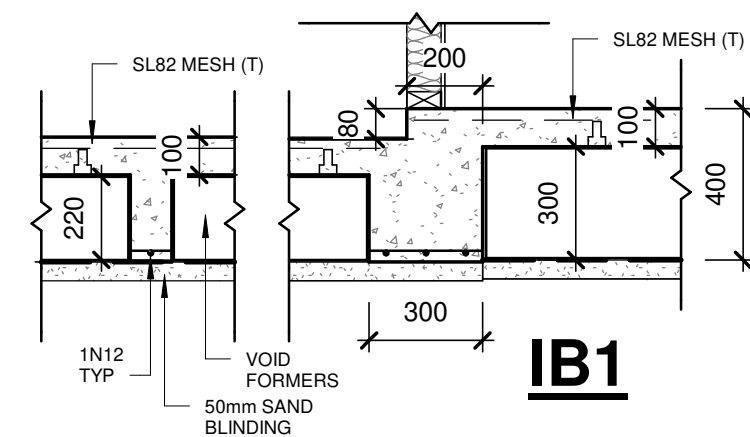
EB3



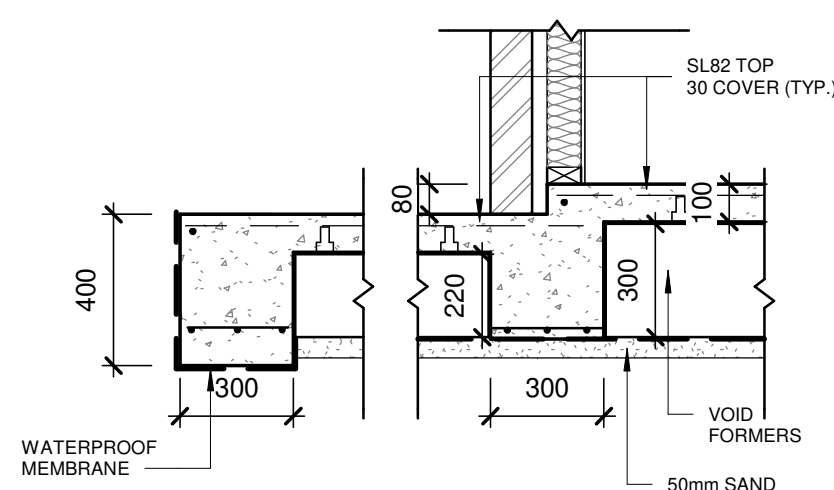
EB2



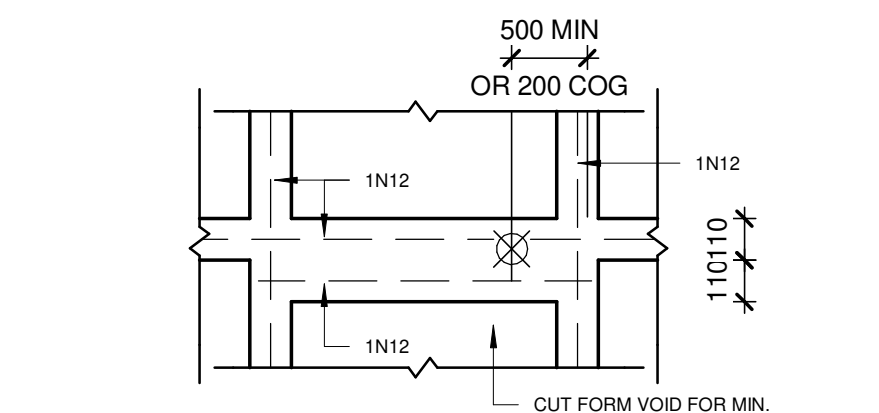
TYPICAL PIER DETAIL



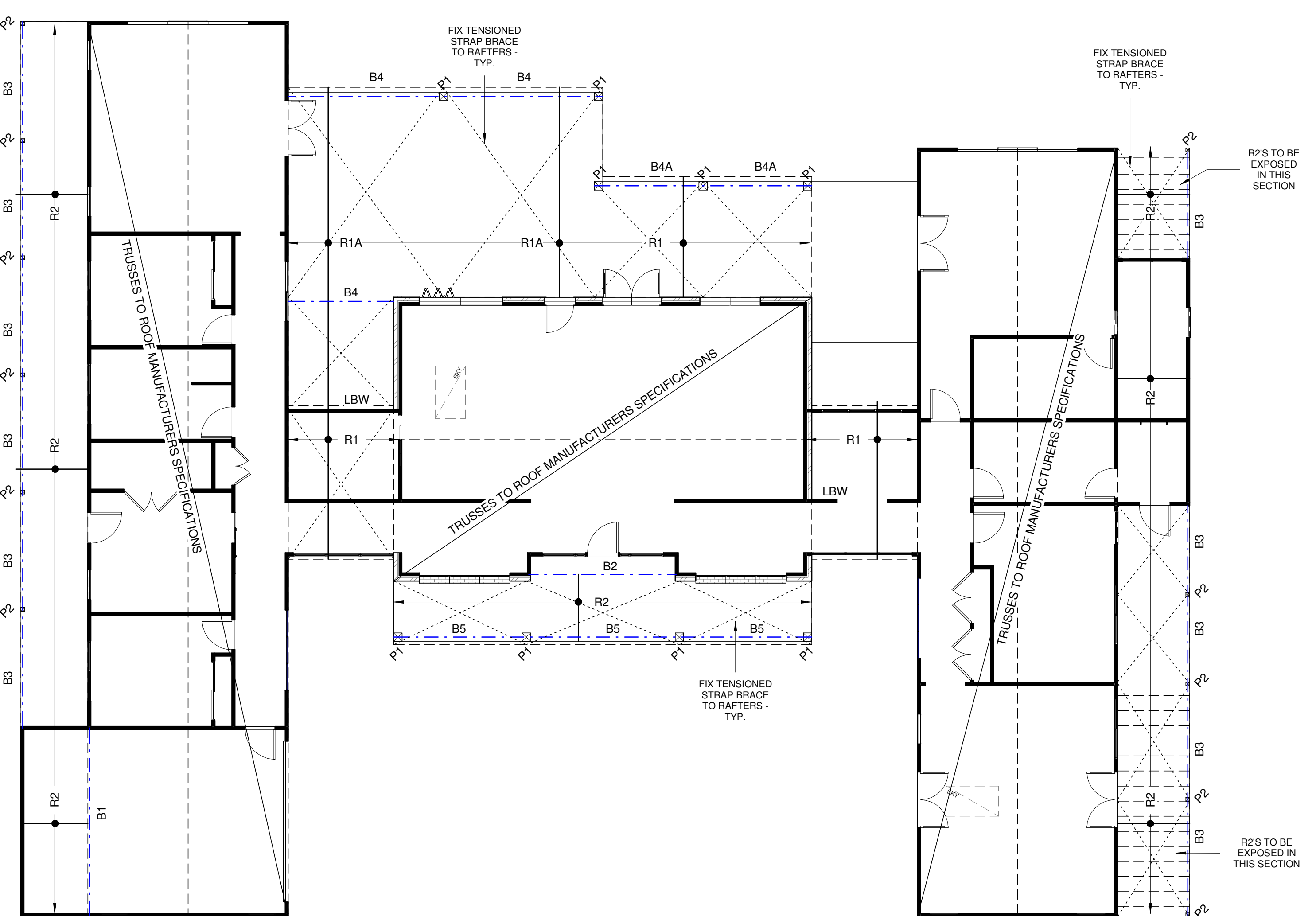
IB1



EB4/IB1A



PIPE PENETRATION DETAIL



FRAMING PLAN

1 : 100

MEMBER SCHEDULE		
ITEM	DESCRIPTION	
B1	400x63 LVL13 DOUBLE STUD SUPPORT E/END	5700
B2	360x63 LVL13 DOUBLE STUD SUPPORT E/END	3600
B3	2x190x35 H3 F7 LAMINATED (2xM12 GAL. BOLTS TO POST)	3400
B4	2x290x45 H3 MGP10 LAMINATED (2xM12 GAL. BOLTS TO POST)	4500
B4A	290x45 H3 MGP10	4500
B5	240x45 H3 F7 2xM12 BOLTS TO POST	4500
P1	250 x250 'BRIDGE TIMBER' POST	-
P2	115x115 DESIGN PINE POST	-
R1	240x35 H3 F7 @600 CRS	6200
R1A	240x45 LVL13 @600 CRS	6200
R2	140x35 H3 F7 @600 CRS	2000
LBW	LOAD BEARING WALL UNDER	-

LINTELS NOT SHOWN IN TABLE TO BE SIZED BY FRAME MANUFACTURER TO AS1684
DESIGN & SPECIFICATION OF WALL FRAMES, WALL BRACING, ROOF TRUSSES AND ROOF BRACING BY FRAME MANUFACTURER TO AS1684
ALL EXPOSED MEMBERS TO BE MIN H3 TREATED

CERTIFIED STRUCTURALLY ADEQUATE P. McDONALD. B.ENG(Civil), M.I.E.Aust	 AUTHORISED SIGNATURE PETER McDONALD DATE: 5.12.25
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GENERAL

- THESE 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 SUPERINTENDENT BEFORE PROCEEDING WITH THE WORK.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT SAA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARYED BY THE PROJECT SPECIFICATION.
- SETTING-OUT DIMENSIONS AND SIZES OF STRUCTURAL MEMBERS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS. ANY SETTING-OUT DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE CHECKED BY THE CONTRACTOR BEFORE CONSTRUCTION COMMENCES.
- DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A SAFE AND STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER AS REQUIRED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
- UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
- THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT SAA CODES AND LOCAL GOVERNMENT ORDINANCES FOR THE FOLLOWING LOADINGS:
WIND CATEGORY N3

GROUND SLAB

- ALL WORK SHALL BE IN ACCORDANCE WITH AS2870.
- SLAB HAS BEEN DESIGNED FOR CLASS M SITE.
- 450mm CONCRETE PIERS FOUND ON ROCK EXPECTED BETWEEN 400 AND 2400 BELOW PRE-DEVELOPED LEVELS. REFER GEOTECH REPORT BY IDEAL GEOTECH JOB 53299.
- PIERS TO BE LOCATED AT BEAM INTERSECTIONS AND AT MAX 2400 CRS '16' PIER DEPTH EXCEEDS 1800 REINFORCE WITH 4xN12 VERT., R10 TIES @ 300 CRS, 50 COVER
- ALL VEGETATION TO BE REMOVED FROM BENEATH STRUCTURE.
- DRAINAGE AND PLUMBING WORKS SHALL COMPLY WITH SECTION 5 OF AS2870.
- IF BRITTLE FLOOR COVERINGS ARE TO BE FIXED DIRECTLY TO THE SLAB, AT LEAST ONE OF THE FOLLOWING MEASURES SHALL BE ADOPTED:
7.1. F192 MESH SHALL BE USED IN AFFECTED AREAS IN LIEU OF MESH AS DETAILED.
- 7.2. THERE SHALL BE A MINIMUM OF 3 MONTHS CURING OF CONCRETE BEFORE COVERING IS FIXED TO SLAB. CONSULT FLOOR COVERING MANUFACTURER TO CONFIRM REQUIREMENTS FOR CONCRETE CURING TIMES BEFORE PLACEMENT OF BRITTLE FLOOR COVERING.
- 7.3. A FLEXIBLE ADHESIVE SHALL BE USED. CONSULT FLOOR COVERING MANUFACTURER FOR ADVICE.
8. AT RE-ENTRANT CORNERS, ONE STRIP OF 3-12.7MM, 1500 LONG SHALL BE PLACED DIAGONALLY ACROSS A POTENTIAL CRACK.
9. ALL LEVELS SHOWN ARE APPROXIMATE ONLY AND MUST BE CONFIRMED BY THE BUILDER PRIOR TO CONSTRUCTION.
10. THE BUILDER SHALL CONSTRUCT DRAINS TO PERMANENTLY DIVERT STORMWATER FLOWS FROM BENEATH THE BUILDING.
11. DRAINAGE AND PLUMBING WORKS SHALL COMPLY WITH SECTION 5 OF AS2870

