




*PROPOSED RESIDENTIAL
DEVELOPMENT*

*MECHANICAL SERVICES
DRAWINGS*

LEGEND

SYMBOL	DESCRIPTION
	WATER SUPPLY PIPE
	SOIL PIPE
	WASTE PIPE
	CHAMBER
	WATER CLOSET
	WASH HAND BASIN
	SHOWER BASIN
	DRAIN SOIL TRAP

ABBREVIATIONS

CW	COLD WATER
HW	HOT WATER
FU	FIXTURE UNIT
GPM	GALLON PER MINUTE
DWS	DOMESTIC WATER SUPPLY
WAS	WASTE WATER EXTRACT PIPE
SLP	SOIL WATER EXTRACT PIPE

NOTE :

PROJECT TITLE PROPOSED RESIDENTIAL DEVELOPMENT		ARCHITECT	FASEMI A.	DRAWING TITLE: LEGENDS	
		DRAWN BY	IWEIBO S.E		
CLIENT	MR. ADEWALE ALFRED AFOLABI	CHECKED BY		DRAWING SCALE: N.T.S.	DRAWING NO: M01
LOCATION	ALAGBAKA, AKURE, ONDO STATE.	APPROVED BY			
		DATE	MARCH, 2022.		

GENERAL NOTES

- 1) ALL PLUMBING WORKS SHALL INSTALLED IN ACCORDANCE TO NATIONAL PLUMBING CODE OF NIGERIA.
- 2) ALL PIPING WORK DONE IN WALLS MUST BE SEALED OFF ON COMPLETION OF FITTINGS.
- 3) TO PREVENT CONTAMINATION OF UNDERGROUND WATER SOURCE, THE SEPTIC TANK SHOULD NOT BE LOCATED LESS THAN 1.20m ABOVE THE WATER TABLE LEVEL.
- 4) WASTE PIPE SHOULD BE OF CPVC(CHLORINATED POLY-VINYL CHLORIDE) UNLESS STATED OTHERWISE.
- 5) SUPPLY PIPE SHOULD BE MADE OF CPVC(CHLORINATED POLY-VINYL CHLORIDE), OR OTHERWISE STATED.

OVERHEAD WATER TANK STORAGE CALCULATIONS FOR 3 B/R

NO. OF LITRES PER HEAD PER 24 HR USAGE	135 LITRES
NO. OF OCCUPANTS	10 USERS
TOTAL REQUIRED	1350 LITERS

*NO OF USERS ASSUMED TO BE 10. FIGURE IS SUSCEPTIBLE TO CHANGE.

* A PROVISION OF 2000 LITER CAPACITY OVERHEAD TANK IS ADVISED TO BE USED.

PUMPING POWER

FLOW RATE	0.063ltrs/sec
TOTAL HEAD	5.0m

*RECOMMENDED TO INSTALL A PUMPING MACHINE WITH A MINIMUM RATING OF 1HP.

OVERHEAD WATER TANK STORAGE CALCULATIONS FOR 2 B/R

NO. OF LITRES PER HEAD PER 24 HR USAGE	135 LITRES
NO. OF OCCUPANTS	5 USERS
TOTAL REQUIRED	675 LITERS

*NO OF USERS ASSUMED TO BE 5. FIGURE IS SUSCEPTIBLE TO CHANGE.

* A PROVISION OF 2000 LITER CAPACITY OVERHEAD TANK IS ADVISED TO BE USED.

