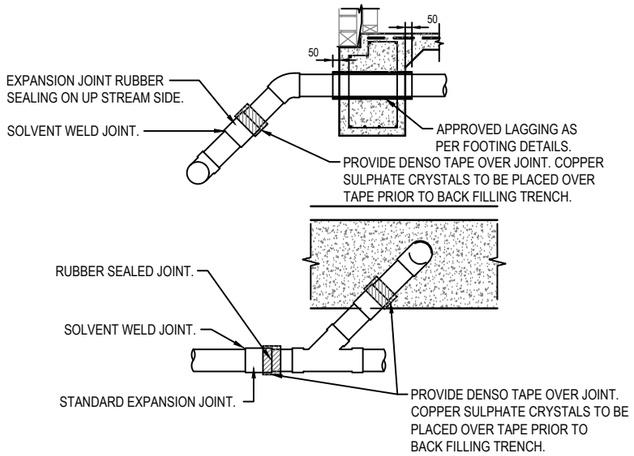
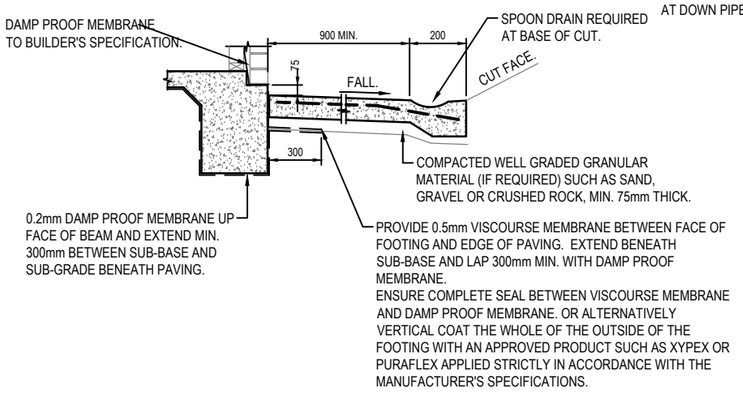


SEWER & STORMWATER DRAINS ON REACTIVE SOILS

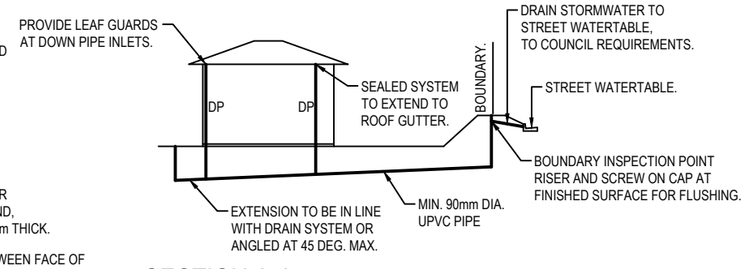
NOT TO SCALE

NOTES.
1. ALL PENETRATIONS THROUGH THE SLAB AND/OR ANY SUB BEAMS SHALL BE LAGGED WITH AN APPROVED MATERIAL AS PER FOOTING DETAILS.
2. SERVICE PENETRATIONS SHALL BE PERMITTED THROUGH THE MIDDLE THIRD OF THE EXTERNAL AND INTERNAL BEAMS. IF PENETRATIONS ARE TO BE MADE OUTSIDE THIS ZONE, THE STRENGTH AND STIFFNESS OF THE FOOTING SHALL BE RESTORED BY MAKING PROVISION FOR EXTRA BEAM DEPTH AND ADDITIONAL STEEL REINFORCEMENT.
3. CONNECTION OF STORMWATER DRAINS AND SEWER DRAINS SHALL INCLUDE FLEXIBLE CONNECTIONS FOR CLASS H-D AND E-D SITES, REFER TO DIAGRAM ABOVE. (CLAUSE 5.5.4(B) AS 2870-1996.)

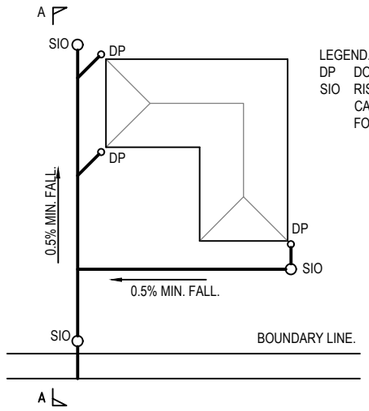


SECTION THROUGH PAVING AND SPOON DRAIN

NOT TO SCALE
SPOON DRAIN REQUIRED ONLY IF SPECIFIED ON SITEWORKS AND DRAINAGE PLAN.
NOTES.
1. EDGE DRAIN TO BE PROVIDED TO DIVERT RUN OFF WATER AWAY FROM BUILDING.
2. MINIMUM SLOPE OF PAVING,
CLASS S SITE - 1 IN 30 CROSS FALL.
CLASS M-D TO E-D SITE - 1 IN 20 CROSS FALL.

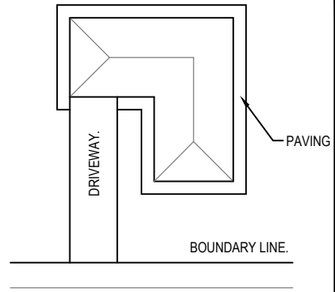


SECTION A-A



LEGEND.
DP DOWN PIPE.
SIO RISER WITH SCREW ON INSPECTION CAP AT FINISHED SURFACE LEVEL FOR FLUSHING PURPOSES.