FOUNDATIONS

- FOOTINGS HAVE BEEN DESIGNED FOR A CLASS P (M) CLASS SITE AND AN ALLOWABLE BEARING PRESSURE OF 150 kPa ON RESIDUAL CLAY OR WEATHERED ROCK. REFER TO GEOTECHNICAL REPORT BY IDEALCORP REF: 53299
- PILED FOOTINGS TO BE FOUNDED ON ROCK
- FOOTINGS SHALL BE LOCATED CENTRALLY UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
- RETAINING WALLS (OTHER THAN CANTILEVER WALLS) SHALL NOT BE BACKFILLED UNTIL FLOOR CONSTRUCTION AT TOP AND BOTTOM IS COMPLETED. ENSURE FREE DRAINING BACKFILL IS USED, AND DRAINAGE IS IN PLACE. CANTILEVER WALLS SHALL BE BACKFILLED ONLY AFTER MINIMUM 20MPa CONCRETE STRENGTH IS ACHIEVED. CANTILEVER WALLS SHALL NOT BE PROPPED DURING BACKFILLING.
- FOOTINGS SHALL BE CONSTRUCTED AND BACKFILLED AS SOON AS POSSIBLE FOLLOWING EXCAVATION TO AVOID SOFTENING OR DRYING OUT BY EXPOSURE.

EARTHWORKS SPECIFICATION TO BUILDING PLATFORM

- CUT SURFACE TO BE INSPECTED AND APPROVED BY SUPERVISING ENGINEER AS ADEQUATE PRIOR TO ADDITIONAL EARTHWORKS BEING UNDERTAKEN.
- ALLOW TO REMOVE ADDITIONAL 300mm (AVERAGE DEPTH) OF FILL/TOPSOIL FROM BUILDING PLATFORM, 100mm IN NORTH WEST CORNER TO 600mm IN SOUTH WEST CORNER.
- ALLOW TO IMPORT 300mm (AVERAGE DEPTH) OF APPROVED GRANULAR ROADBASE TO SITE TO ACHIEVE FORMATION LEVEL OVER ENTIRE BUILDING SITE. ADDITIONALLY IMPORT GRANULAR FILL TO NORTH EAST CORNER OF SITE TO RAISE TO EARTHWORKS FORMATION LEVEL (DEPTH VARIES FROM 0.300mm ADDITIONAL OVER ITEM 3).
- ALL GRANULAR FILL TO BE COMPACTED IN 200mm MAXIMUM LAYERS TO 100% STANDARD COMPACTION.

BULK EARTHWORKS

- ALL TOPSOIL AND ORGANIC MATERIAL TO BE STOCKPILED AND REUSED ON SITE BUT NOT UNDER THE BUILDING AREA.
- VOIDS LEFT BY TREE ROOT REMOVAL IN THE PROXIMITY OF PROPOSED BUILDINGS SHALL BE BACKFILLED WITH WELL COMPACTED, APPROVED GRANULAR MATERIAL.
- AFTER EXCAVATION ALL EXPOSED SUBGRADE OVER THE ENTIRE SITE AREA SHALL BE PROOF ROLLED BY 3 PASSES OF A VIBRATING DRUM ROLLER WITH A MINIMUM STATIC WEIGHT OF 7 TONNES TO THE APPROVAL OF THE SUPERINTENDENT.
- APPROVED FILL MATERIAL SHALL BE PLACED IN MAXIMUM 200mm (LOOSE) LAYERS AND COMPACTED TO THE FOLLOWING MINIMUM STANDARD DRY DENSITY RATIOS (AS 1289 5.4.1-1993) AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM:
 - FILLING USED AS SUBGRADE FOR CARPARK & ACCESS ROAD = 98%
 - FILLING UNDER BUILDINGS = 95%
 - ROAD SUBGRADE = 100%

STRUCTURAL BRICKWORK & BLOCKWORK STRUCTURAL STEEL

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700.
- ALL BRICKS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20 MPa. ALL BLOCKS SHALL BE STRENGTH GRADE 12 MPa.
- ALL MORTAR SHALL CONSIST OF PORTLAND CEMENT, HYDRATED LIME AND A WELL GRADED SAND IN THE PROPORTIONS OF 1:1:6 BY VOLUME RESPECTIVELY. GRADING CURVES FOR THE SAND SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL.
- CHASES AND BOLT SLOTS SHALL NOT BE MADE IN LOAD BEARING BRICKWORK WITHOUT THE APPROVAL OF THE ENGINEER.
- JOINT THICKNESS SHALL BE MINIMUM 6mm AND MAXIMUM 12mm. ALL BRICKS SHALL BE Laid ON FULL MORTAR BED WITH PERPENDS FILLED AND FROGS UP.
- BLOCKWORK AND BRICKWORK SHALL NOT BE BUILT ON SUSPENDED SLABS OR BEAMS UNTIL FORMWORK AND PROPS SUPPORTING SAME HAVE BEEN REMOVED AND THEN ONLY AFTER BRICKS HAVE BEEN STACKED ADJACENT TO THEIR FUTURE POSITION.
- NON LOAD BEARING WALLS SHALL BE SEPARATED FROM CONCRETE ABOVE 10mm THICK CLOSED CELL POLYETHYLENE STRIP OR APPROVED EQUIVALENT.
- UNLESS NOTED OTHERWISE, PROVIDE VERTICAL CONTROL JOINTS AT 6m MAXIMUM CENTRES, AND 5m MAXIMUM FROM CORNERS IN BRICKWORK. REFER TO ARCHITECTS DRAWINGS FOR LOCATION OF CONTROL JOINTS.
- WHERE CORES ARE TO BE FILLED USE 20MPa CONCRETE (10mm AGGREGATE SIZE, MAXIMUM SLUMP 230).
- PROVIDE CLEAN OUT HOLES AT BOTTOM OF ALL FILLED CORES.

