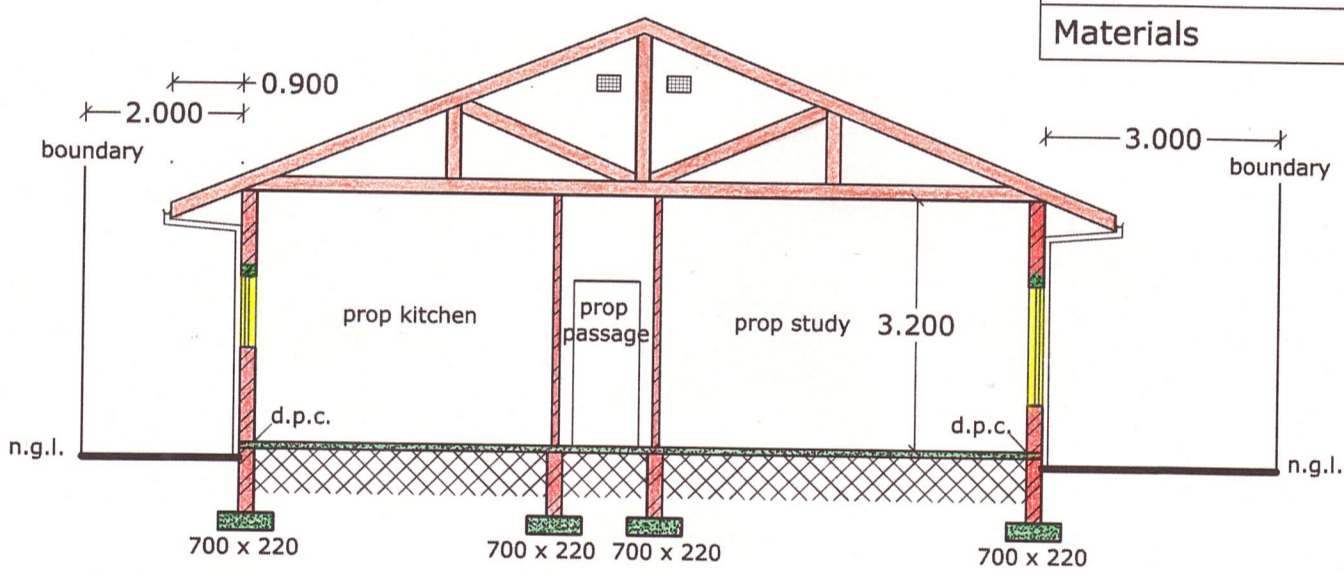
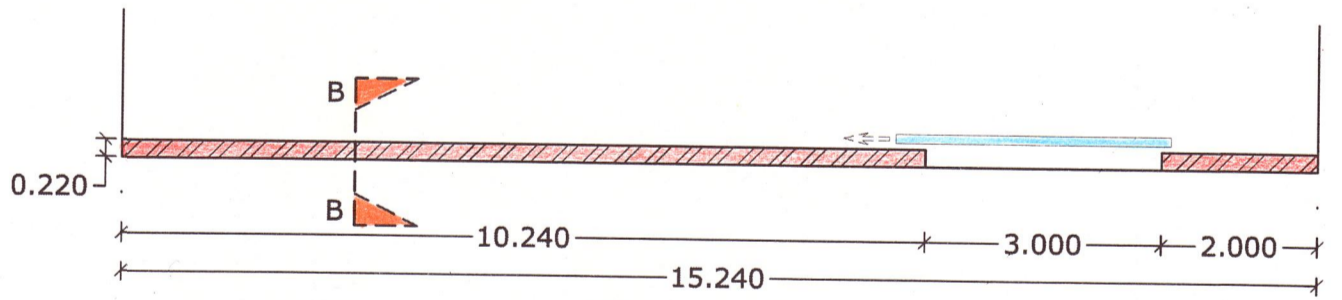


Ground Storey Floor Plan
1:100



Section A - A
1:100



Floor Plan Prop Boundary Wall
1:100

Schedule of Areas

Site Area :	697 sq. metres
Proposed Dwelling :	225.28 sq. metres
Total Coverage :	225.28 sq. metres
Which Represents :	32.32%
Total F.A.R :	225.28 sq. metres
Which Represents :	0.3232

Fitting Description	new m.h.1	new m.h.2	ex m.h.3
Ground Level	+0.12	+0.12	+0.12
Invert Level	-0.48	-0.98	-1.08
Depth	0.60	1.10	1.20
Gradient	1 in 30.46		1 in 14.40
Distance	15.23		1.44
Materials	100mm SABS PVC 791		