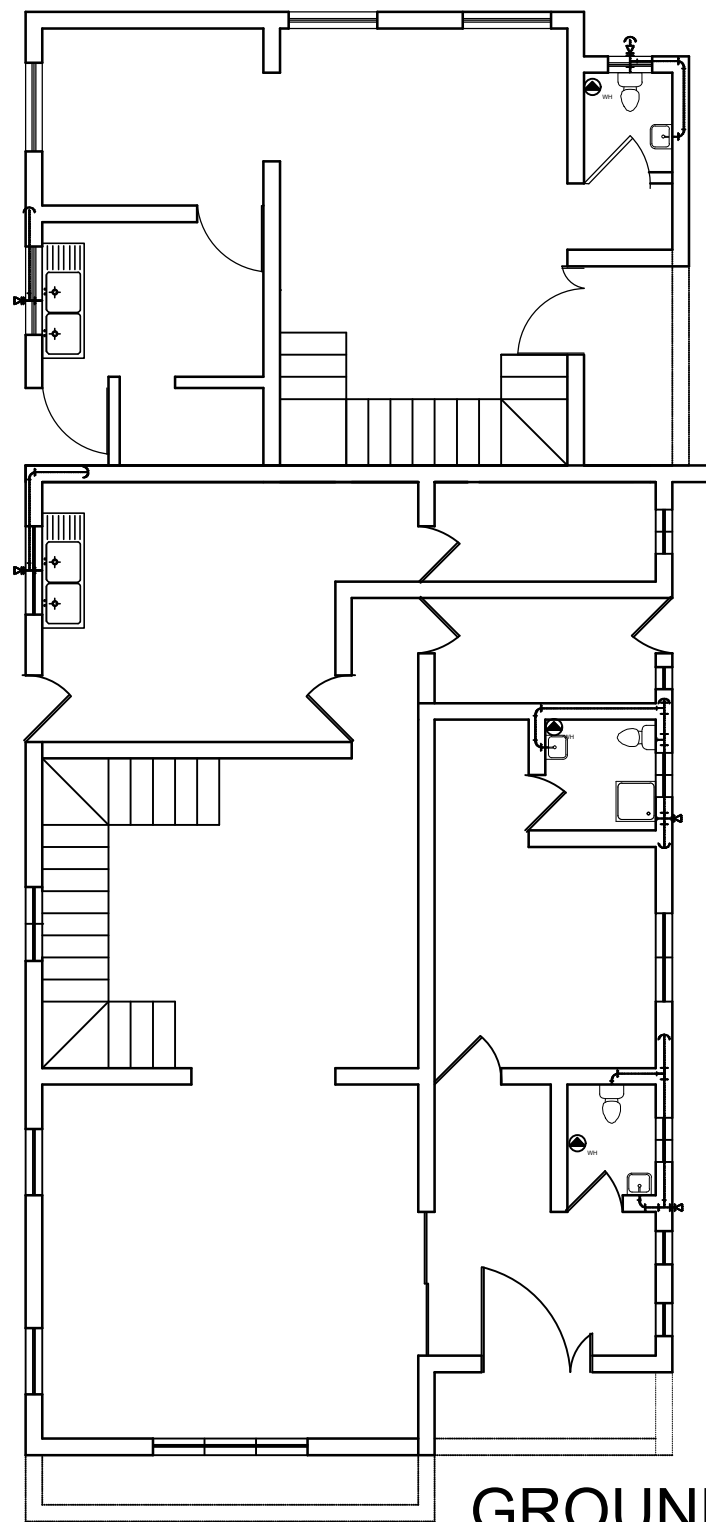
NOTE :

PROJECT TITLE	PROPOSED RESIDENTIAL DEVELOPMENT	ARCHITECT	FASEMI A.	DRAWING TITLE: GENERAL NOTES	
		DRAWN BY	IWEIBO S.E		
CLIENT	MR. ADEWALE ALFRED AFOLABI	CHECKED BY		DRAWING SCALE: N.T.S.	DRAWING NO: M02
LOCATION	ALAGBAKA, AKURE, ONDO STATE.	APPROVED BY			
		DATE	MARCH, 2022.		

