

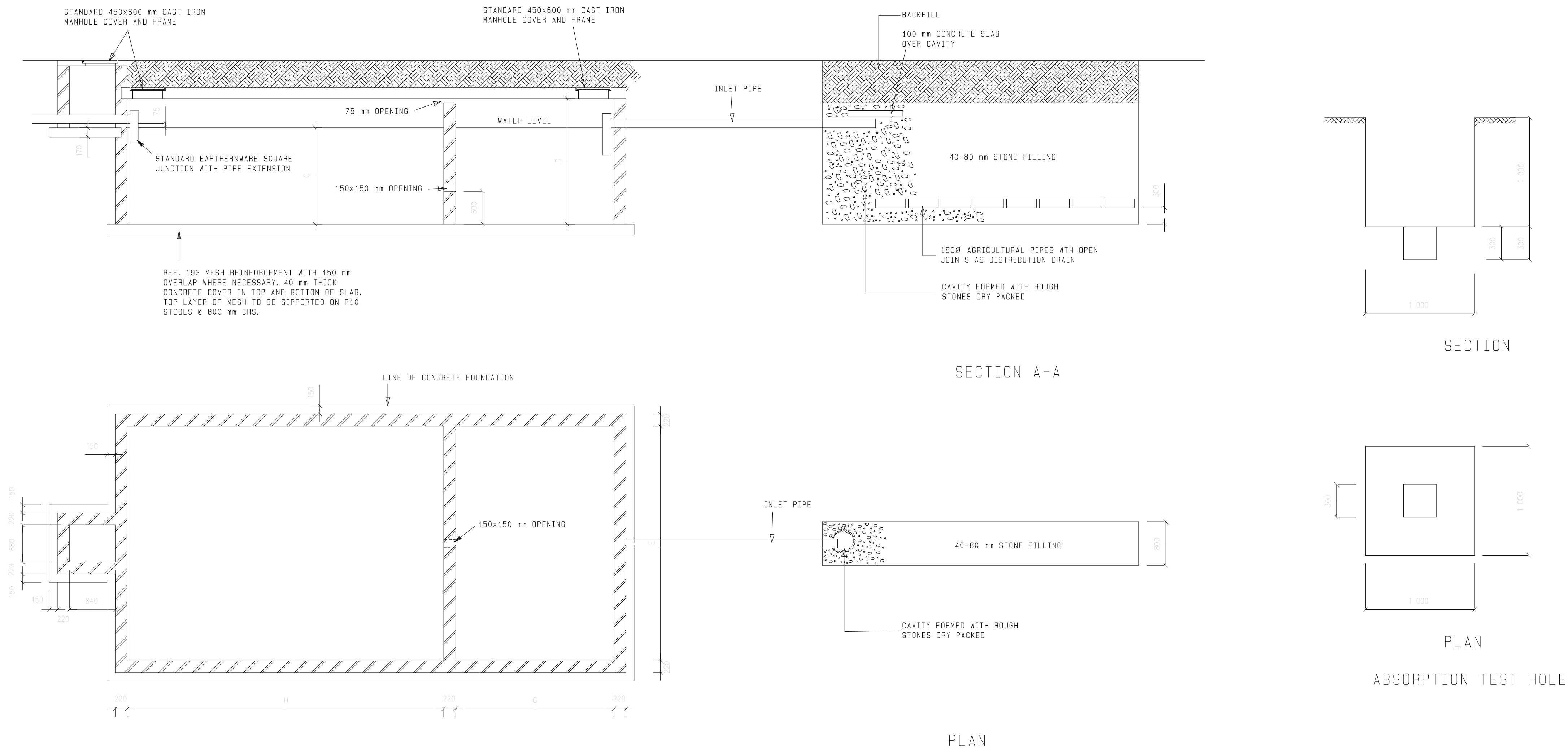
INSTITUTION	LITERS/PERSON/DAY	CAPACITY OF TANK cub m/person/day
SCHOOL	23	0,07
HOUSE/HOSTEL	136	0,41