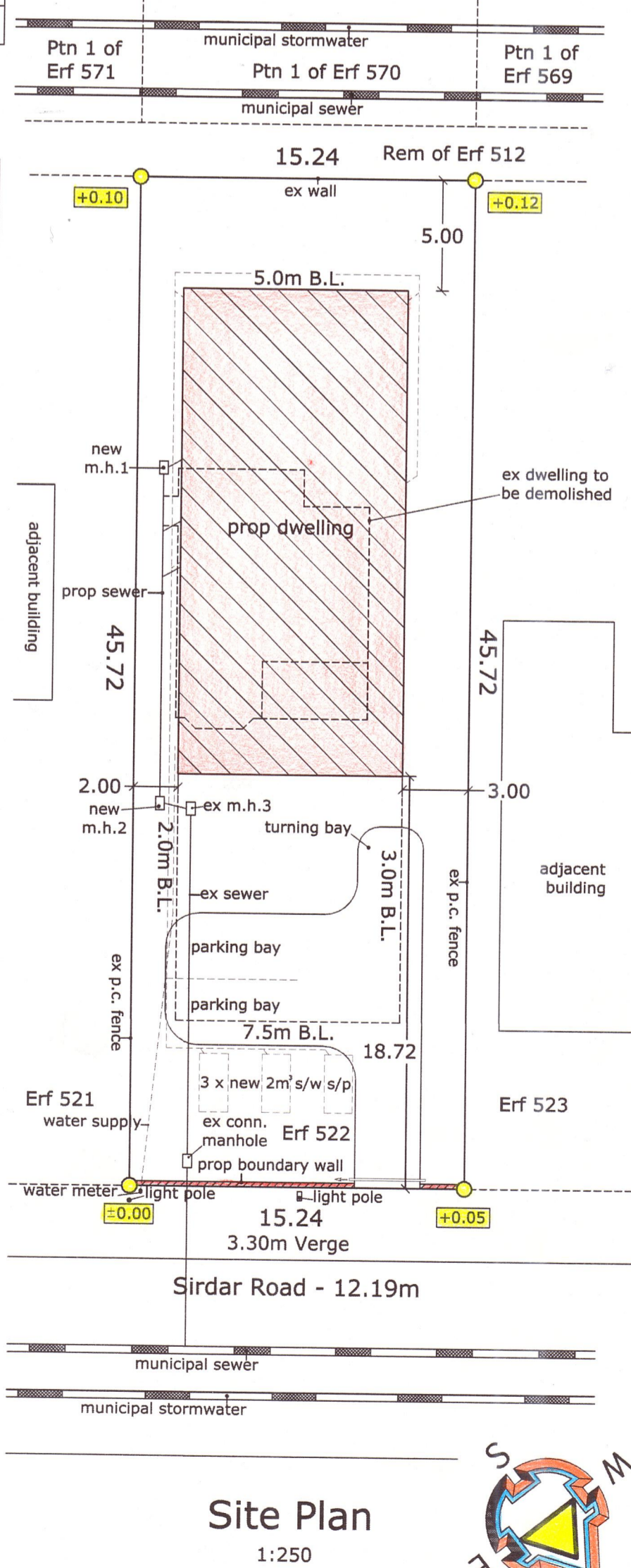
Sewer Section
1:100

Hot Water Demand
Proposed Dwelling : Assumed hot water consumption of 90 litres per person per day. Assumed 8 persons in respect of 4 bedroomed proposed dwelling. 8 persons x 90 litres = 720 litres daily hot water consumption. Therefore 360 litres daily hot water to be supplied by means other than electrical resistance heating.

Energy Demand
Nett Floor Area of Prop Dwelling : 213.17 square metres
Energy Demand - 5 watt per square metres x 213.17 square metres
Maximum Total Demand = 1065.85 watts
12 x 14 watt energy saving globes = 168 watts
1 x 11 watt energy saving globes = 11 watts
3 x 9 watt energy saving globe = 27 watts
2 x 36 watt fluorescent tubes = 72 watts
Total Actual Demand = 278 watts
278 watts is less than 1065.85 watts Therefore Energy Demand = Pass

Energy Consumption
Nett Floor Area of Prop Dwelling : 213.17 square metres
Energy Consumption : 5 kWh/sq. metre x 213.17
Maximum Total Consumption : 1065.85 kWh.a
Assume lights are on from between 05:00 to 07:00 hours and between 17:00 and 22:00 hours per day for 80% of such time.
52 (weeks) x 7 (days) x 7 (hours) = 2548 hours.
2548 hours x 80% = 2038.4 hours per annum.
Maximum permitted Energy Consumption = 213.17 square metres x 5kWh/m² = 1065.85 kWh.a
278 watts = 0.278Kw.
0.278 x 2038 hours = 566.56kWh.a Therefore Energy Consumption = Pass

Drainage Notes
Any damaged fittings to be replaced. All gully surrounds and manhole covers to be 75mm above ground level. Existing sewer drain to be exposed before commencing work. I.E's to all bends and junctions. Soil pipes to be 100mm SABS approved P.V.C. Waste pipe to be 50mm SABS approved P.V.C. All sewer pipes to be vented in accordance with SANS 10400 - P. Drainage details fully comply with SANS 10400 - P.