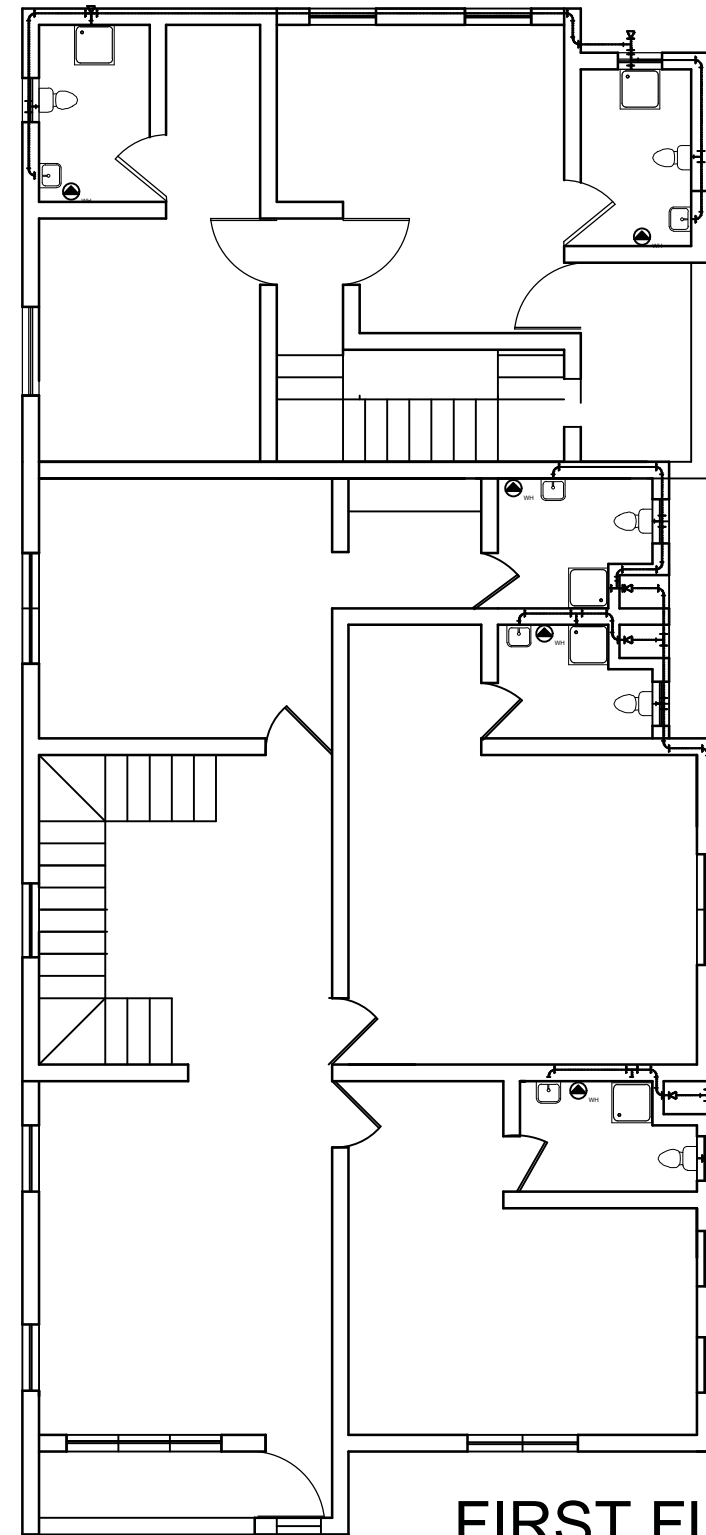
WATER AND WASTE MAINS CALCULATIONS						
FIXTURE TYPE	NO.	WASTE		WATER		
				CW	HW	
			FU	TOTAL	FU	FU
SHOWER AND SHOWER TUB	6	2	12	2	2	12
WASH HAND BASIN (W.H.B)	8	2	16	1	1	8
KITCHEN SINK	2	2	4	1.5	1.5	3
WATER CLOSET	8	4	32	3		24
TOTAL FIXTURE UNITS			64			47
MINIMUM REQUIRED `WATER` PIPE SIZE (INCHES)						1.0
MINIMUM REQUIRED `WASTE` PIPE SIZE (INCHES)						3.0

NOTE :

PROJECT TITLE	PROPOSED RESIDENTIAL DEVELOPMENT	ARCHITECT	FASEMI A.	DRAWING TITLE:	
		DRAWN BY	IWEIBO S.E	FIXTURE UNIT AND PIPING SIZING	
CLIENT	MR. ADEWALE ALFRED AFOLABI	CHECKED BY		DRAWING SCALE:	DRAWINNG NO:
LOCATION	ALAGBAKA, AKURE, ONDO STATE.	APPROVED BY			
		DATE	MARCH, 2022.	N.T.S.	M03