- PROVIDE 65mm COVER FROM THE OUTSIDE OF THE BLOCKWORK TO ALLOW ADEQUATE GROUT COVER TO REINFORCEMENT.
- PROVIDE VERTICAL JOINTS IN BLOCKWORK AT MAXIMUM 8m CENTRES UNLESS NOTED OTHERWISE.
- PROVIDE APPROVED STAINLESS STEEL BRICK TIES ACROSS THE JOINT AT 600 MAXIMUM VERTICAL CENTRES. REFER TO ARCHITECTS DRAWINGS FOR LOCATIONS OF CONTROL JOINTS.
- ALL STEELWORK TO BE FIXED TO ABUTTING MASONRY USING APPROVED STAINLESS STEEL TIES AT 300mm MAXIMUM VERTICAL CENTRES.

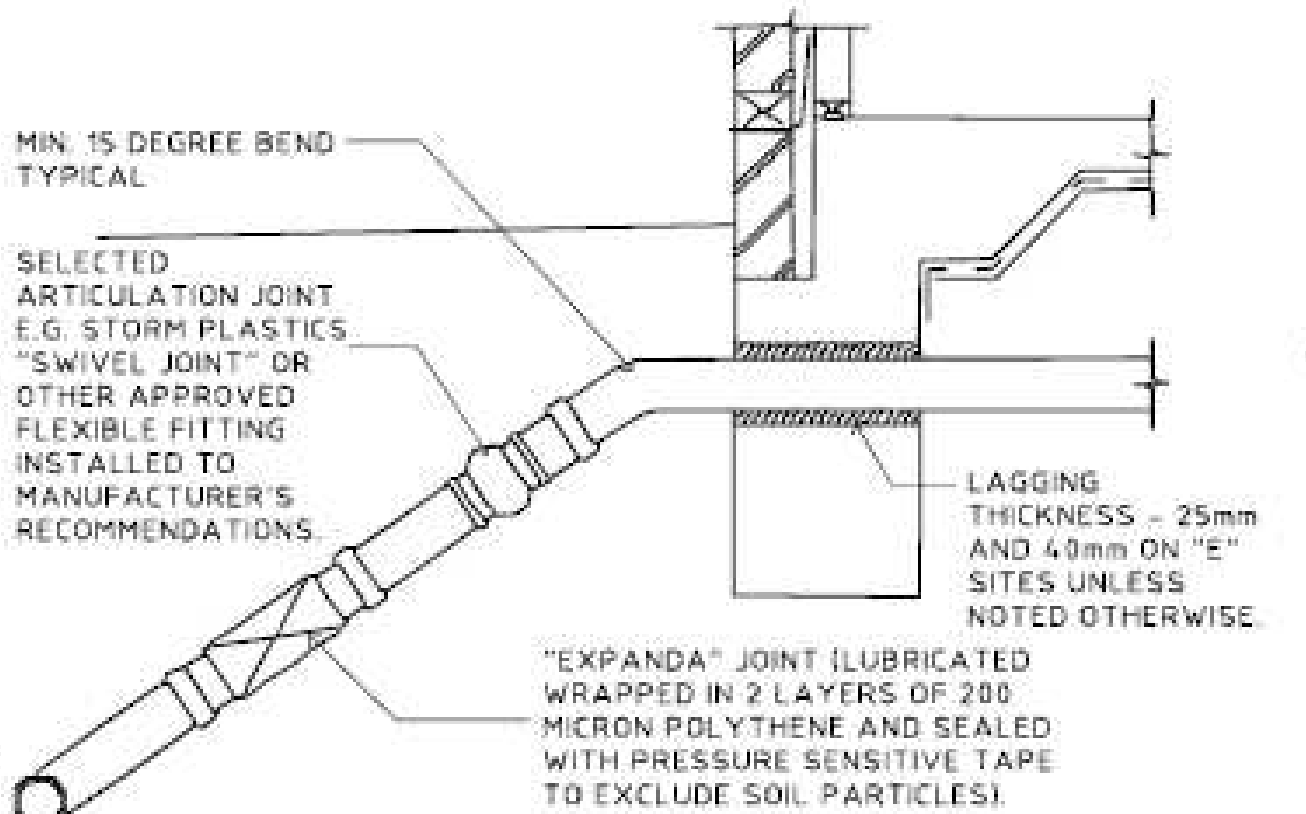
GENERAL

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF AS CODES: AS4100, AS1554 AND AS1204 U.N.O.
- ALL BASE AND END PLATES SHALL BE 10MM PLATE U.N.O.
- ALL CLEATS SHALL BE 10MM PLATE U.N.O.
- 20MM STRUCTURAL NON SHRINK GROUT SHALL BE PLACED UNDER ALL COLUMN BASES U.N.O.
- REFER TO ARCHITECTS DRAWINGS FOR FIRE RATING REQUIREMENT.
- THE MINIMUM SURFACE TREATMENT OF ALL STRUCTURAL STEELWORK SHALL BE AS FOLLOWS:
 - 6.1. ABRASIVE BLAST CLEAN TO 2.5
 - 6.2. APPLY ONE COAT OF GREY OXIDE ZINC PHOSPHATE PRIMER, MINIMUM DRY FILM THICKNESS OF 0.075MM U.N.O.
 - 6.3. SEAL THE ENDS OF ALL TUBULAR MEMBERS U.N.O. WITH 3MM THICK PLATES AND CONTINUOUS SEAL WELDS UNLESS NOTED OTHERWISE WITH 'VENT' HOLES IF MEMBERS ARE HOT DIPPED GALVANISED.
 - 6.4. MEMBERS HAVING A NATURAL CAMBER WITHIN THE STRAIGHTNESS TOLERANCE SHALL BE ERECTED WITH THE CAMBER UP. INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- WELDING
 - 1. ALL WELDS SHALL BE IN ACCORDANCE WITH AS4100
 - 2. ALL WELDS SHALL BE 6MM CONTINUOUS FILLET WELDS U.N.O. OR AS REQUIRED BY AS4100.
 - 3. SITE WELDS WHERE NOTED IN THE DOCUMENTATION SHALL BE THOROUGHLY WIRE BRUSHED CLEANED AND PAINTED WITH COLD-GAL & FINAL PROTECTIVE PAINT SYSTEM.
 - 4. COLD FORMED SECTIONS SHALL BE WORK SHOP WELDED USING MIG PROCESS WITH LW1 OR EQUIVALENT ELECTRODE.
 - 5. WELDS ARE TO USE E48XX ELECTRODES WITH CATEGORY SP INSPECTION. ALL TO AS 1554 UNLESS NOTED OTHERWISE. ALL WELDING SHALL BE PERFORMED BY A QUALIFIED WELDER IN ACCORDANCE WITH AS 1554 PART 1.
- BOLTS
 - 1. ALL BOLTS, NUTS AND WASHERS, INCLUDING HOLD DOWN BOLTS, CAST IN FERRULES AND MASONRY ANCHORS ARE TO BE HOT DIPPED GALVANISED U.N.O.
 - 2. ALL BOLT HOLES SHALL BE 2MM LARGER THAN THE NOMINAL BOLT DIAMETER UNLESS NOTED OTHERWISE. SLOTTED HOLES FOR H.D. BOLTS SHALL BE 4MM OVERSIZE UNLESS NOTED OTHERWISE.
 - 3. ALL BOLTS SHALL BE M16 GRADE 8.8 SNUG U.N.O.