Site Plan
1:250

Note : Existing dilapidated dwelling (shown as dotted on site plan) which is in a state of disrepair to be demolished in order to accommodate the proposed new dwelling.

Description	Sector	Width	Height	SHGC	Conductance	P (projection)	H (height)	Solar Exp. Factor	Glass Type	Frame	Area - m ²	Result SHG	Result Conductance	Thickness & Specifications
Window 1	North East	1.65m	1.50m	0.77	5.6	0.12	3.65	0.78	Single Clear	Timber	2.48 m ²	1.49	13.89	4mm monolithic annealed glass
Window 2	North East	0.60m	2.10m	0.77	5.6	0.12	5.25	0.78	Single Clear	Timber	1.26 m ²	0.76	7.06	4mm monolithic annealed glass
Window 3	North West	1.65m	1.50m	0.77	5.6	0.52	2.24	0.58	Single Clear	Timber	2.48 m ²	1.11	13.89	4mm monolithic annealed glass
Window 4	North West	1.65m	1.50m	0.77	5.6	0.52	2.24	0.58	Single Clear	Timber	2.48 m ²	1.11	13.89	4mm monolithic annealed glass
Window 5	North West	2.20m	1.50m	0.77	5.6	0.52	2.24	0.58	Single Clear	Timber	3.30 m ²	1.47	18.48	5mm monolithic annealed glass
Window 6	North West	1.65m	1.50m	0.77	5.6	0.52	2.24	0.58	Single Clear	Timber	2.48 m ²	1.11	13.89	4mm monolithic annealed glass
Window 7	North West	1.65m	1.50m	0.77	5.6	0.52	2.24	0.58	Single Clear	Timber	2.48 m ²	1.11	13.89	4mm monolithic annealed glass
Window 8	South West	0.60m	2.10m	0.77	5.6	0.12	4.00	1.20	Single Clear	Timber	1.26 m ²	1.16	7.06	4mm monolithic annealed glass
Window 9	South West	2.20m	1.50m	0.56	3.0	0.12	3.80	1.20	Single Clear	Timber	1.26 m ²	1.16	7.06	4mm monolithic annealed glass
Window 10	South East	2.20m	1.50m	0.77	5.6	0.52	2.24	0.90	Tinted Double	Timber	3.30 m ²	2.21	9.90	5mm monolithic annealed glass
Window 11	South East	2.20m	0.90m	0.77	5.6	0.52	1.64	0.82	Single Clear	Timber	1.98 m ²	1.25	11.09	4mm monolithic annealed glass
Window 12	South East	0.55m	0.60m	0.77	5.6	0.52	1.34	0.71	Single Clear	Timber	0.33 m ²	0.18	1.85	4mm toughened safety glass
Window 13	South East	2.20m	0.90m	0.77	5.6	0.52	1.64	0.82	Single Clear	Timber	1.98 m ²	1.25	11.09	4mm toughened safety glass
Sliding Door 1	North East	2.40m	2.10m	0.59	4.23	0.12	5.00	0.80	Tinted Double	Aluminium	5.04 m ²	2.37	21.32	5mm toughened safety glass
Sliding Door 2	South West	2.40m	2.10m	0.59	4.23	0.12	4.50	1.22	Tinted Double	Aluminium	5.04 m ²	3.63	21.32	5mm toughened safety glass
Total :											22.50	197.10		

Energy Efficiency Calculations in terms of SANS 10400 X-XA-204

Proposed Dwelling - Net Floor Area : 213.17 sq. metres
Maximum Conductance = Net Floor Area x Conductance Value = 213.17 x 1.4 = 298.44 Maximum Conductance
Maximum Solar Heat Gain = Net Floor Area x Solar Heat Gain Value = 213.17 x 0.11 = 23.45 Maximum Solar Heat Gain Permitted

The attention of the owner is drawn to the fact that deviations to this plan and / or specifications after formal approval is likely to invalidate such approval.

CLASSIFICATION H4
LITTLEFIELD & ASSOCIATES
Specialists in Residential Developments

Proposed demolition of existing dilapidated dwelling and a proposed new dwelling and new boundary wall for Mr. M.A. Mansoor at 256 Sirdar Road, Clairwood, Durban. Erf 522 of Dunns Grant.