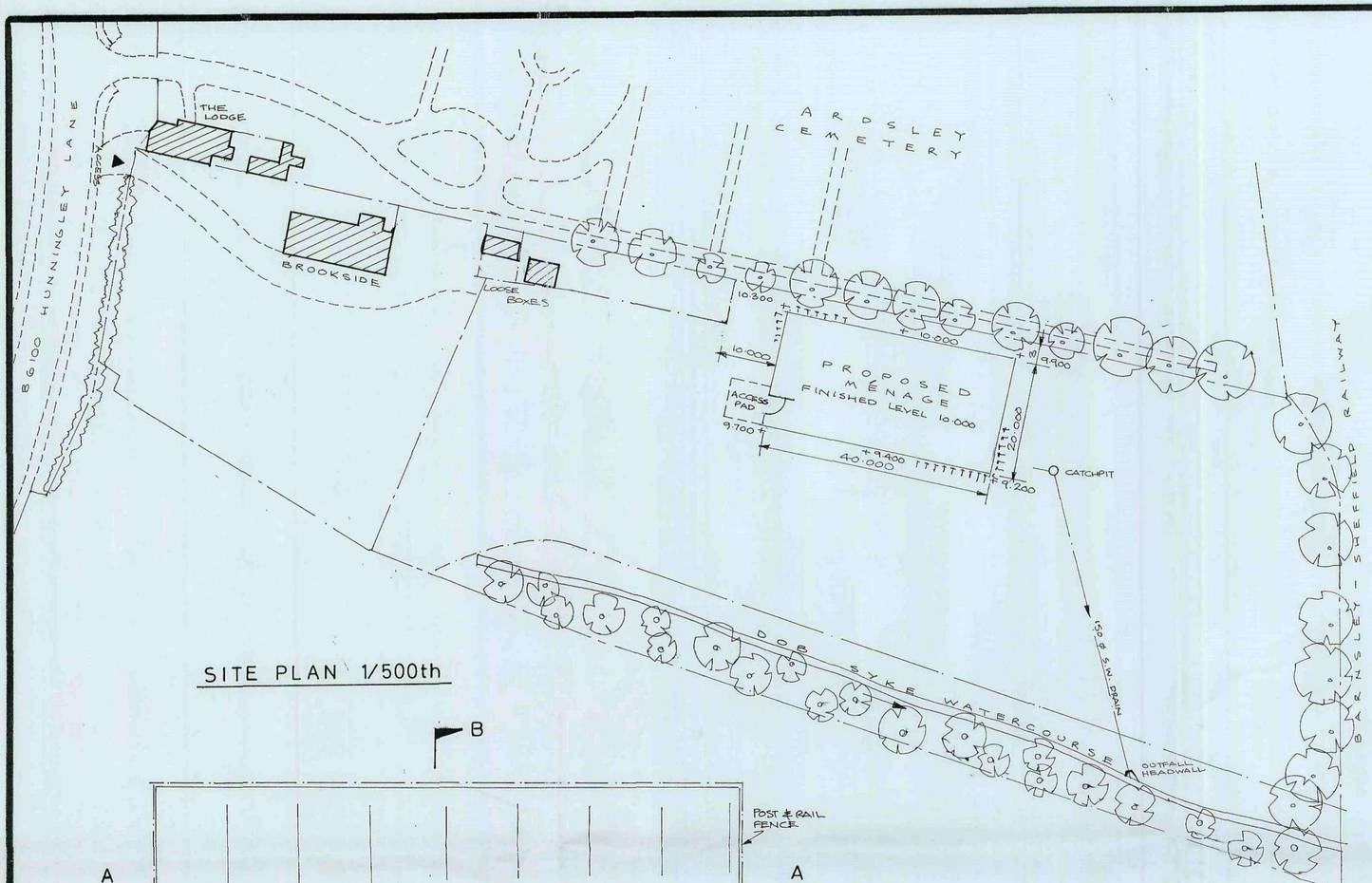
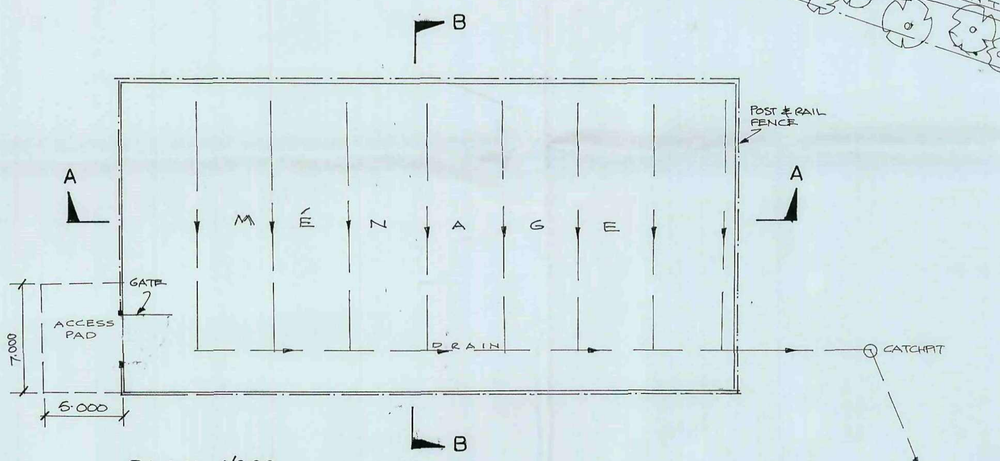
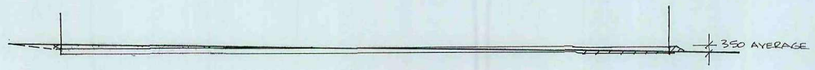