J	E	T	REINFORCEMENT	
MAX. COVER	WIDTH	THICK-NESS	SHORT SPAN	LONG SPAN
800	1,2m	100	Y10 150 CRS.	R08 @ 220 CRS.
500	1,8m	100	Y12 @ 137 CRS.	R08 @ 220 CRS.
500	2,4m	125	Y16 @ 175 CRS.	R08 @ 220 CRS.
500	3,0m	150	Y16 @ 150 CRS.	R10 @ 305 CRS.
400	3,7m	175	Y20 @ 230 CRS.	R10 @ 267 CRS.
400	4,3m	175	Y20 @ 175 CRS.	Y12 @ 375 CRS.
400	4,9m	200	Y20 @ 150 CRS.	Y12 @ 300 CRS.
300	5,5m	230	Y20 @ 150 CRS.	Y12 @ 300 CRS.
300	6,1m	230	Y25 @ 150 CRS.	Y12 @ 300 CRS.

NUMBER OF PERSONS	INSTITUTION		C	D	E	G	H
	DAY STUDENTS	HOUSE/ HOSTEL	WATER DEPTH	TOTAL DEPTH	WIDTH	LENGTH	LENGTH
	50	8	1200	1500	1200	900	1800
	75	12	1200	1500	1400	1000	2000
	100	18	1200	1500	1700	1100	2300
	150	25	1200	1500	2000	1400	2700
	200	33	1200	1500	2350	1600	3200
	250	41	1500	1900	2350	1500	3000
	300	50	1500	1900	2800	1800	3500
	400	66	1500	1900	2950	2000	4000
	500	83	1800	2300	3000	2100	4100
	600	100	1800	2300	3300	2200	4400
	700	118	1800	2300	3700	2400	4900
	800	133	1800	2300	3900	2600	5200
	900	150	1800	2300	4000	2700	5500
	1000	166	1800	2300	4300	2900	5800

AVERAGE TIME TAKEN FOR WATER TO DROP 25 mm IN 300x300x300 mm HOLE	COMMENTS	LENGTH OF FRENCH DRAIN PER PERSON DEPTH 1500 BELOW INVERT OF INLET PIPE (DOMESTIC SEWAGE EFFLUENT INCLUDING WASTE WATER)
15 SECONDS	EXCELLENT	300mm
30 SECONDS	VERY GOOD	450mm
1 MINUTE	GOOD	600mm
2 MINUTES	GOOD	750mm
3 MINUTES	GOOD	1,10m
4 MINUTES	GOOD	1,40m
5 MINUTES	GOOD	1,55m
10 MINUTES	FAIR	1,80m
15 MINUTES	FAIR	2,30m
30 MINUTES	TIGHT	3,00m
60 MINUTES	BAD	4,50m

THE 300x300x300 mm TEST HOLE IS TO BE THOROUGHLY SOAKED BY FILLING IT WITH WATER TO A DEPTH OF 300 mm. THIS WATER LEVEL MUST BE MAINTAINED FOR AT LEAST 4 HOURS BY CONSTANTLY ADDING WATER, IMMEDIATELY AFTER THIS INITIAL SOAKING, WITH THE WATER LEVEL STILL AT THE REQUIRED DEPTH (NO FURTHER WATER IS ADDED AFTER THIS), THE DROP IN THE SURFACE MUST BE OBSERVED FOR A PERIOD OF 30 MINUTES, THEN MEASURED FROM THESE OBSERVATIONS THE AVERAGE TIME FOR THE WATER TO DROP 25 mm CAN BE CALCULATED AND THE LENGTH OF THE FRENCH DRAIN BE DETERMINED FROM TABLE D ABOVE.



THE FOLLOWING DIMENSIONS WILL APPLY FOR THE
SEPTIC TANK AND FRENCH DRAIN

C = 1500 mm
D = 1900 mm
E = 2950 mm
G = 2000 mm
H = 4000 mm

LENGTH OF FRENCH DRAIN = 100m

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1.1. GENERAL
1.1.1 THIS DRAWING IS NOT TO BE SCALED AT ALL TIMES, USE FIGURED DIMENSIONS ONLY. ALL DIMENSIONS AND HEIGHTS TO BE CHECKED AND VERIFIED BEFORE ANY WORK COMMENCES ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
ALL LEVELS OF PLINTHS, DEPTH OF EXCAVATIONS AND NUMBER OF STEPS TO BE FINALLY CHECKED BY CONTRACTOR ON SITE.
1.2 THE SITE TO BE TREATED IN ACCORDANCE WITH S.A.B.S CODE OF PRACTICE NO.0124-1977 WITH "SHELLORITE"

