

NEC4

Term Maintenance Contract

Scope S2200 Client's service specification and drawings

**Series 500 – Drainage and Service Ducts
DN581359**

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570AR: Gully Set in Verge

1. New Gully in Verge: Where a gully is to be set in the verge it shall be set out as detailed in Drawing Number F110 ensuring that kerbs are laid (or the existing kerb line adjusted) to channel the surface water to the new gully. The area bounded by the new kerb and existing carriageway shall be filled with well compacted Type 1 sub-base to within 100mm of the adjoining surface level and finished with a 225mm thick ST4 concrete apron, floated smooth and levelled (set 25 – 50 mm below road level) to ensure unimpeded flow of surface water to the new gully.
2. New Gully in Verge to Replace Existing Gully in Carriageway: Where an existing gully is to be replaced by a new gully set in the verge, the existing gully grating and frame is to be carefully taken up and set aside for reuse, the existing gully chamber filled to the underside of adjoining surfacing material with ST2 concrete, the concrete surface sealed with bitumen emulsion and the surface reinstated with bituminous macadam to match the adjoining surface. A new gully shall be constructed (using the existing grating and frame) in a new location in the verge, to match the existing gully (or as otherwise instructed by the *Service Manager*) and a connection made to the surface water drain. Kerbing and concrete apron shall be constructed as described in sub-Clause 1 of this Clause.

571AR: Soakaway (Non Walled)

1. Dimensions: The surface area shape and size and the depth of the soakaway shall be as instructed by the Service Manager.
2. Materials / Construction: The soakaway / soakaway surround material shall be free draining material to Clause 505 (Backfill Materials for Filter Drains).

572AR: Small Headwall

1. Scope/Construction: Small headwalls are defined as those up to 2 sq m (in wall area), and sandbag headwalls limited to 1 sq m (in wall area). Small headwalls shall be constructed in accordance with Drawing Number F130 and the following sub-clauses.
2. Dimensions: The dimensions of headwalls and aprons (minimum area 0.75 sq m) shall be specified by the Service Manager.
3. Concrete Apron: Headwalls shall incorporate a concrete cast in situ apron as described below.

4. Concrete Block and In Situ Concrete Construction: Concrete blocks shall be a minimum strength of 7N/mm² and mortar shall be 1 part cement and 4 parts sand and shall comply with clause 2404 designation (i). In situ concrete for walls, foundations and apron shall be grade ST4. Headwalls shall be a minimum 225mm thickness, bedded on a minimum 300mm thick concrete (cast in situ) foundation slab, extended (for outlet headwalls) along the adjoining watercourse to form a concrete apron. Pipes shall be built into headwalls ensuring no cavities between headwall and pipe.
5. Concrete Bag Construction: Concrete bag headwalls shall be a minimum 300mm thick, and bags bedded on a well compacted firm foundation constructed in accordance with Cl. 519.5. The concrete bags shall be made up in accordance with Cl. 519 and tied securely when filled. Concrete bag headwalls shall be constructed on a concrete apron in compliance with sub- Clause 4 of this Clause.

573AR: Reinstatement of Drainage Trenches in the Carriageway, Footway and Verge

1. HAUC: The reinstatement of trenches in the highway shall be undertaken in accordance with the current version of the Department for Transport Specification for the Reinstatement of Openings in Highways (Statutory Code of Practice, published under Section 71 of the New Roads and Street Works Act 1991) as modified and extended by this Specification.
2. Method A : Reinstatements shall be Method A (All Permanent) unless otherwise instructed by the Service Manager.
3. Verges: On verges, existing topsoil within 200 mm of the surface of the verge must be stored and re-used. Where insufficient topsoil is available from the excavation, imported topsoil may be used to a depth of 100 mm or to match the existing depth, whichever is the lesser. The re-use of excavated materials as backfill in verges and unmade ground is to be encouraged as part of a policy of environmentally sustainable construction. Grassed areas shall be reinstated using the original turf or an equivalent seed depending on weather and growing conditions. In either case, a reasonable growth shall be established within the following 12 months. Where special features are known of in verges (e.g. orchid sites etc.) it should inform the authority to agree the best means of conserving those features.

574AR: Fill Existing Chamber, Catchpit or Gully

1. Disconnection and Filling of Existing Chambers and Gullies: The Contractor shall remove the existing cover or grating, seal all inlet and outlet pipes, remove all liquids and organic materials from inside the chamber or gully, dispose of all materials to a licensed waste disposal site (or if agreed by the Service Manager, on the site in an approved manner), fill up to existing ground level (with the material specified) deposited and well compacted in 150 mm layers.

575AR: Ironwork: Repair Bedding, Provide New and Renew and Adjust Levels

1. Materials: All old mortar and bonding material, unsound material and bedding ties shall be removed and replaced with appropriate bedding and bonding