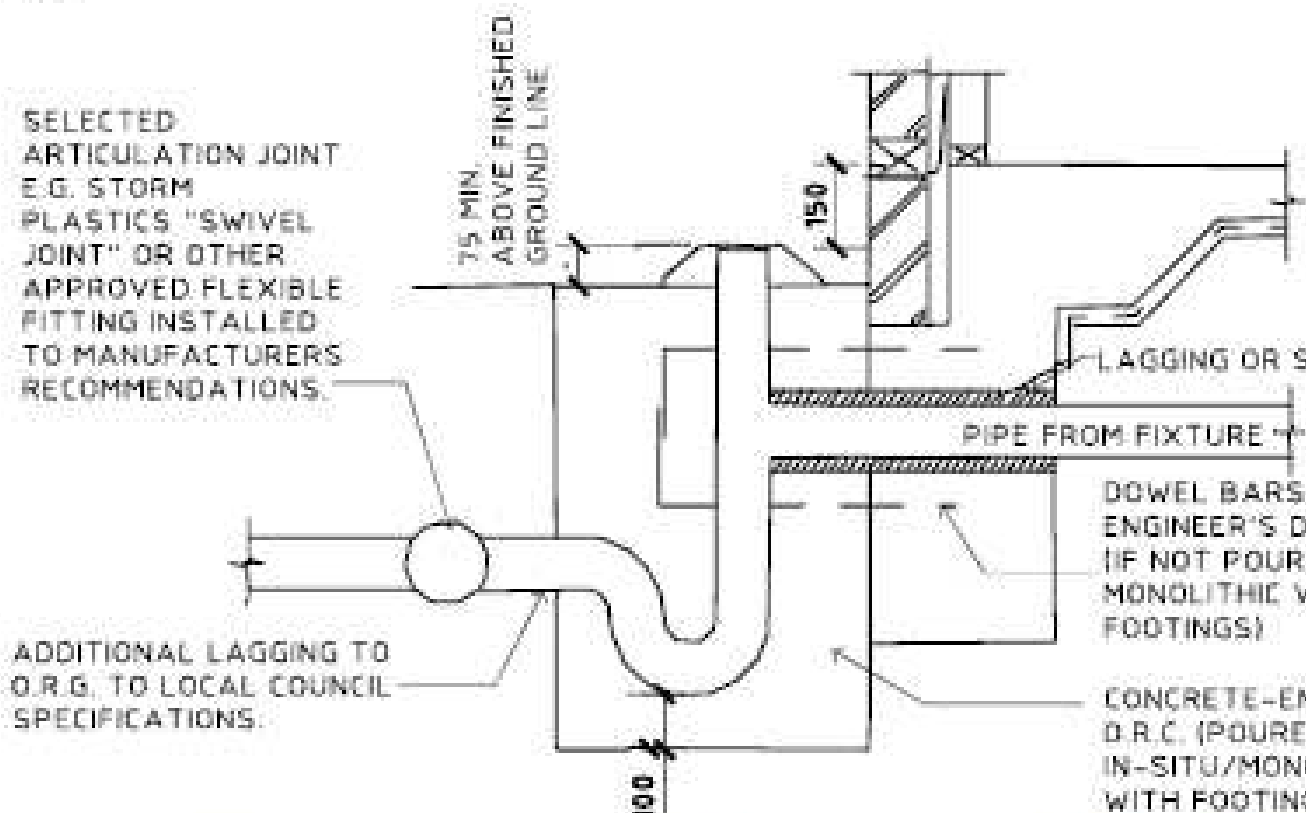
CONCRETE

CONCRETE SCHEDULE			
ELEMENT	STRENGTH	MAX AGG'	SLUMP
FOOTINGS	25MPa	20mm	80mm
GND SLAB	25MPa	25mm	80mm

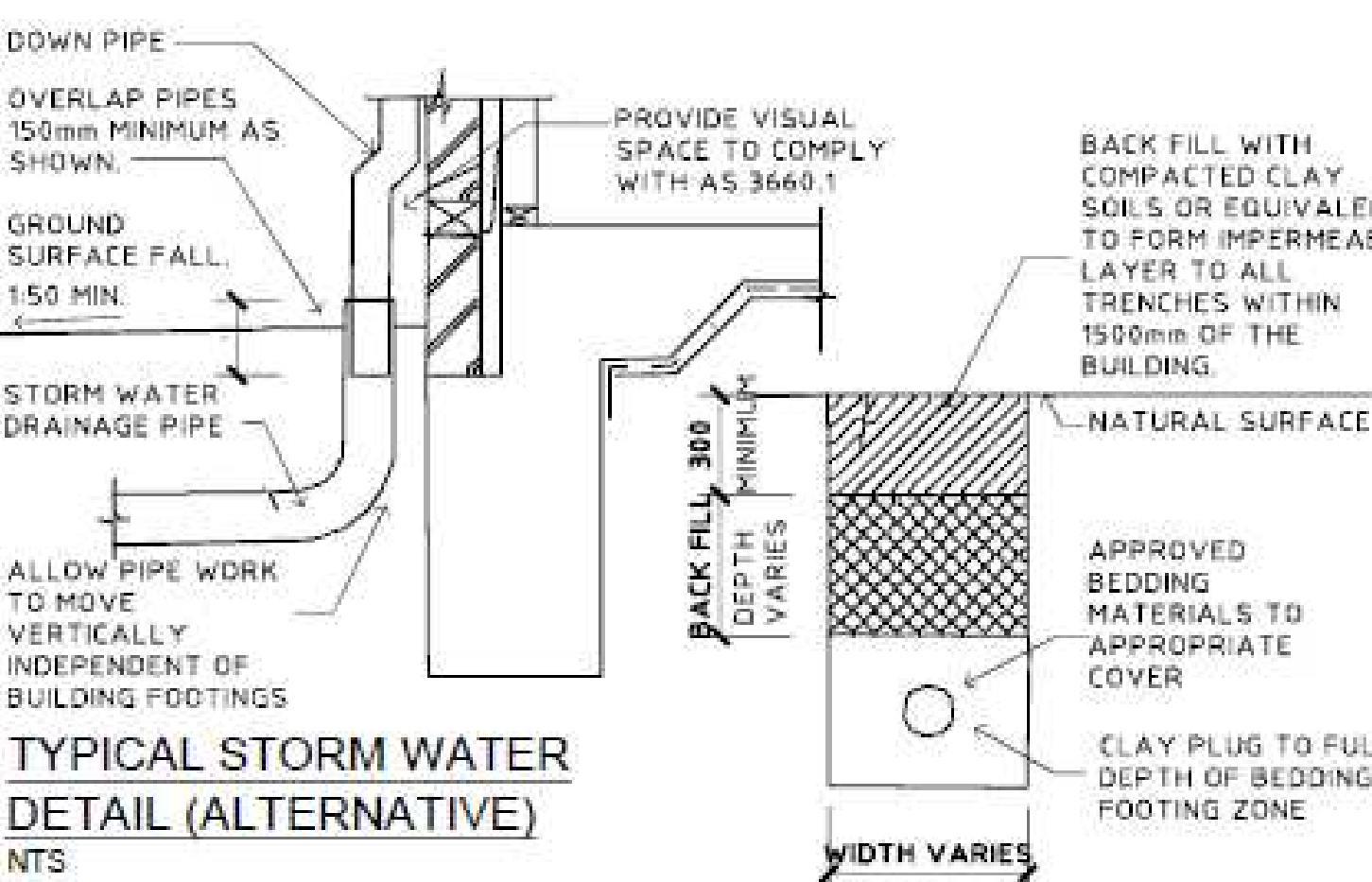
- ALL WORK SHALL BE IN ACCORDANCE WITH AS3600 U.N.O.
- COVER TO BE MIN 30mm TOP & 8mm U.N.O.
- ALL CONCRETE SHALL BE MECHANICALLY VIBRATED
- CURING COMPOUND APPROVED BY THE ENGINEER
- IMPERMEABLE PLASTIC MEMBRANE THAT ADEQUATELY SEALS THE CONCRETE FROM EXPOSURE AND DRYING.
- CONTINUOUS AND TOTAL WETTING OF THE CONCRETE BY SPRAY, PONDING OR OTHER MEANS.
- SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE APPLIED FINISHES
- REINFORCEMENT SHEET MESH SHALL BE LAPPED SO THAT TWO OUTERMOST TRANSVERSE WIRES OF ONE SHEET OVERLAP THE TWO OUTERMOST TRANSVERSE WIRES OF THE SHEET BEING LAPPED.
- REINFORCEMENT LAPS SHALL BE 500MM OR 25 BAR DIAMETERS (WHICHEVER IS GREATER).
- TRENCH MESH SHALL BE LAPPED 500MM OR 25 BAR DIAMETERS (WHICHEVER IS GREATER).
- WELDING FOR FABRICATION IS NOT PERMITTED. "TACK" WELDING FOR FABRICATION IS ALLOWABLE. CARE MUST BE TAKEN WHEN "TACK" WELDING SO THAT THE INTEGRITY OF THE REINFORCEMENT IS NOT COMPROMISED.
- REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY. IT IS NOT NECESSARILY SHOWN IN ITS TRUE POSITION.
- SERVICE PENETRATIONS ARE TO BE APPROVED BY THE ENGINEER. GENERALLY THE PENETRATION SHALL BE TAKEN INTO ACCOUNT BY THE PROVISION OF EXTRA CONCRETE DEPTH AND REINFORCEMENT. PENETRATIONS IN EDGE BEAMS AND FOOTINGS SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE TO THE APPROVAL OF THE ENGINEER.



