

PILE LOAD SCHEDULE

LOAD MARK	DESIGN LOADS (KN) (ULTIMATE)			
	SHEAR FORCE Fx	SHEAR FORCE Fy	AXIAL FORCE Fz	
			COMP	TENS
P90	30	30	970	-
P91	30	30	970	-
P92	30	30	1000	-
P93	30	30	1000	-
P94	30	30	1000	-
P95	30	30	1000	-
P96	30	30	970	-
P97	30	30	970	-
P98	30	30	730	-
P99	30	30	730	-
P100	30	30	930	-
P101	30	30	930	-
P102	30	30	930	-
P103	30	30	930	-
P104	30	30	730	-
P105	30	30	730	-
P106	30	30	700	-
P107	30	30	700	-
P108	30	30	1050	-
P109	30	30	1050	-
P110	30	30	1050	-
P111	30	30	1050	-
P112	30	30	700	-
P113	30	30	700	-
P114	30	30	600	-

CONCRETE COLUMN SCHEDULE (west)

MARK	SIZE	REMARKS
1C1	400 x 900	CONCRETE COLUMN
1C2	600 x 350	CONCRETE COLUMN
1C3	600 x 350	CONCRETE COLUMN
2C1	600 x 350	CONCRETE COLUMN
2C2	600 x 350	CONCRETE COLUMN
BC1	400 x 900	CONCRETE COLUMN
BC2	400 x 900	CONCRETE COLUMN
BC3	600 x 350	CONCRETE COLUMN
CC1	600 x 350	CONCRETE COLUMN
GC1	400 x 900	CONCRETE COLUMN
GC2	600 x 350	CONCRETE COLUMN

STRIP FOOTING SCHEDULE

MEMBER	WIDTH	DEPTH	REINFORCEMENT
SF1	400	800	3N16 TOP & BTM, W8-800 LIGS.
SF2	300	600	3N12 TOP & BTM, W6-800 LIGS.

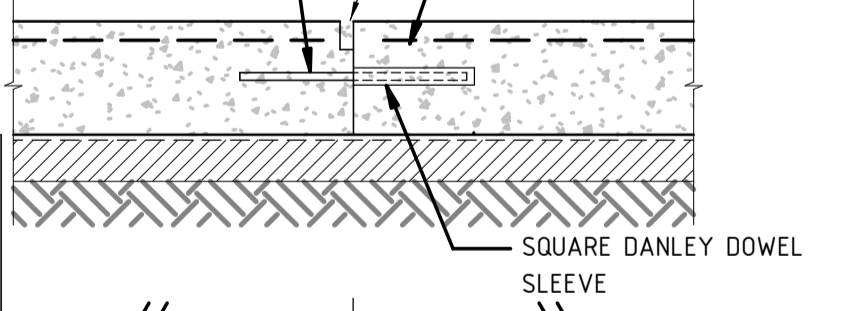
PILE CAP SCHEDULE

MEMBER	LENGTH	WIDTH	THICKNESS	REINFORCEMENT
PC1	3650	3335	900	N28-150 EW, TOP & BTM.
PC2	3650	1300	750	N28-150 TOP & BTM. 2/M16-150 LIGS.
PC3	3650	3650	1100	N28-150 EW, TOP & BTM.
PC4	1300	1300	600	N24-200 EW, TOP & BTM.
PC5	6600	4050	1100	N24-200 EW, TOP & BTM.
PC6	6850	6850	1100	N24-200 EW, TOP & BTM.

NOTE:

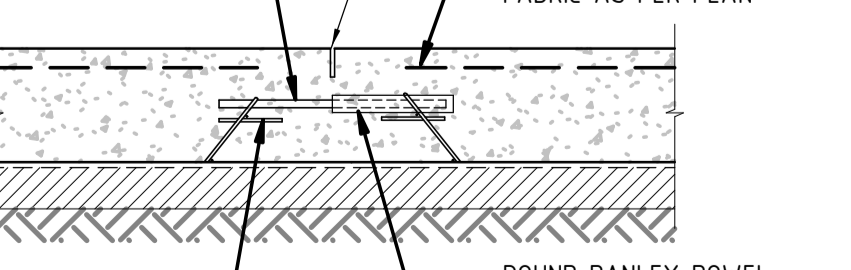
1. DOWELS TO BE ALIGNED AT 90° TO JOINT & HORIZONTAL
2. NO DOWELS WITHIN 200mm OF INTERSECTION OF JOINTS
3. USE BLACK DOWELS FOR INTERNAL SLABS
4. USE GALVANISED DOWELS FOR EXTERNAL SLABS
5. ENSURE THE 4mm TRAVEL BARS ARE CUT PRIOR

16x16 SQUARE DANLEY DOWEL 400 LONG AT 300 CTS (BLACK/GALV), OR DANLEY PD3 DOWELS, PD310450130 (BLACK/GALV), THICKNESS OF SLAB VARIES, SUPPLIER TO CONFIRM HEIGHT OF CRADLES. FOR DETAILS REFER TO DANLEY CONSTRUCTION PRODUCTS.