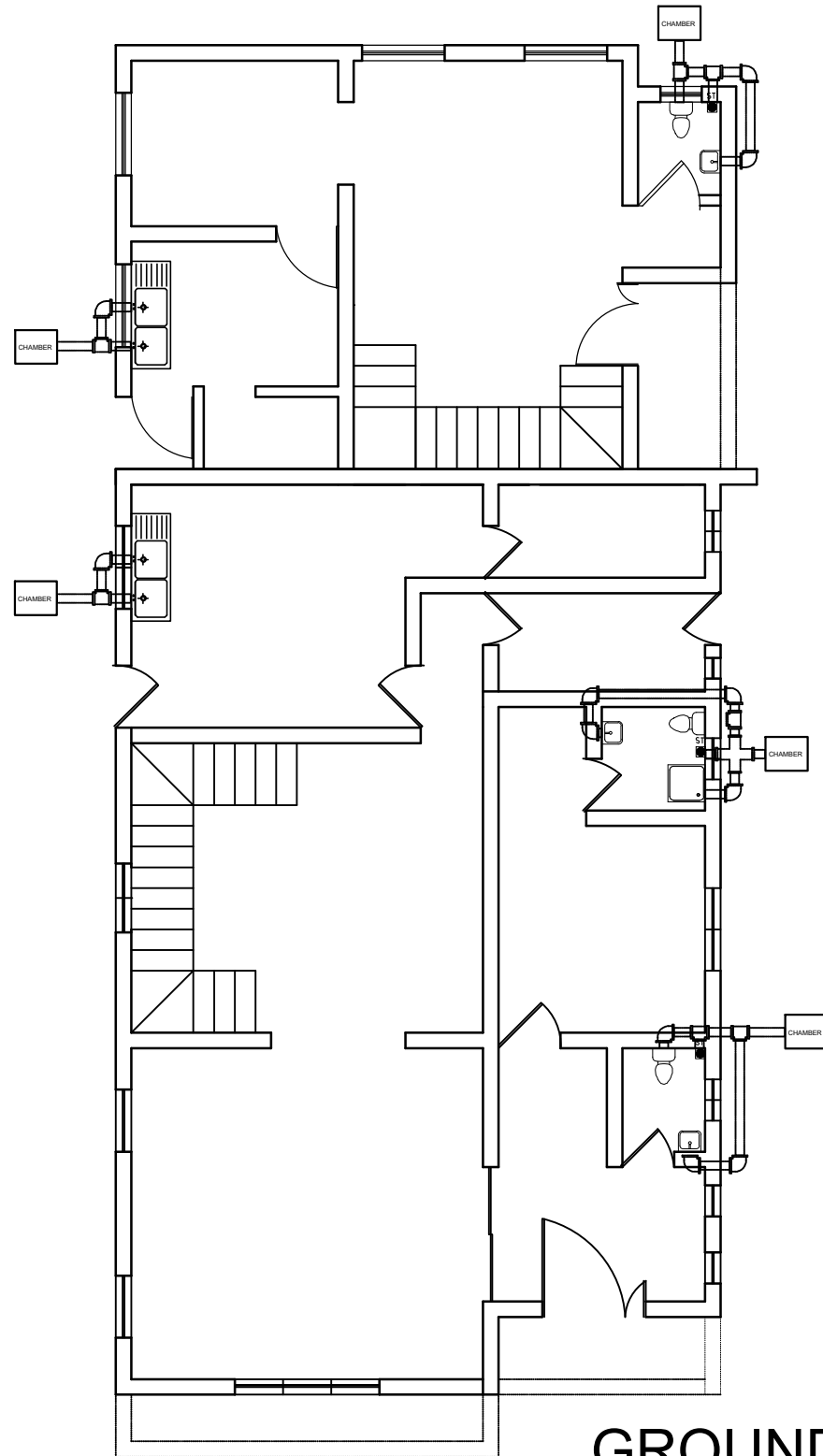
GROUND FLOOR



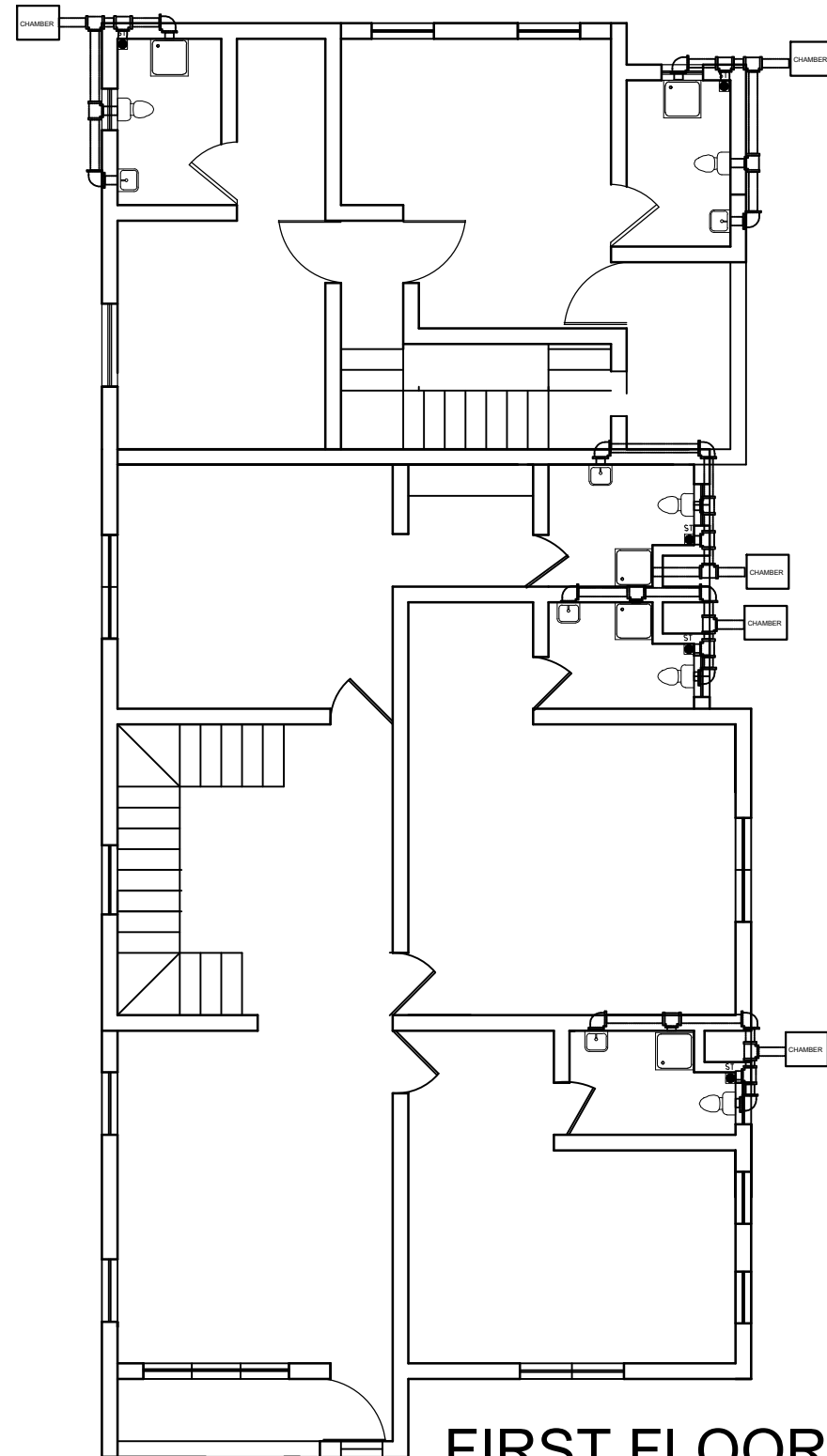
FIRST FLOOR

NOTE :

PROJECT TITLE PROPOSED RESIDENTIAL DEVELOPMENT		ARCHITECT	FASEMI A.	DRAWING TITLE: WATER SUPPLY PLAN	
		DRAWN BY	IWEIBO S.E		