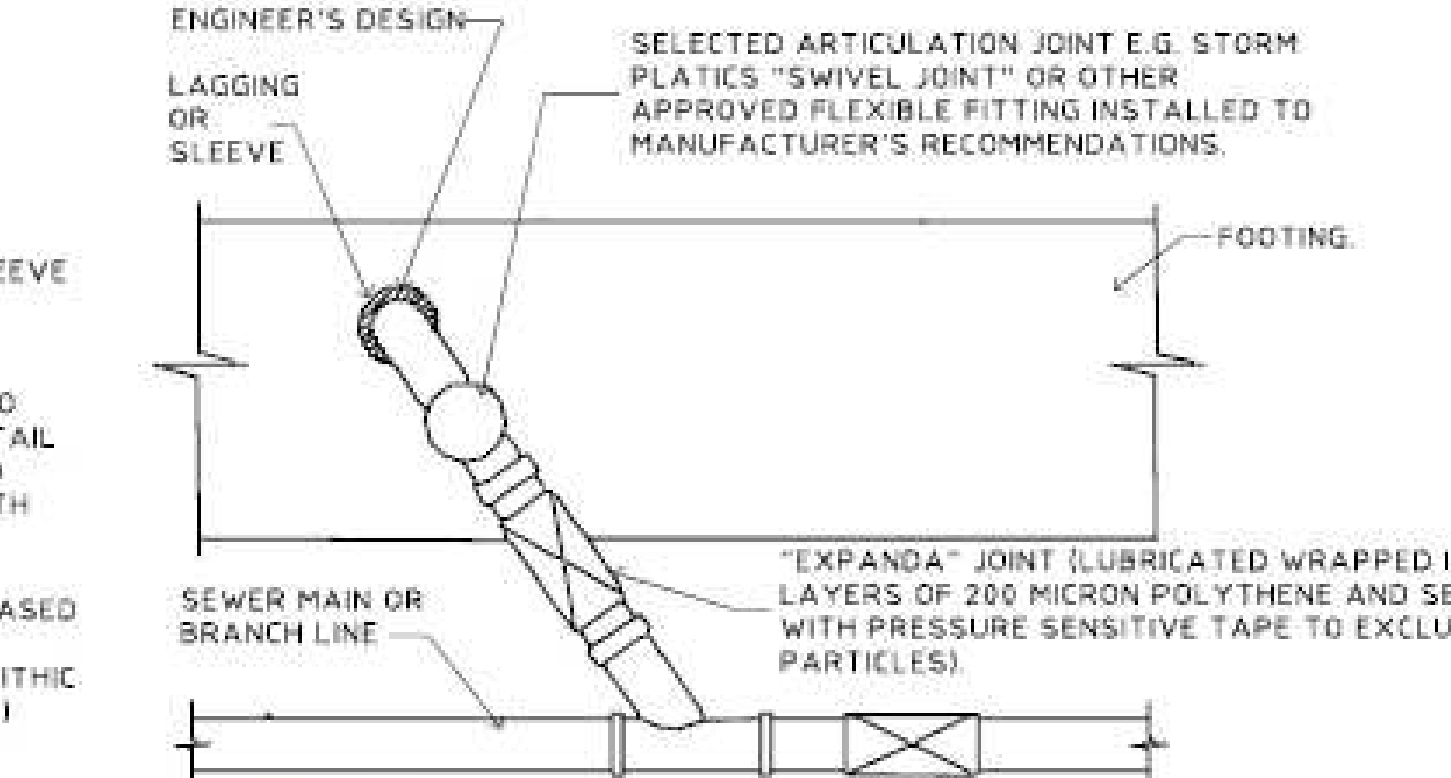
TYPICAL PIPE THROUGH FOOTING DETAIL - SECTION NTS



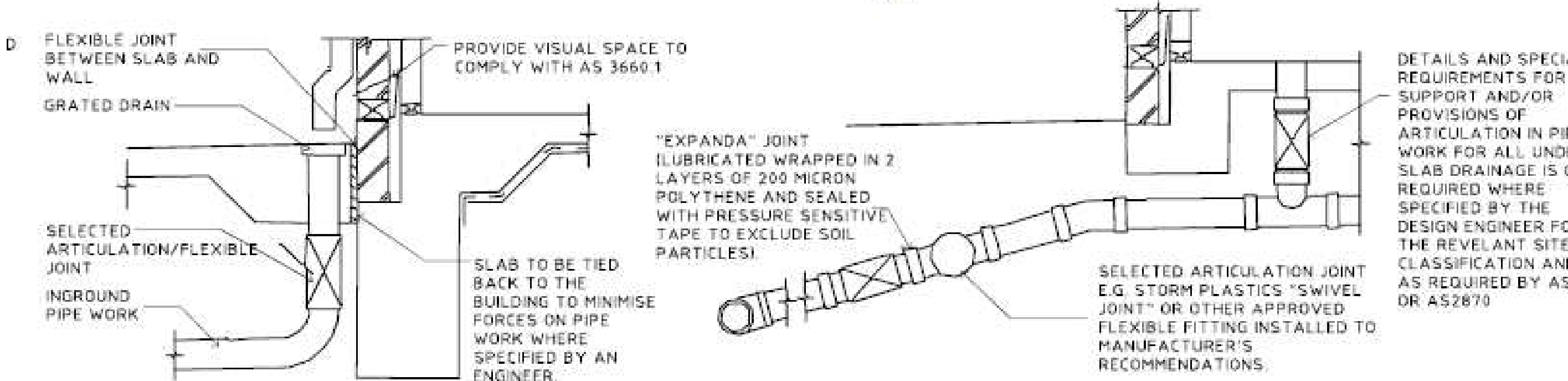
TYPICAL SECTION AT O.R.G. TO PREVENT SHEAR AT FOOTING FACE NTS



TYPICAL TRENCH DETAIL NTS



TYPICAL CONNECTION FROM PIPE WORK TO BRANCH LINE DETAIL NTS



DOWN PIPE TO GRATED DRAIN DETAIL NTS

TYPICAL UNDER SLAB-EDGE BEAM/WAFFLE POD DETAIL NTS

THE FOLLOWING NOTES AND DETAILS PROVIDED ARE A GUIDE ONLY FOR ARTICULATION FOR SANITARY PLUMBING, DRAINAGE AND SHOULD BE READ IN CONJUNCTION WITH AS/NZS 3500, AS2870 AND ANY OTHER RELEVANT STANDARD AND OTHER REQUIREMENTS OF THE B.C.A.