SITE PLAN 1/500th



PLAN 1/200

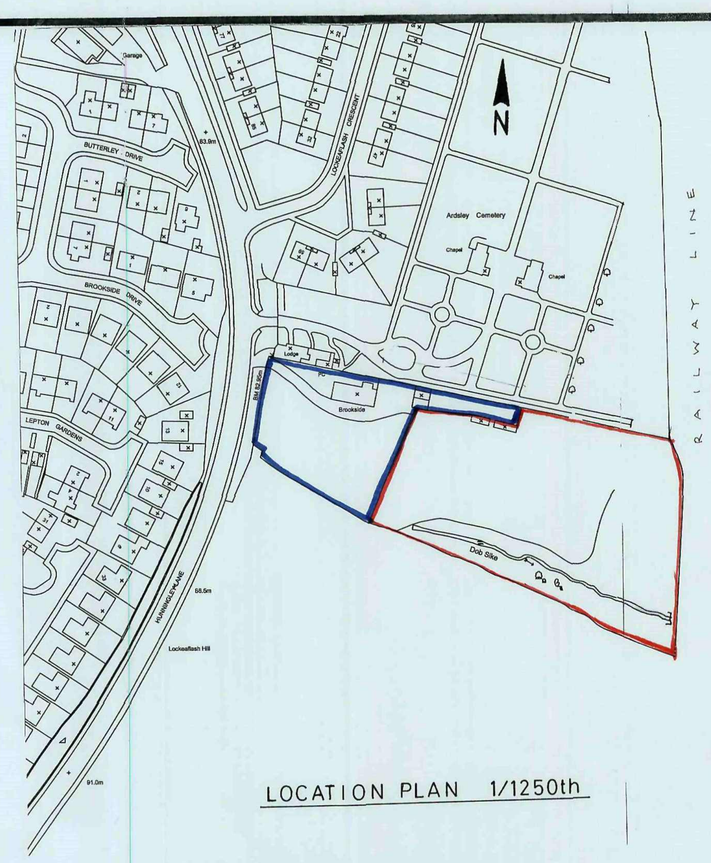


SECTION A-A

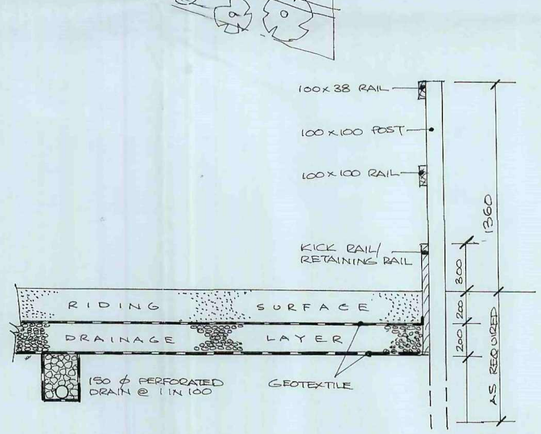


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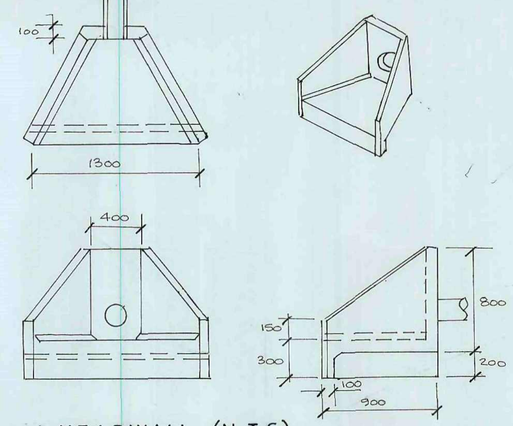
PROPOSED MÉNAGE at BROOKSIDE,HUNNINGLEY LANE, STAIRFOOT, BARNSLEY



LOCATION PLAN 1/1250th



CONSTRUCTION DETAIL 1/20



HEADWALL (N.T.S)

Proposed ménage to be constructed using high purity (90% Si02 or above) 250 micron washed and processed silica sand; inert man-made fibre reinforcement power harrowed into sand to augment the stability of the media; edges restrained using 300 x 38 tanalised softwood kick boards finished 300mm above final sand level; ménage surfacing laid on porous geotextile membrane; membrane tacked or stapled to edge restraint boards

Drainage bed under sand surface to consist of 200 compacted thickness of 40 single sized limestone or similar approved hardcore material; drainage bed laid on porous geotextile membrane

Post and rail fence in tanalised softwood to have 100 x 100 posts at 1.8 metre centres with edge kick/restraining board as described above and two number 100 x 38 rails; posts to be concreted into ground minimum 600 but final depth to suit ground conditions

3.000 metre wide field gate to entrance with galvanised iron hinges and latches; access pad to be constructed in same materials as ménage and is to prevent contamination of ménage surfacing with material transmitted from horses hooves

Subsurface drainage to consist of 100 diameter porous plastic pipes laid to a gradient of 1:100 in trenches filled with 20 single sized clean limestone pipe bedding; drainage trench lined with porous geotextile membrane; cross trenches at 5 metre spacing connected into a 150 diameter porous plastic carrier pipe discharging into catch-pit; catch-pit to consist of 900 diameter precast concrete manhole chamber on 225 thick concrete base to be finished 600 below depth of outgoing pipe; precast concrete cover slab with medium duty cast iron cover and frame; outgoing pipe to be 150 diameter solid plastic pipes with patent push fit flexible joints laid in100 bed and surround of 20 single sized limestone; pipes laid at min 1 in 40 gradient and to discharge to stream via proprietary manufacture precast headwall as shown on detail; headwall bedded on 150 thickness of semi-dry concrete