

Evans and Langford

Lenham Parish Council

Carpark Resurfacing Works

Revision -

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D20

Excavating and filling

Clauses

10 Tree roots

1. **Protected area:** Do not cut roots within precautionary protection area.
 - 1.1. **Size of area:** Branch spread of the tree
2. **Excavation in protected area**
 - 2.1. **Method:** Contractor's choice
 - 2.2. **Backfill** as soon as possible or temporarily line with polyethylene sheet to reduce evaporation.
3. **Outside protected area:** Give notice of roots exceeding 25 mm and do not cut without approval.
4. **Cutting**
 - 4.1. Make clean smooth cuts with no ragged edges.
 - 4.2. Pare cut surfaces smooth with a sharp knife.

12 Site clearance

1. **Timing:** Before topsoil stripping, if any.
2. **General:** Clear site of rubbish, debris and vegetation. Do not compact topsoil.
3. **Treatment:** Apply a suitable residual herbicide to areas to receive gravel surfacing

20 Stripping topsoil

1. **General:** Before beginning general excavation or filling, strip topsoil from areas where there will be regrading, pavings/ roads and other areas shown on drawings.
2. **Depth**
 - 2.1. **Remove** to an average depth of: 150 mm
 - 2.2. Give notice where the depth of topsoil is difficult to determine.
3. **Handling:** Handle topsoil for reuse or sale in accordance with BS 3882.
4. **Around trees:** Do not remove topsoil from below the spread of trees to be retained.
5. **Site storage:** Keep separate from excavated sub-soil

31 Unrecorded features

1. **Give notice:** If unrecorded foundations, beds, voids, basements, filling, tanks, pipes, cables, drains, manholes, watercourses, ditches, etc. not shown on the drawings are encountered.

45 Surplus subsoil

1. **Excavated material:** Stockpile in temporary storage heaps.
2. **Retained material:** Spread and level surplus subsoil on site.
 - 2.1. **Locations:** To be agreed.
 - 2.2. **Protected areas:** Do not raise soil level within root spread of trees that are to be retained.

62 Frost susceptibility

1. **General:** Fill must be non-frost-susceptible as defined in the 'Specification for highway works', clause 801.8.

Ω End of Section

Q10

Kerbs/ edgings/ channels/ paving accessories

Types of kerbs/edgings and channels

110 Proprietary precast concrete

1. Standard: To BS EN 1340.
2. Designations: HB2 Kerb, half battered
3. Size (width x height x length): 255 x 125 x 915 mm
4. Bedding: ST2 concrete
5. Joints generally: Dry joints

200 Special Units

1. Description: PCC Dished Channel
2. Size: 255 x 125mm
3. Type/ Material: Precast concrete
 - 3.1. Finish: As cast
4. Bedding: ST2 concrete
5. Joints: Dry joints

Roads/paving accessories/ marking/ demarcation

395 Road marking (thermoplastic)

1. Standard: Road Safety Markings Association standard specification document for road marking and road studs (StanSpec).
2. Colour: White

Laying

510 Laying kerbs, edgings and channels

1. Cutting: Neat, accurate and without spalling. Form neat junctions.
 - 1.1. Long units (450 mm and over) minimum length after cutting: 300 mm.
 - 1.2. Short units minimum length after cutting: The lower of one third of their original length or 50 mm.
2. Bedding of units: Positioned true to line and levelled along top and front faces, in a mortar bed on accurately cast foundations or on a race of fresh concrete.
3. Securing of units: After bedding has set, secured with a continuous haunching of concrete or on a race of fresh concrete with backing concrete cast monolithically.

520 Adverse weather

1. Conditions: Do not construct if the temperature is below 3°C on a falling thermometer or 1°C on a rising thermometer. Adequately protect foundations, bedding and haunching against frost and rapid drying by sun and wind.

530 Concrete for foundations, races and haunching

1. Standard: To BS 8500-2.
2. Designated mix: Not less than Standard mix ST2.
3. Workability: Very low.

570 Channels

1. Installation: To an even gradient, without ponding or backfall.
2. Lowest points of channels: 6 mm above drainage outlets.

620 Accuracy

1. Deviations (maximum)
 - 1.1. Level: ± 6 mm.
 - 1.2. Horizontal and vertical alignment: 3 mm in 3 m.

625 Regularity of paved surfaces

1. Maximum undulation of (non-tactile) paving surface: 3 mm.
 - 1.1. Method of measurement: Under a 1 m straight edge placed anywhere on the surface (where appropriate in relation to the geometry of the surface).
2. Difference in level between adjacent units (maximum)
 - 2.1. Joints flush with the surface: Twice the joint width (with 5 mm max difference in level).
 - 2.2. Recessed, filled joints: 2 mm.
 - 2.2.1. Recess depth (maximum): 5 mm.
 - 2.3. Unfilled joints: 2 mm.
3. Sudden irregularities: Not permitted.

Ω End of Section

Q22

Asphalt roads/ pavings

Clauses

10 Asphalt concrete paving

1. Description: AC surface and regulating courses.
2. Standard: To MCHW Volume 1 'Specification for Highway Works'
3. Subgrade improvement layer: For areas of pavement repair, submit proposals if in-situ CBR is less than 5%.
 - 3.1. Compacted thickness: Submit proposals
4. Binder course: AC 20 dense bin as regulating course
 - 4.1. Paving grade: 40/60
 - 4.2. Compacted thickness: Varies, see detail on drawing 16776/03.
5. Surface course: AC 10 dense surf
 - 5.1. Paving grade: 100/150
 - 5.2. Slip/ Skid resistance: PSV 55 (minimum)
 - 5.3. Compacted thickness: 30 mm, nominal
6. Surface treatment: Not required

30 Laying generally

1. Preparation: Remove all loose material, rubbish and standing water.
2. Adjacent work: Form neat junctions. Do not damage.
3. Channels, kerbs, inspection covers etc: Keep clean.
4. New paving
 - 4.1. Keep traffic free until it has cooled to prevailing atmospheric temperature.
 - 4.2. Do not allow rollers to stand at any time.
 - 4.3. Prevent damage.
 - 4.4. Lines and levels: With regular falls to prevent ponding.
 - 4.5. Overall texture: Smooth, even and free from dragging, tearing or segregation.
 - 4.6. Condition on completion: Clean.

35 Levels

1. Permissible deviation from the required levels, falls and cambers (maximum): In accordance with [BS 594987](#), clause 5.2.

Ω End of Section

