NOTES

RAINWATER GOODS:
Modify existing rainwater goods to building; rainwater goods to discharge water outside covered canopy; provide new gulley and drain connected to existing surface water drainage system.
Surface water drainage to comprise 'Marley Deepflow' pvcu gutters and 68mm dia. rainwater downpipes fitted with a shoe; downpipes to discharge to 'Gerberit Limited' rectangular hopper (Ref: 4DG93) with rectangular cover plate to receive rainwater pipe (Ref: 4DG93RP) with 4 No self tapping screws , to 110mm dia pipe as required to low 'P' trap with spigot outlet (Ref: 4DG91) to 100mm dia drain; new connection to surface water manhole.

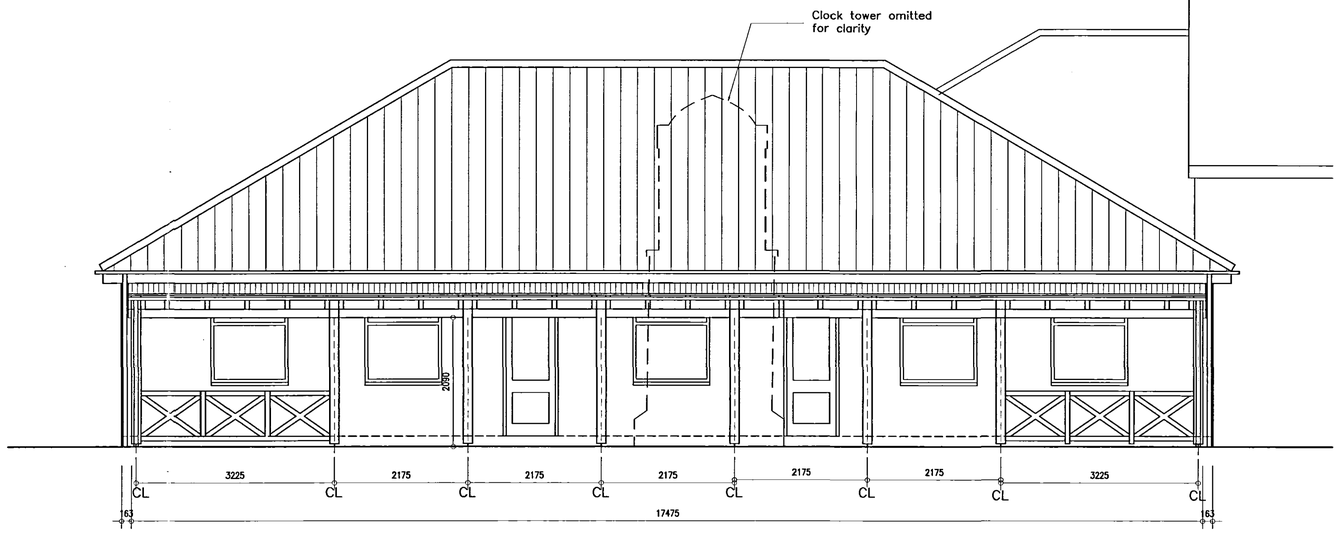
BEDDING FOR FLEXIBLE PIPES:
As diagram 9 in Part H of the Building Regulations. Pipes to be 100mm dia. laid on 100mm deep granular material to conform to BS 882:1983 Table 4 or BS 8301:1985 Appendix D to crown of pipe; 100mm thick selected fill of granular fill free from stones larger than 40mm, lumps of clay over 100mm, frozen material or vegetable matter–compacted by hand or with a light plate vibrator,especially at the sides. Backfill to formation level and reinstate tarmacadam playground. Prevent ground water flow in trenches.

YARD GULLEY:
To be supplied by 'Gerberit Ltd.' and be a bottle gulley with around cover (Ref: 4DG83) to 100mm dia drain connected to soakaway); gulley to be set on 150mm thick concrete bed and surround.

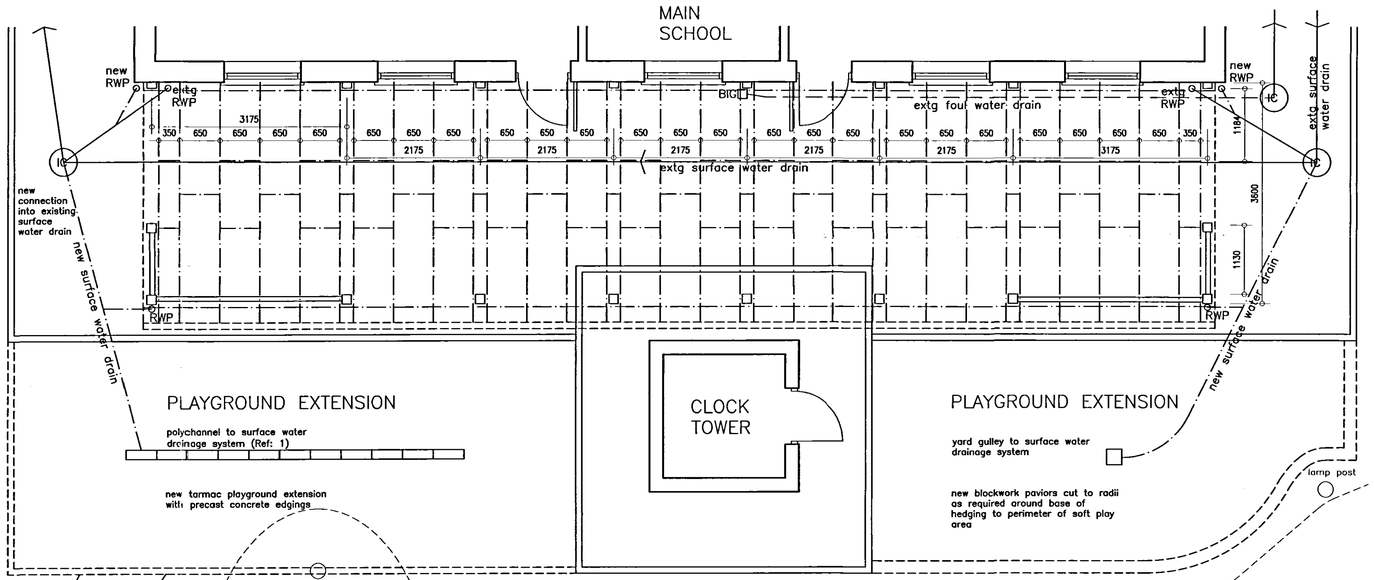
BITUMEN PLAYGROUND AND REINSTATEMENT:
Excavate for and extend playground; excavate for fondations and surface water drainage connections in existing playground; bitumen to comprise:
Wearing course: 25mm thick dense bitumen macadam, 6mm nominal size using 100 pen bitumen binder to BS 4987:1988 Clause 7.5, manufactured and laid in accordance with BS 4987:1988 parts 1 and 2.
Base course: 50mm thick dense bitumen macadam, 20mm nominal size using 100 pen bitumen binder to BS 4987:1988 Clause 6.5, manufactured and laid in accordance with BS 4987:1988 parts 1 and 2.
Base: 150mm thick non frost susceptible Type 1 aggregate.
Note: Perimeter restrained via precast concrete edgings (50x150mm) set in 100mm thick concrete base and battered up both sides. Make good ground, level with adjacent ground generally, reinstate bark chippings. New playground laid to falls to discharge to drainage channel.