SLAB JOINT DETAIL NOT TO SCALE (WHERE SLAB POUR IS STAGED)

16x16 SQUARE DANLEY DOWEL 400 LONG AT 300 CTS (BLACK/GALV), OR DANLEY PD3 DOWELS, PD310450130 (BLACK/GALV), THICKNESS OF SLAB VARIES, SUPPLIER TO CONFIRM HEIGHT OF CRADLES. FOR DETAILS REFER TO DANLEY CONSTRUCTION PRODUCTS



SUPPORTED ON DANLEY DOWEL CRADLE OR SIMILAR APPROVED.

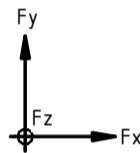
SLAB JOINT DETAIL NOT TO SCALE (WHERE SLAB POUR IS CONCURRENT)

PILE DESIGN & INSTALLATION NOTES:

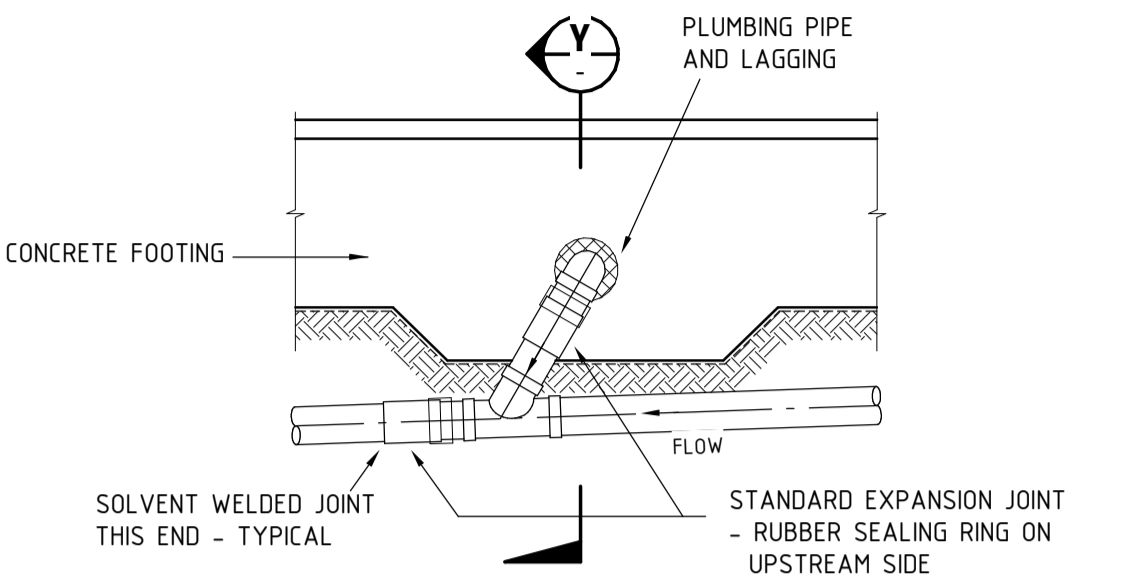
1. ALL LOADS ARE IN KN & ULTIMATE LOADS
2. DESIGN LIFE OF PILES - 50 YEARS
3. THE PILING INSTALLATION SHALL BE TO AS2159-2009 FOR THE LOADS TABULATED.
4. THIS IS A DESIGN & CONSTRUCT CONTRACT THE PILING CONTRACTOR TO PROVIDE CERTIFICATION CONFIRMING THAT THE PILE DESIGN CONFORMS TO AS2159-2009 & THAT THE PILES HAVE BEEN INSTALLED TO ACHIEVE THE DESIGN LOADS.
5. CUT-OFF LEVELS OF THE PILES SHALL BE PROVIDED TO THE CONTRACTOR.
6. THE CONTRACTOR SHALL SUBMIT WITH HIS TENDER A SET-OUT DRAWING SHOWING PILE LOCATIONS & CAPACITIES.
7. THE PILING TENDER SHALL INCLUDE A SCHEDULE OF PILING RATES WITH THE TENDER.
8. FOR MULTIPLE PILE SOLUTIONS CONTRACTOR TO ALSO PROVIDE PILE CAP DETAILS AS PART OF THE PROPOSED PILING METHOD.

