

SECTION 02510

UTILITY GRADE ADJUSTMENTS

PART 1 – GENERAL

1.01 DESCRIPTION

- A. Section includes specifications for adjusting existing structures to new finish grade including such structures as manholes, vaults, hand holes, drainage structures, and utility valve structures, including raising or lowering and resetting existing frames, covers, grates, and lids. Including adding or replacing riser collars.

1.02 SUBMITTALS

- A. Shop Drawings: Submit shop drawings for approval showing modification for raising and lowering of each type of structure frame and cover impacted by the work of this Contract. Provide documentation that the modification can accommodate all loads resisted by the existing structure.
- B. Product Data: Submit product data for approval for cast iron and pre-cast risers for adjustment of frames, covers, lids, and grating.

PART 2 – PRODUCTS

2.01 PRODUCTS

- A. Provide cast iron or pre-cast concrete riser collars to suit existing structures, to accommodate loads resisted by the existing structure, and in accordance with the requirements of the jurisdictional authority.
- B. Miscellaneous Materials: As required and in accordance with the requirements of the jurisdictional authority and the approved shop drawings.

PART 3 – EXECUTION

3.01 ADJUSTMENT OF MANHOLE COVERS, GRATES, AND SIMILAR FACILITIES TO GRADE

- A. Adjust existing facilities as shown on the Contract Drawings by raising or lowering to match the new grade line.
- B. Construct or alter the structure to the required line and grade.
- C. Use approved cast iron or pre-cast concrete riser collar.
- D. Adjust frames and covers to new grade.
- E. Perform asphalt pavement work after structures have been adjusted to new pavement grade.

- F. Maximum adjustment of manhole covers, drainage grates, and valve covers shall be 12 inches plus or minus, unless noted otherwise.

END OF SECTION