- ALL DRAINS INSTALLED IN GROUND THAT IS FILLED, UNSTABLE, EXPANSIVE (E.G. M, H1, H2, ALL DRAINS INSTALLED IN GROUND THAT IS FILLED, UNSTABLE, EXPANSIVE (E.G. M, H1, H2, E AND P SITES) OR WATER CHARGED AND WHERE SOIL MOVEMENT MAY EFFECT THE PERFORMANCE OF ANY DRAIN, A CERTIFIED PLAN AND SPECIFICATION SHOULD BE PROVIDED BY AN APPROPRIATELY QUALIFIED PERSON. WHEN A COMPLIANCE PERMIT AND ASSESSMENT IS REQUIRED BY THE LOCAL AUTHORITY, A SOIL REPORT AND ALL CALCULATIONS SHOWING PROPOSED METHOD TO PROTECT THE DRAINAGE FROM POTENTIAL GROUND MOVEMENTS MAY BE REQUIRED.
- ALL SEWER AND STORM WATER TO BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 3500 ALL SEWER AND STORM WATER TO BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 3500 AND THE REQUIREMENTS OF AS2870 SECTION 5: CLAUSE 5.5 AND SECTION 6: CLAUSE 6.6 ARTICULATION AND EXPANSION JOINTS ARE TO BE PROVIDED TO ACCOMMODATE MOVEMENT IN ALL PIPE WORK WITHIN 3.0M OF THE DWELLING AND COMPLY WITH AS1260.
- PLUMBING AND DRAINAGE UNDER THE SLAB SHOULD BE AVOIDED WHERE PRACTICAL (REFER PLUMBING AND DRAINAGE UNDER THE SLAB SHOULD BE AVOIDED WHERE PRACTICAL (REFER AS/NZS 3500 CLAUSE 4.10).
- GRADES IN PIPE WORK ON M, H1, H2, AND P SITES SHOULD HAVE A MINIMUM GRADE OF 1:30 GRADES IN PIPE WORK ON M, H1, H2, AND P SITES SHOULD HAVE A MINIMUM GRADE OF 1:30 WITHIN 1.5M OF THE BUILDING AND 1:60 ELSEWHERE. GRADES IN FLEXIBLE FITTINGS TO BE SET AT THE MINIMUM GRADE.
- ALL EXPANSION AND ARTICULATION JOINTS TO BE INSTALLED IN ACCORDANCE WITH ALL EXPANSION AND ARTICULATION JOINTS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ALL JOINTS TO BE SET MID POINT SO AS TO ALLOW FOR MAXIMUM IN EITHER DIRECTION.
- STORM PLASTICS (SA) PTY LTD "SWIVEL JOINTS" SHOULD NOT BE USED AS A BEND TO STORM PLASTICS (SA) PTY LTD "SWIVEL JOINTS" SHOULD NOT BE USED AS A BEND TO ACHIEVE CORRECT FALLS. THE JOINTS SHOULD BE SET IN A STRAIGHT LINE OF THE DRAIN TO ALLOW MAXIMUM (+) OR (-) MOVEMENT. A MINIMUM 15° BEND TO BE INSTALLED BEFORE SWIVEL JOINTS TO ACHIEVE MINIMUM GRADES FROM THE FACE OF THE FOOTINGS
- DETAIL AND SUPPORT OF TRAPS AT THE O.R.G. TO BE CONSIDERED ON SITE, TO ALLOW FOR DETAIL AND SUPPORT OF TRAPS AT THE O.R.G. TO BE CONSIDERED ON SITE, TO ALLOW FOR POTENTIAL MOVEMENTS INCLUDING ISOLATION AND ARTICULATION ASSOCIATED WITH PATHS AND PAVEMENTS. THE O.R.G. SHOULD BE CAST IN CONCRETE MONOLITHICALLY WITH THE FOOTING SYSTEM ON CLASS H1, H2 AND E SITES.
- ALL PVC PIPE WORK PASSING THROUGH CONCRETE MUST HAVE 25MM LAGGING. ALL PVC PIPE WORK PASSING THROUGH CONCRETE MUST HAVE 25MM LAGGING.
- STORM WATER SYSTEMS THAT COLLECT ROOF WATER AND SURFACE WATER ARE STORM WATER SYSTEMS THAT COLLECT ROOF WATER AND SURFACE WATER ARE REQUIRED TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS/NZS 3500 PART 5.
- THE USE OF CORRUGATED FLEXIBLE PVC PIPE PRODUCTS SHOULD BE AVOIDED ON CLASS H1, H2 AND E SITES AS THEY ARE NOT ABLE TO EXPAND LONGITUDINALLY TO ACCOMMODATE POTENTIALLY VERTICAL AND LATERAL MOVEMENTS AT THE SLAB OR FOOTING EDGE UNLESS SPECIFICALLY DETAILED BY THE MANUFACTURER.
- ALL JOINTS IN STORM WATER PIPES WITHIN 3.0M OF THE HOUSE UNDER CONSTRUCTION ALL JOINTS IN STORM WATER PIPES WITHIN 3.0M OF THE HOUSE UNDER CONSTRUCTION SHOULD BE ARTICULATED TO ACCOMMODATE GROUND MOVEMENTS WITHOUT LEAKAGE.
- SEPTIC TANKS AND ASSOCIATED SOAKAGE AREAS SHOULD BE LOCATED TO MINIMISE SOIL SEPTIC TANKS AND ASSOCIATED SOAKAGE AREAS SHOULD BE LOCATED TO MINIMISE SOIL MOISTURE INCREASES WITHIN THE FOUNDATION. JOINTS IN PLUMBING PIPES WITH 3.0M OF THE HOUSE UNDER CONSTRUCTION SHOULD BE ARTICULATED TO ACCOMMODATE GROUND MOVEMENTS WITHOUT LEAKAGE. SEPTIC TANKS IN PARTICULAR REQUIRE CAREFUL DETAILING.
- ALL PIPE WORK INCLUDING STORM WATER FITTINGS AND ADAPTERS SHOULD BE PROTECTED ALL PIPE WORK INCLUDING STORM WATER FITTINGS AND ADAPTERS SHOULD BE PROTECTED FROM MECHANICAL DAMAGE.
- TERMITE PROTECTION NOT SHOWN ON THESE DRAWINGS AS THERE ARE VARIOUS OPTIONS. REFER TO THE BUILDING DESIGNER.
- ALL DETAILS ARE INDICATIVE ONLY. DESIGN OF PATHS, FOOTINGS ETC. AND LOCATION OF ALL DETAILS ARE INDICATIVE ONLY. DESIGN OF PATHS, FOOTINGS ETC. AND LOCATION OF PENETRATIONS TO BE SPECIFIED BY AN ENGINEER.
- PROVISIONS SHOULD BE MADE FOR THE CONNECTION OF OVERFLOW OR WATER DISCHARGE PROVISIONS SHOULD BE MADE FOR THE CONNECTION OF OVERFLOW OR WATER DISCHARGE FROM FIXTURES SUCH AS H.W.S. AND A.C. TO A DRAIN AS REQUIRED BY THE RELEVANT LOCAL AUTHORITY.
- EXPECTED MINIMUM REQUIREMENTS FOR EXPANSION AND ALLOWABLE RELATION IN FITTINGS AS FOLLOWS:
 - SITE CLASSIFICATION: H1
 - MINIMUM REQ'D EXPANSION JOINT CAPACITY: 40mm
 - ALLOWABLE ROTATION: 15°