CLIENT	MR. ADEWALE ALFRED AFOLABI	CHECKED BY		DRAWING SCALE: N.T.S.	DRAWING NO: M04
LOCATION	ALAGBAKA, AKURE, ONDO STATE.	APPROVED BY			
		DATE	MARCH, 2022.		



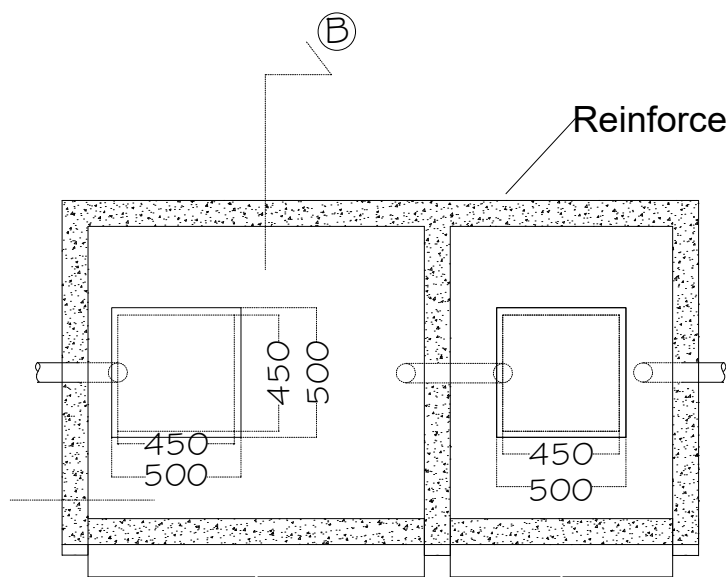
GROUND FLOOR



FIRST FLOOR

NOTE :

