



PIPE NOMINAL DIAMETER	450mmØ	600mmØ	750mmØ
A1	1000	1300	1600
A2	600	750	900
B1	843	1016	1189
B2	2536	3032	3529
C1	1310	1460	1610
C2	850	1000	1150

1. ALL CONCRETE FLOOR SLABS TO BE CLASS 25/19 MPa CONCRETE.
2. ALL CONCRETE BENCHINGS TO BE CLASS 20/13
3. ALL STORMWATER PIPES TO BE A MINIMUM NOMINAL DIAMETER OF 450mm
4. ALL EXPOSED CONCRETE EDGES TO BE ROUNDED WITH A NOSING TOOL.
5. BLINDING LAYER TO BE A MINIMUM THICKNESS OF 50mm.
6. MINIMUM COVER OF REINFORCING TO BE 40mm.
7. POINT OF ANCHORAGE TO BE DIRECTLY ABOVE THE POINT OF ADJOINING STORMWATER PIPES.
8. STORMWATER STRUCTURE IN ACCORDANCE WITH SABS 1200L
9. DISSIPATION BLOCKS OR BARRIER WITH 40mm PVC PIPES TO BE CONSTRUCTED ON OUTLET STRUCTURES FOR PIPE DIAMETER
10. 750mm INSTRUCTED BY THE ENGINEER ON SITE.
11. GABION & RENO MATTRESSES MUST BE PLACED AS INSTRUCTED BY THE ENGINEER ON SITE.



DEPTH ("D")	WALL THICKNESS ("W")	SLAB THICKNESS ("S")	MESH REF	WIRE SIZE
< 1.5m	230mm	150mm	395	8mm
1.5 - 2.5m	230mm	150mm	395	8mm
2.5 - 3.5m	250mm RC	200mm	617	10mm
3.5 - 4.5m	250mm RC	200mm	617	10mm

DEPTH ("D")	WALL THICKNESS ("W")	SLAB THICKNESS ("S")	MESH REF	WIRE SIZE
< 1.5m	230mm	150mm	395	8mm
1.5 - 2.5m	230mm	150mm	395	8mm
2.5 - 3.5m	250mm RC	200mm	617	10mm
3.5 - 4.5m	250mm RC	200mm	617	10mm



Ø _a *	DISTANCE "P"***	1.25 x "P"
450	1000	1250
525	1000	1250
600	1000	1250
750	1100	1380
825	1300	1630
900	1400	1750
1050	1500	1880
1200	1700	2130
1350	1800	2250
1500	2000	2500

* DIAMETER OF OUTGOING PIPE
 ** EFFECTIVE WIDTH WITHIN JUNCTION BOX

DEPTH ("D")	WALL THICKNESS ("W")	SLAB THICKNESS ("S")	MESH REF.	WIRE SIZE
< 1.5 m	230mm	150mm	395	8mm
1.5 - 2.5m	230mm	150mm	395	8mm
2.5 - 3.5m	250mm RC	200mm	617	10mm
3.5 - 4.5m	250mm RC	200mm	617	10mm
4.5 - 5.5m	250mm RC	300mm	888	12mm
> 5.5m	250mm RC	300mm	888	12mm

DEPTH ("D")	WALL THICKNESS ("W")	SLAB THICKNESS ("S")	MESH REF.	WIRE SIZE
< 1.5 m	230mm	150mm	395	8mm
1.5 - 2.5m	230mm	150mm	395	8mm
2.5 - 3.5m	250mm RC	200mm	617	10mm
3.5 - 4.5m	250mm RC	200mm	617	10mm
4.5 - 5.5m	250mm RC	300mm	888	12mm
> 5.5m	250mm RC	300mm	888	12mm



- LEGEND:**
- SETTING OUT NODE
- NOTES:**
1. THE SOFFITS OF PIPES ARE LEVEL OR LOWER IN THE DIRECTION
 2. REFER TO TABLE 2 FOR SLOPE ACCORDING TO DEPTH OF
 3. ALL CONCRETE FLOOR SLABS SHALL BE 150 mm CONCRETE
 4. ALL CONCRETE BENCHING
 5. ALL BRICKWORK TO BE PLUMB AND TRUE
 6. REFER TO SECTION 502 FOR SPECIFICATIONS FOR MURDER ENGINEERING WORKS
 7. ALL STORMWATER PIPES NOMINAL DIAMETER OF 450
 8. ALL EXPOSED ENDS OF PIPES WITH A NOSING TOL
 9. BRICK FORCE TO BE PLACED
 10. EXPOSED
 11. BLINDING LAYER TO BE A 50mm
 12. ALL PRECAST MANHOLE COMPLIANT WITH THE REQUIREMENTS OF MANHOLE
 13. POSITION OF MANHOLE ABOVE THE PI OF ADJACENT
 14. ALL CONCRETE MANHOLE LETTERS "SS" FORMING TOP. EACH LETTER SHALL 75mm HIGH
 15. PLAY OUT TYPE 1A CASING PLACED IN TRAFFICED AREA

- LEGEND:**
- NOTES:**
- SETTING OUT NODE
1. ALL CONCRETE FLOOR SLABS TO BE CLASS 25/19 MPa CONCRETE
 2. ALL CONCRETE BENCHING TO BE CLASS 20/13
 3. ALL EXPOSED CONCRETE EDGES TO BE ROUNDED WITH A ROUNDED TOOL
 4. BLINDING LAYER TO BE A MINIMUM THICKNESS OF 50mm.
 5. MINIMUM COVER OF REINFORCING TO BE 40mm.
 6. STORMWATER STRUCTURE IN ACCORDANCE WITH SABS 1200
 7. DISAPPORTATION BLOCK OR BARRIER WITH 40mm PVC PIPES TO BE CONSTRUCTED ON OUTLET STRUCTURES FOR PIPE DIAMETER >750mm Ø AS INSTRUCTED BY THE ENGINEER ON SITE.
 8. GABION & RENO MATRESSES MUST BE PLACED AS INSTRUCTED BY THE ENGINEER ON SITE.
 9. GABION & RENO MATRESSES TO BE GALVANISED.

CLIENT:



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SCALE	AS SHOWN	DRAWING NUMBER LIH202223/SW/002	REV
DATE	NOVEMBER 2022		00
DESIGNED:	S.T NKABINDE		
DRAWN:	V.M NKOSI		
CHECKED:	L.S MTHETHWA		
APPROVED:	S.T NKABINDE		