LEGEND:

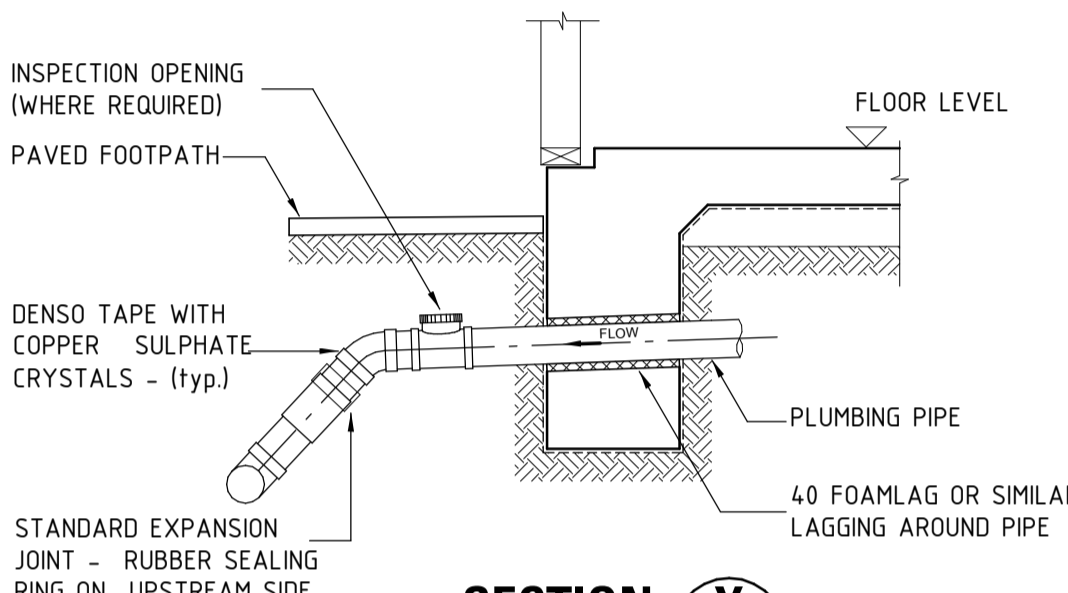
- ☐ DENOTES COLUMN ABOVE (BOLD TEXT)
- ☐ DENOTES COLUMN UNDER
- - - - - DENOTES CONTROL JOINT. REFER TYPICAL DETAIL ON 20492-S03.



LOAD DIRECTION



PLUMBING PIPE EXPANSION JOINT DETAIL



SECTION Y

SCALE 1:20

PLUMBING PIPE EXPANSION JOINT FOR REACTIVE SOILS

DUE TO THE MOISTURE REACTIVE NATURE OF SOILS ON THIS SITE IT IS OUR ADVICE THAT THE PLUMBING INCLUDE STANDARD EXPANSION TYPE JOINT COUPLINGS IN THE FOLLOWING POSITIONS, EXTERNAL TO THE BUILDING:

1. AT EACH 100mm UPVC OR GREATER TAKE-OFF POINT FROM THE BUILDING A FLEXIBLE COUPLING MUST BE FITTED TO THE VERTICAL OR INCLINED RISER FROM THE MAIN WITH AN ADDITIONAL FLEXIBLE COUPLING ADJACENT THE POINT OF CONNECTION OF SAME ONTO THE MAIN RUN ON THE DOWNSTREAM SIDE.
2. JOINTS SO FORMED MUST BE SEALED TO PROTECT AGAINST PLANT ROOT AND GRIME INTRUSION BY WRAPPING WITH DENSO TAPE OVER A 50mm LENGTH BEYOND THE JOINT ON EITHER SIDE. THE DENSO TAPE MUST FIRST BE LAID OUT IN STRAIGHT LENGTHS AND SPRINKLED WITH COPPER SULPHATE CRYSTALS PRIOR TO WRAPPING.

02.07.19	ISSUED FOR TENDER	T
Date	Revision	Issue

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Designer	RW	Drawn	82 & MM
Approved	Approver	Date	02/07/2019 1:00:28 PM
		Sheet	

Project <b>HYDE PARK PLACE 248 UNLEY ROAD, HYDE PARK SA</b>		N <div><div></div><div>+</div></div>
Client <b>CITYFY &amp; BFC PTY LTD</b>		
Drawing Title <b>BASEMENT LAYOUT PLAN</b>		Scale As indicated
Drawing Number <b>20492-S03</b>		Issue <b>T</b>