PLAN VIEW OF SEALED SYSTEM

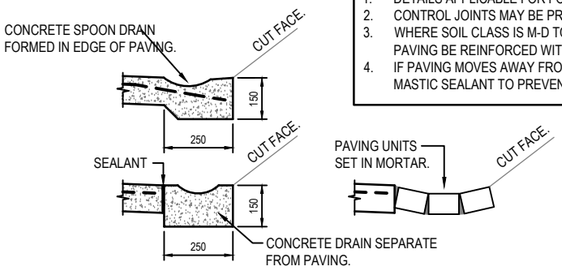


TYPICAL LAYOUT OF PAVING

NOT TO SCALE
PAVING REQUIREMENTS - 900mm MIN. WIDTH AROUND HOUSE.

SEALED SYSTEM DETAILS

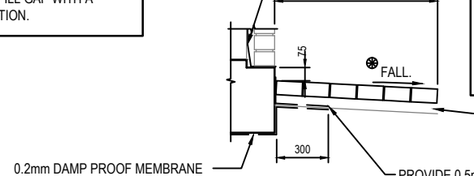
NOT TO SCALE
NOTES.
1. DO NOT USE SEAMED SHEET METAL DOWN PIPES OR FITTINGS WITH A SEALED SYSTEM.
2. SEALED SYSTEM TO BE CONSTRUCTED WITH SOLVENT WELDED JOINTS FOR UPVC PIPES AND STATIC TESTED BEFORE BACKFILLING TRENCHES.
3. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE SYSTEM BY REGULAR FLUSHING.
4. SIO ARE REQUIRED AT - FRONT BOUNDARY, LOWEST POINT AND DEAD END BRANCHES .



PAVING NOTES.
1. DETAILS APPLICABLE FOR FOOT AND BICYCLE TRAFFIC ONLY.
2. CONTROL JOINTS MAY BE PROVIDED AT MAX. 2000mm CTS. EACH WAY.
3. WHERE SOIL CLASS IS M-D TO E-D, IT IS RECOMMENDED THAT CONCRETE PAVING BE REINFORCED WITH SL72 FABRIC. 30mm COVER TO TOP FACE.
4. IF PAVING MOVES AWAY FROM THE FOOTING EDGE FILL GAP WITH A MASTIC SEALANT TO PREVENT MOISTURE PENETRATION.

SPOON DRAIN DETAILS

NOT TO SCALE
NOTE.
APPLICABLE FOR CONCRETE PAVING AND UNIT PAVING.



MINIMUM SLOPE OF PAVING,
CLASS S SITE - 1 IN 30 CROSS FALL.
CLASS M-D TO E-D SITE - 1 IN 20 CROSS FALL.

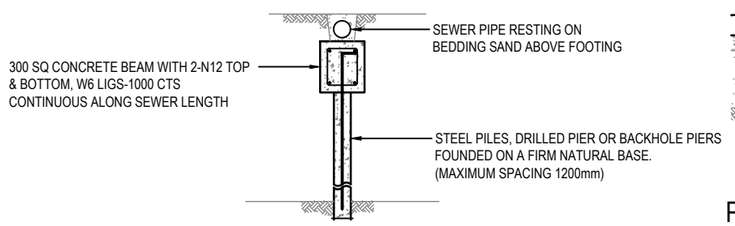
SECTION THROUGH CONCRETE PAVING

NOT TO SCALE

NOTE.
THE DAMP PROOF COURSE SHALL NOT BE LESS THAN 75mm ABOVE ADJACENT FINISHED PAVING.
A 50mm HEIGHT DIFFERENCE BETWEEN THE DAMP PROOF COURSE AND ADJACENT PAVING IS PERMITTED WHERE THE PAVING IS PROTECTED FROM DIRECT WEATHER BY A CARPORT, VERANDAH OR THE LIKE.

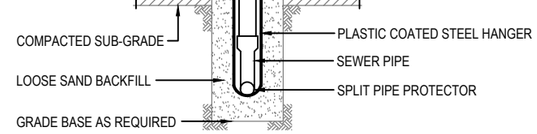
SECTION THROUGH UNIT PAVING

NOT TO SCALE



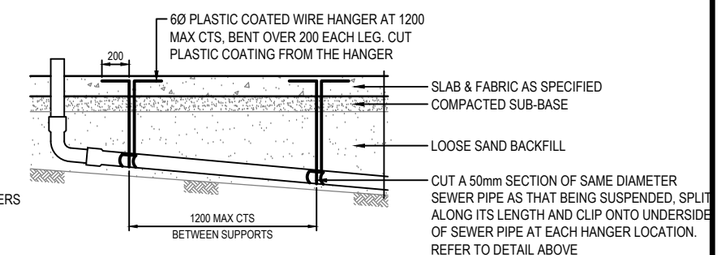
PLUMBING OUTSIDE RAFT SLAB

N.T.S



PLUMBING BENEATH RAFT SLAB FOR FILLED SITE-SECTION THROUGH

N.T.S



PLUMBING BENEATH RAFT SLAB FOR FILLED SITE - ELEVATION

N.T.S

REVISION			
ISSUE	DATE	DESCRIPTION	INITIAL
P1	11.9.18	ISSUED FOR CLIENT REVIEW	HN
T1	18.10.18	ISSUED FOR TENDER	HN

ISSUED FOR TENDER
NOT FOR CONSTRUCTION

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PROJECT
LOT 52 RESERVOIR ROAD
PARADISE (STAGE 4)

CLIENT
MR PAT BELPERIO

DRAWING TITLE
GENERIC CIVIL DETAILS

DO NOT SCALE FROM THIS DRAWING

DRAFTER	ENGINEER	MANAGER
HN	CO	TH

DATE	PROJECT NUMBER	DRAWING SCALE
Sep-18	2018-7944	NTS

DRAWING NUMBER	SHEET SIZE	REV
S13	A3	T1