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## POLYURETHANE PRODUCTS

### CHAMP-TRACK

TRACK & FIELD

Your Partner  
For Sport & Play

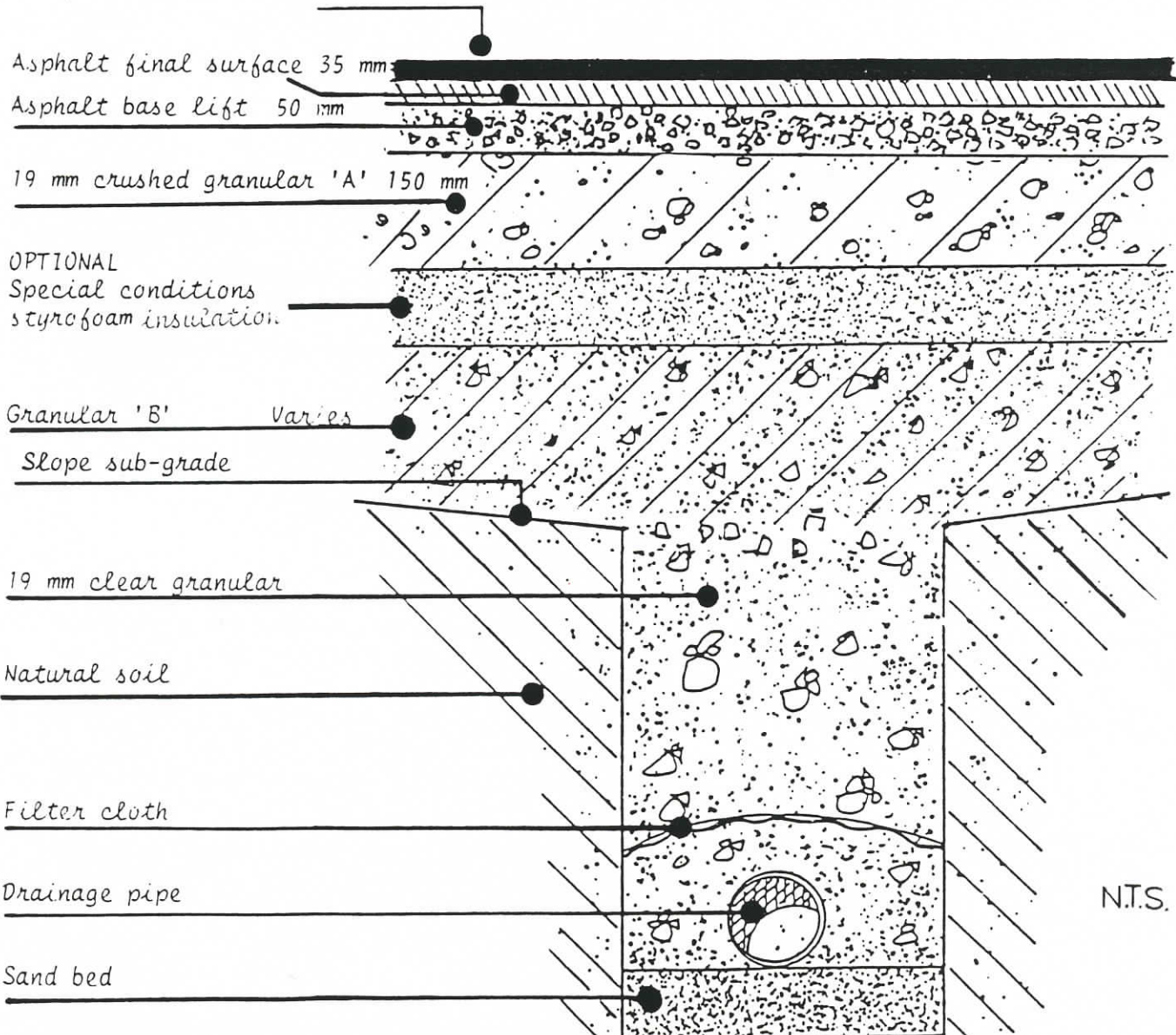
### SUB-BASE CONSTRUCTION ASPHALT - WATER PERMEABLE



Outdoor Track

Specification Sheet: #WP-A1-c  
Asphalt water permeable

Champ-Track surface



N.T.S.

For all installations the asphalt base must be water permeable. All dimensions do vary depending on play requirements and field soil conditions, local frost depth and ground water table.

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## a completely integrated system

ASPHALT BASE CONSTRUCTION  
WATER PERMEABLE

Removal of topsoil - 15 cm (6") deep or as required and stock pile on site.

Excavate the proposed track and playfield areas or lift the grade for the proposed track and playfield area. Install granular base to suite local site conditions. (Ground water table and or frost depth).

The final excavation level will be graded, bladed and compacted to Proctor 98% and conform to the contour and drainage plans. Maximum grade tolerance will be 20 mm (3/4") on a 3 m (10 ft.) template measured in any direction.

Supply and place granular 'B' material which will be placed in layers of 20 cm (8") each, graded, bladed and compacted to Proctor 98%.

Supply and place a 15 cm (6") deep layer of 19 mm (3/4") crushed granular 'A' as per local road construction specification, bladed and compacted to Proctor 98%. The uppermost layer of granular 'A' when compacted will not deviate more than 10 mm (3/8") from the specified grade and cross section at any place on a 3 m (10 ft.) template.

The water absorption rate of the sub-base will be minimum 0.1 cm/sc. (1/32"/sc.)

Installation of water permeable bituminous structure, type 'G' 60/50 applied in two lifts and compacted to Proctor 95%. Minimum water absorption of 0.1 cm/sc (1/32"/sc.) required.

Base Lift minimum 50 mm - 60 mm (2" - 2 1/2") compacted, Proctor 98%.

Bitumen B-80 or B-200 as used in local highway construction not less than 3.5% by weight.

Additives will only be used if required.

Aggregate screen mesh #10 7/16 (2-11 mm) or mesh 10 5/8 (2-16 mm) crushed stone with an addition of 10% to 20% by weight of crushed sharp brick sand and 3% - 5% by weight of filler material. ASTM E-11-61.

65% - 75% retained on 4.75 mm (3/16") sieve

30% - 35% passing 4.75 mm (3/16") sieve

Marshall core - 15% - 22% by volume of voids.

Compaction 95% Proctor.

The Bituminous surface will be installed with electronically controlled equipment. The surface will not exceed deviations of more than 4 mm (5/32") if measured with a 3 m (10 ft.) straight edge.

Final Surface Layer Minimum 35 mm (1 1/4" - 1 1/2") compacted, Proctor 98%.

Bitumen B80 or B200 as used for local highway construction not less than 4.5% by weight.

Additives will only be added if required.

Aggregate screen mesh #10 - 4 (2-5 mm) or Mesh #10 - 5/16 (2-8 mm) crushed stone ASTM E-11-61 with an addition of 10% - 15% by weight of crushed sharp brick sand and 4% - 7% by weight of filler material.

55% retained on 4.75 mm (3/16") sieve

45% passing 4.75 mm (3/16") sieve

Marshall core 12% - 17% by volume of voids.

Compaction 95% Proctor

The bituminous surface will be installed with electronically controlled equipment and surface will not exceed deviations of more than 4 mm (5/32") if measured with a 3 m (10 ft.) straight edge.

Above specifications are guide lines and shall be adapted to local material and equipment available, however, the level tolerance cannot exceed more than 4 mm (5/32") if measured with a 3 m (10 ft.) straight edge. The water permeability of the asphalt structure must be maintained.