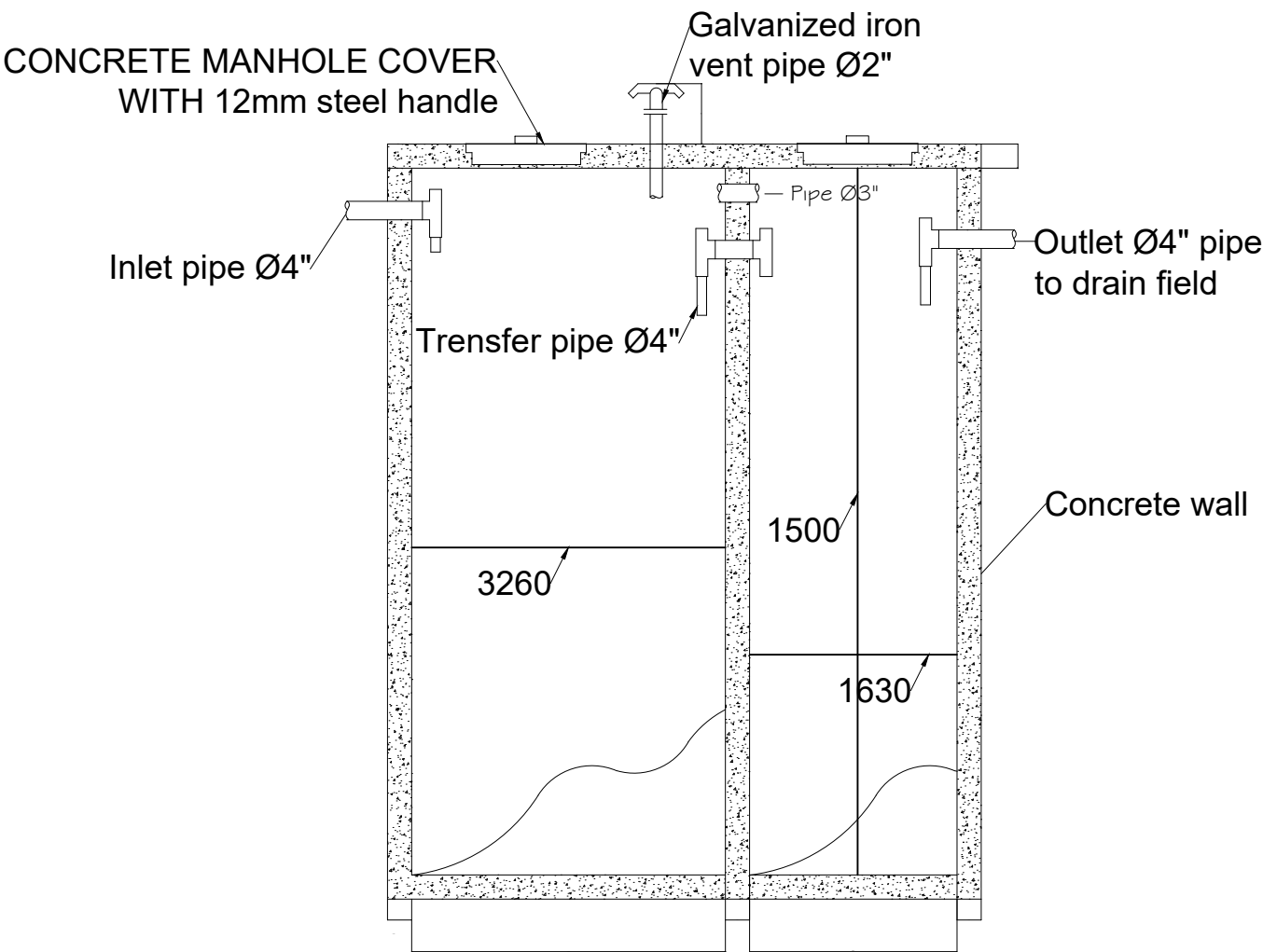
PROJECT TITLE PROPOSED RESIDENTIAL DEVELOPMENT		ARCHITECT	FASEMI A.	DRAWING TITLE: WASTE EXTRACT PLAN	
		DRAWN BY	IWEIBO S.E		
CLIENT	MR. ADEWALE ALFRED AFOLABI	CHECKED BY		DRAWING SCALE: N.T.S.	DRAWING NO: M05
LOCATION	ALAGBAKA, AKURE, ONDO STATE.	APPROVED BY			
		DATE	MARCH, 2022.		



PLAN OF SEPTIC TANK

SEPTIC TANK CALCULATIONS	
NO. OF LITRES PER HEAD PER 24 HR USAGE	360 LITRES
NO. OF OCCUPANTS	20 USERS
LIQUID DEPTH	2700mm <=> 2.7m
FLOOR AREA (COMPARTMENT 1)	5.31sqm
LENGTH (COMPARTMENT 1)	3.26m
BREATH (COMPARTMENT 1)	1.63m
FLOOR AREA (COMPARTMENT 2)	2.66sqm
LENGTH (COMPARTMENT 2)	1.63m
BREATH (COMPARTMENT 2)	1.63m