N07-01ADMIN 001 - FLOOR LAYOUT & CEILING LA
002 - ELEVATIONS & DETAILS
003 - ROOF, SANITARY, FINISH SCH
004 - FITTING DETAILS
005 - WIN/DOOR SCHEDULES

N07-01 HALL 001 - GROUND FLOOR LAYOUT
002 - ELEVATIONS & SECTIONS
003 - ELECTRICAL & SEWER
004 - CEILING PLAN & DETAILS
005 - FIRE & WATER RET.
006 - SCHEDULES

N07-01-2 CL 001 - FLOOR, CEILING, ROOF PLAN &
DETAILS
002 - ELEVATIONS, SECTIONS &
DETAILS
003 - SCHEDULES & DETAILS

N07-01-3 CL 001 - FLOOR, CEILING, ROOF LAYO
002 - ELEV, SECTIONS & DETAILS
003 - SCHEDULES & DETAILS

N07-01-4 CL 001 - FLOOR, ROOF & CEILING
002 - ELEVATIONS, DETAILS &
SECTIONS
003 - ROOF & CEILING LAYOUT
004 - SCHEDULES

N07-01 -LIB. 001 - FLOOR,CEILING, ROOF LAYO
002 - SECTIONS & DETAILS
003 - FITTING DETAILS
004 - SCHEDULES

N07-01 -LAB. 001 - FLOOR,CEILING, ROOF LAYO
002 - SECTIONS, DETAILS, SCHED
003 - SCHEDULES, SHELVES DETAI
004 - FITTING DETAILS

N07-01 -COMP. 001 - FLOOR, CEILING & ROOF
002 - SECTIONS & DETAILS
003 - SCHEDULES

N07-01 - AB 001 - FLOOR, ROOF,
ELEVATION & SECTIONS
002 - CEILING LAYOUT & DETAILS
003 - SCHEDULES

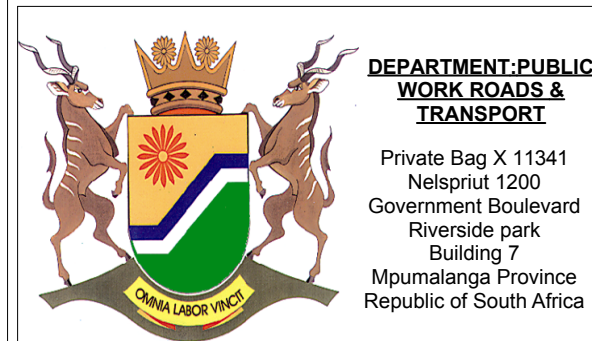
N07-01 - KIT

- 001 - ROOF PLAN & ELEVATIONS
- 002 - FLOOR PLAN & ELEVATIONS
- 003 - SEPTIC TANK DETAILS
- 004 - FITTING DETAILS
- 005 - SCHEDULES

N07-01 - GR-R-001-FLOOR LAYOUT
002-ELEV., SECTION
003-CEILING & ROOF LAYOUT
004-DOOR/WIND SCHEDULES
005-SCHEDULES & DETAILS

N07-01 - GH- 001-FLOOR PLANS AND
ELEVATIONS
002-SECTIONS AND DETAILS

No	Date	Revision description
1	02/02/10	Entrance doors changed to standard MERANTI doors
2	02/02/10	Purpose made windows removed
3	02/02/10	Burglar proofing added to all opening sections on windows
4	08/02/10	Roof pitch increased to accommodate corrugated roof sheeting
5	08/02/10	Fined windows above changed to opening windows
6	01/05/10	Water drainage channel added on kitchen floor



KITCHEN

SEPTIC TANK DETAILS

WORKING DRAWING

PROJECT

STANDARD SINGLE STOREY SCHOOLS

<u>DATE</u>	<u>DESIGNED BY</u>	<u>DRAWN</u>	<u>CHECKED BY</u>	<u>ISSUED</u>
06/2010	H.D.J	H.D.J	N.N	

DRAWING NUMBER

N07-01 / KIT - 001 06