

**SECTION M**

**GENERAL CONSTRUCTION SPECIFICATIONS**

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GENERAL CONSTRUCTION SPECIFICATIONS

ITEM 338  
APPROVED CONSTRUCTION PLANS

338.1 DESCRIPTION

This item shall govern all proposed water and sewer main construction. All future planning must adhere to these specifications. If not followed, planning and/or construction will be stopped until these specifications are met.

338.2 APPROVED CONSTRUCTION DRAWINGS

The foreman of a job site must have a copy of the same construction drawings stamped "Approved For Construction" that the inspector has or the site will be shutdown and work stopped.

A. Official Stamp, Signed and Dated

The construction drawings that are being used for any project must be the same as what the inspector has and the drawings must be stamped, signed, and dated by the General Manager of the Benbrook Water & Sewer Authority. If the plans that are being used by the Contractor are not authorized by the General Manager of the BWSA, then construction will be stopped until drawings have been approved and authorized.

B. Submittal of plans and specs for approval

4 Full-size set of plans and specs, and 2 half-size set of plans shall be submitted to BWSA for approval and authorization.

END OF ITEM

GENERAL CONSTRUCTION SPECIFICATIONS

ITEM 339  
ADJUSTMENT OF MANHOLES, VAULTS, VALVE BOXES AND INLETS

339.1 DESCRIPTION

This item shall govern for the furnishing of materials and for adjusting existing manholes, vaults, valve boxes or inlets, where required by the Plans. Adjustments shall be made to positions and/or elevations as shown on the Plans or as ordered by the Engineer and in accordance with these specifications.

339.2 MATERIALS

Rings, plates, grates, covers, and brick in good condition removed in the process of adjustment, may be re-used upon approval from the Owner. Additional materials required shall conform to the pertinent provisions for those materials of the applicable Material Specification.

339.3 CONSTRUCTION METHODS

A. General:

Gas, electric, and telephone utility manholes, vaults and valve boxes within the area to be paved or graded will be set by the Owners thereof to finished surface grade at no cost to the Contractor. Existing sewer manholes, water valves and vaults, and storm drain manholes and inlets within the area to be paved or graded shall be set to finished grade by the Contractor.

Manhole, vault, valve box or inlet rings, covers, plates, and grates shall be removed carefully and the contact areas shall be cleaned of all mortar and grease. Rings, covers, plates, or grates broken in the process of removal and cleaning shall be replaced in kind by the Contractor at his expense.

B. Adjustments in H.M.A.C. Pavement:

Except as otherwise authorized by the Engineer, adjustments within the pavement area shall not be set to final grade until the pavement has been completed. The frames and covers shall be removed and the structure covered with a steel plate unless the existing cover is sufficiently below grade so as not to form an obstruction during the construction of the subgrade or base and the spreading and rolling of the asphalt concrete. The openings shall be temporarily covered by suitable means. After the pavement has been completed, the necessary portions of the subgrade, base, and pavement shall be neatly cut with the surface of the adjacent pavement. The surrounding area from which the pavement, base or subgrade has been removed shall be backfilled to within one and

one-half (1-1/2) inches of the surface with Class "A" concrete. The remaining one and one-half (1-1/2) inches shall be backfilled with asphalt concrete wearing surface and compacted. The work shall be so performed as to present a neat and thorough workmanship appearance upon completion.

C. Adjustments in Concrete Pavement:

Existing castings and covers shall be adjusted to the grade of the new pavement at least three (3) days before placement of the new pavement, using brick, mortar, and/or concrete for raising or lowering.

D. Inlets:

Inlets which are to be adjusted shall be adjusted to the grade shown on the Plans and in accordance with Item 227, VAULT AND MANHOLE CONSTRUCTION.

339.4 MEASUREMENT

Manhole, vault, valve box or inlet adjustments as prescribed above, will be measured by each unit. The excavation and backfill involved will not be measured for payment.

339.5 PAYMENT

Each adjustment, measured as prescribed above, complete in accordance with these specifications, will be paid for at the unit price shown on the Bid Proposal. This price shall be full compensation for furnishing all required materials, including backfill as required, excavation, tools, labor, equipment and incidentals necessary to complete the required work.

END OF ITEM

GENERAL CONSTRUCTION SPECIFICATIONS

ITEM 340  
REQUIREMENTS FOR NEW SUBDIVISIONS

340.1 DESCRIPTION

This item shall govern all proposed water and sewer main planning and construction. All future planning must adhere to these specifications. If not followed, planning and/or construction will be stopped until these specifications are met.

340.2 TOPOGRAPHIC SURVEY

A topographical survey is required for all proposed water and sewer construction. For land that is being developed final plans must show existing and proposed grades. If plans do not show both the existing and proposed grades, plans will not be approved until they are provided.

340.3 WATER LINE PROFILE

For the purpose of showing required vacuum and air release valves, design plans must include both plan and profile of proposed water lines. Plans will not be approved if profile of water is not included.

340.3 GRADING PLANS

Developer shall include a grading plan when submitting plans to BWSA for review and approval.

340.4 WATER TESTING

Contact BWSA at (817) 249-1250 prior to flushing of fire hydrants for bacteriological testing and fire flow inspection.

340.3 ELECTRONIC DESIGN FILE

For the purpose of updating the Authority's water and sewer grid maps, all water and sewer development from land developers must be in a Microstation (.dgn) or Autocad (.dwg) file format. Upon construction completion electronic files shall be submitted to BWSA on a compact disc. **These electronic files must be submitted to BWSA before a letter of acceptance will be issued.**

END OF ITEM