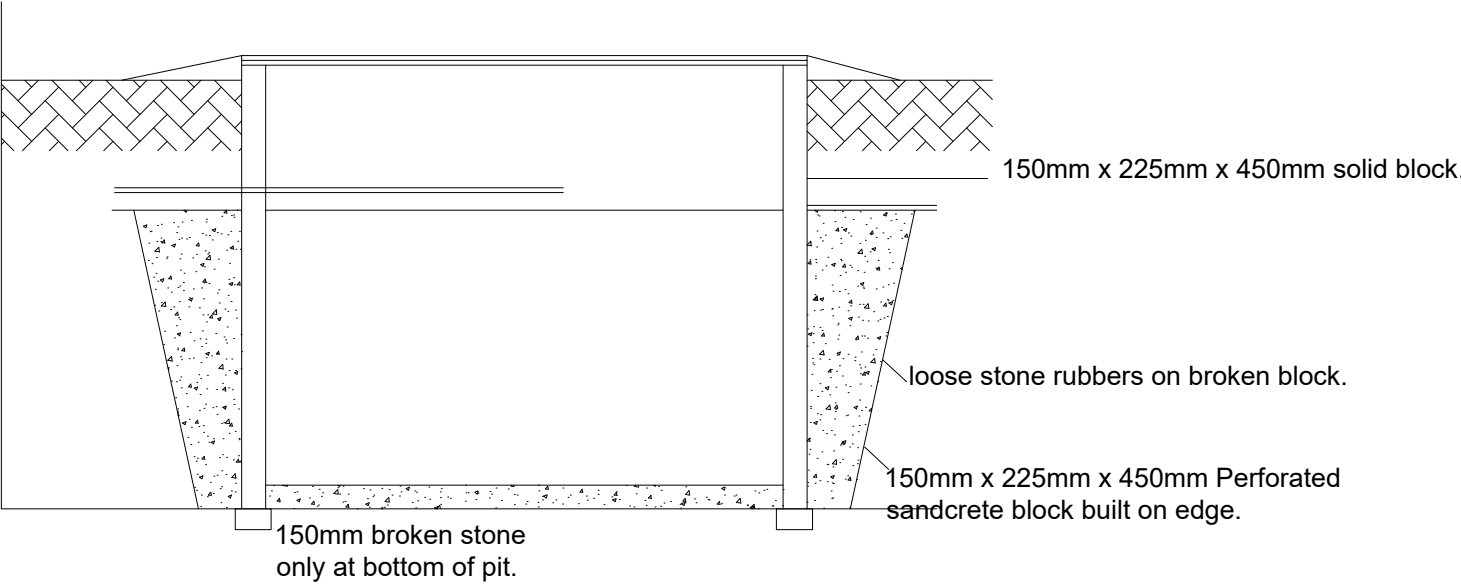
*NO OF USERS ASSUMED TO BE 20. FIGURE IS SUSCEPTIBLE TO CHANGE.
 *CLEANIGN OF SEPTIC TANK SHOULD DONE EVERY 6 YEARS.



Section A-A

NOTE :