SOFT PLAY SURFACE:
By one of the following nominated sub-contractors:
* Nova Sport Ltd. (Tel. 01332 292202)
* RTC Safety Surfaces Ltd. (Tel. 01282 850141)
* Stadia Surfaces Ltd. (Tel. 01353 668686)
on sub base by main contractor, comprising:
* Excavate existing ground to a depth of 150mm taking care not to damage any tree roots from existing mature horse chestnut tree;
* Perimeter edge restraint; install one row of 'Marshalls Mono Ltd. Keyblock', 200x100x60mm thick (colour natural); 200mm wide (one block) margin in stretcher bond; mitred at corners; cut to radii to provide tight joints as shown on the layout; to be set on 150mm thick C30 concrete foundation
* Provide 100mm thick min. non frost susceptible Type 1 aggregate.
* Provide 75mm thick non fines concrete (4:1, 4 parts 15mm down to 10mm clean stones limestone aggregate to one part cement) and just enough water to coat aggregate, tamped to an even finish.

DRAINAGE CHANNEL SPECIFICATION:
To be provided by 'ACO Technologies PLC', Hitchin Road, Shefford, Bedfordshire, SG17 5SQ (Tel. 01462 816666; Fax. 01462 815895), and be ACO 'K' range presloped channel drainage system as follows:
* K100S sloping channel system (K1 to K5) to be set in 100mm C25 concrete bed and surround, to
* K900RE sump unit with side outlet with 110mm dia foul air trap to surface water drainage system
* Gratings to be Class A, Ref: 402 (in pavement). Channels 500mm long – 2 No per channel; Locking standard Ref: 811
* End cap (Ref: 106) provided at highest point
All items to be laid in accordance with manufacturers instructions.

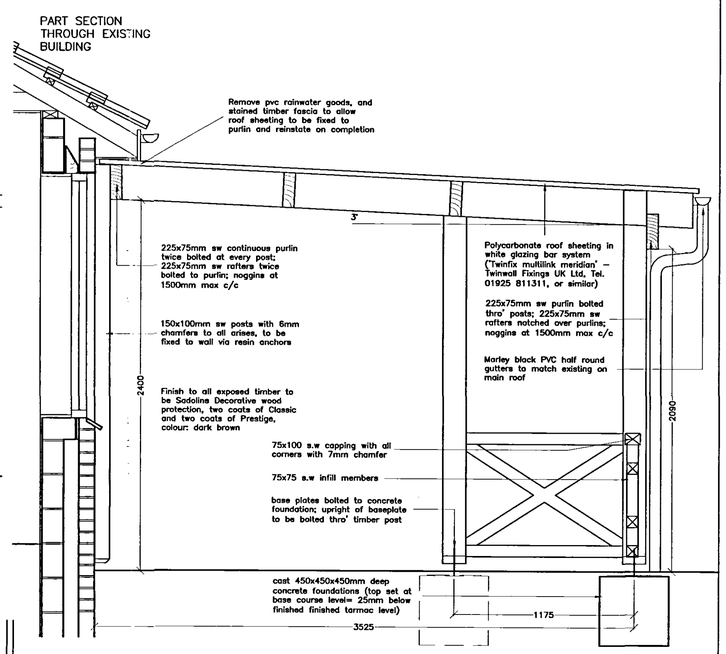


EAST ELEVATION 1:50



PLAN 1:50

PART SECTION THROUGH EXISTING BUILDING



SECTION THROUGH PERGOLA 1:20

Revisions
Rev A: Amended following telephone conversation with school (26.07.04)
Rev B: Amended following meeting with SHDC tree officer on 08.12.04 (09.12.04)

AMENDED PLAN
Ref. A1

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All levels and dimensions to be checked on site by General Contractor before work is put in hand.

Shefford Planning & Development
16 DEC 2004
Ref: 1321/04

client
DIOCESE OF LINCOLN

job
ALTERATIONS TO WILLIAM STUKELEY CE PRIMARY SCHOOL

drawing
PROPOSED PERGOLA

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date	drawn	checked	scale
FEB 04	DH		as noted

drawing no.
D102–02B