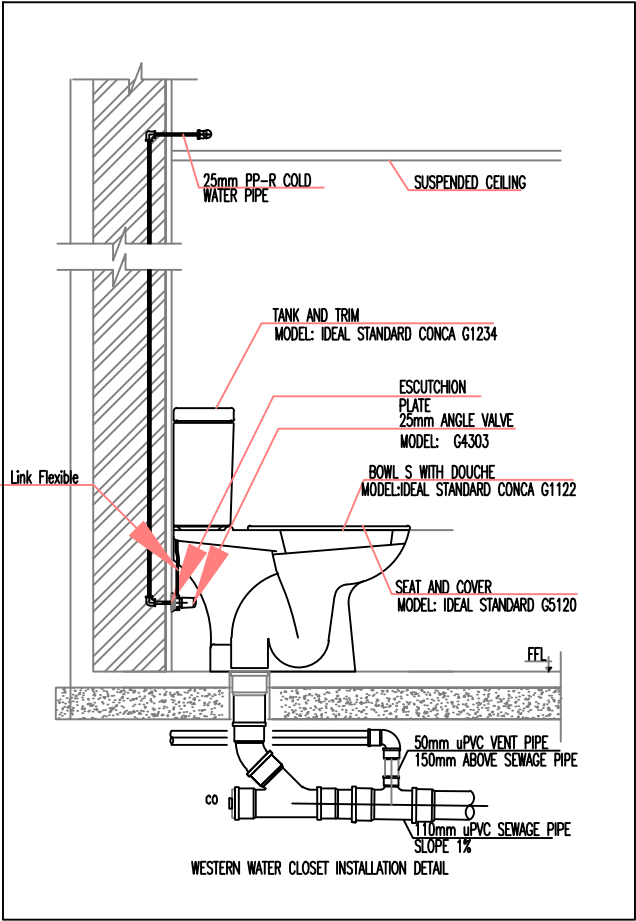
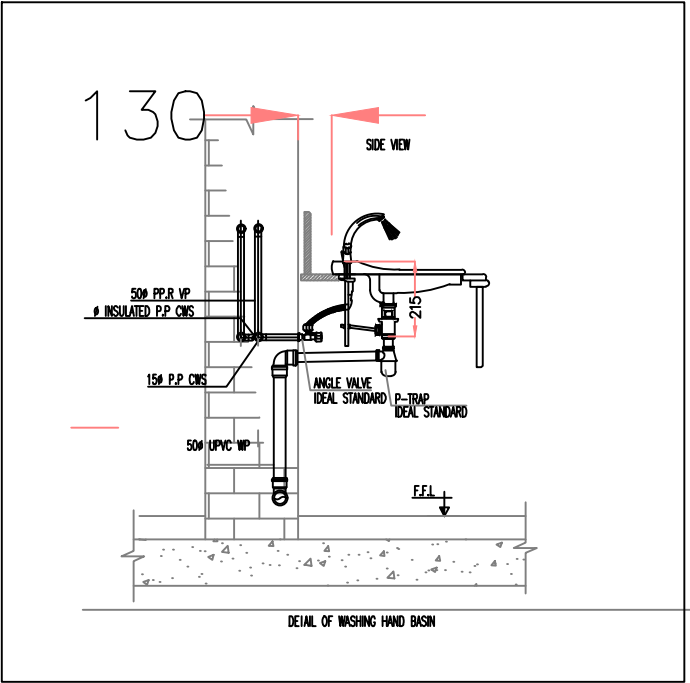
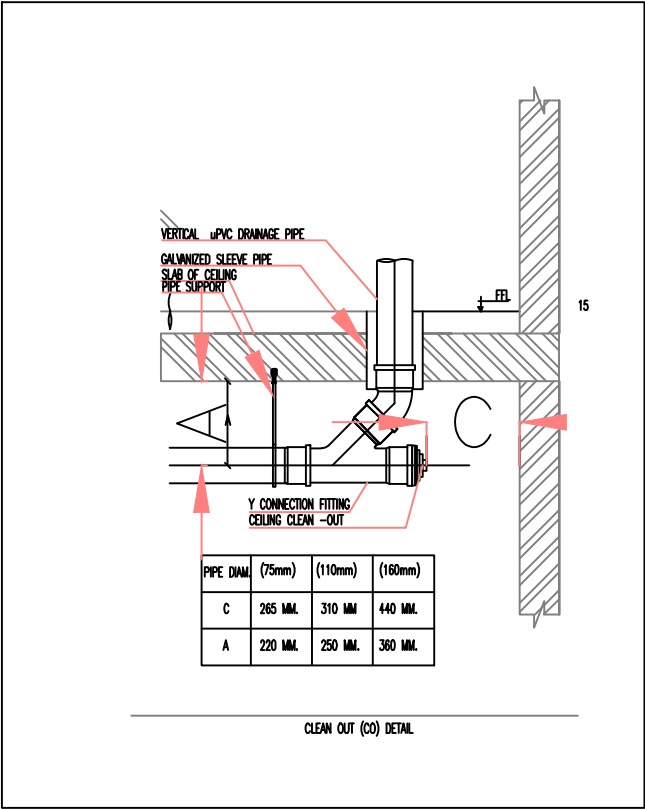
PROJECT TITLE PROPOSED RESIDENTIAL DEVELOPMENT		ARCHITECT	FASEMI A.	DRAWING TITLE: SEPTIC PLAN AND SECTION	
		DRAWN BY	IWEIBO S.E		
CLIENT	MR. ADEWALE ALFRED AFOLABI	CHECKED BY		DRAWING SCALE: N.T.S.	DRAWINNG NO: M06
LOCATION	ALAGBAKA, AKURE, ONDO STATE.	APPROVED BY			
		DATE	MARCH, 2022.		



SECTION OF SOAKAWAY PIT

NOTE :

PROJECT TITLE	PROPOSED RESIDENTIAL DEVELOPMENT		ARCHITECT	FASEMI A.	DRAWING TITLE: SOAKAWAY PIT DESIGN	
			DRAWN BY	IWEIBO S.E		
CLIENT	MR. ADEWALE ALFRED AFOLABI		CHECKED BY		DRAWING SCALE: N.T.S.	DRAWINNG NO: M07
LOCATION	ALAGBAKA, AKURE, ONDO STATE.		APPROVED BY			
			DATE	MARCH, 2022.		



NOTE :

PROJECT TITLE PROPOSED RESIDENTIAL DEVELOPMENT	ARCHITECT	FASEMI A.	DRAWING TITLE: SANIATARY FITTINGS SECTIONS	
	DRAWN BY	IWEIBO S.E		
CLIENT MR. ADEWALE ALFRED AFOLABI	CHECKED BY		DRAWING SCALE: N.T.S.	DRAWINNG NO: M08
LOCATION ALAGBAKA, AKURE, ONDO STATE.	APPROVED BY			
	DATE	MARCH, 2022.		