

**CITY OF MEMPHIS – STANDARD CONSTRUCTION SPECIFICATIONS**  
**SECTION 01720 SITE PREPARATION**

**PART 1 – REFERENCE POINTS**

1.01 The Owner shall provide engineering surveys to establish reference points for construction which in the Owner's judgment are necessary to enable the Contractor to proceed with the Work. The Contractor shall be responsible for laying out the Work (unless otherwise specified in the General Requirements), shall protect and preserve the established reference points and shall make no changes or relocations without the prior written approval of the Owner. The Contractor shall report to the Owner whenever any reference point is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points by professionally qualified personnel.

**PART 2 – SURVEYING AND STAKING**

2.01 The responsibilities of the Owner and the Contractor for the surveying and staking necessary for the construction of Project facilities shall be as defined herein unless otherwise defined in the contract Documents.

2.02 The Owner will provide all surveying necessary to establish the horizontal and vertical control of the Project including the setting of monuments and benchmarks for such control.

2.03 The Contractor will provide all construction survey and staking necessary for layout and construction from the control point provided by the Owner, which shall be considered incidental to the work of the Contractor.

2.04 All surveying and staking provided by the Owner will be furnished one time only unless otherwise provided in the Contract Documents. The Contractor shall be responsible for protecting and preserving all such surveys provided by the Owner, including monuments, benchmarks, survey stakes, reference points, or other survey markers and shall be required to bear the expense of replacing or resetting same if damaged or destroyed by other than Owner forces.

2.05 The Contractor will provide all surveying and staking necessary to establish or re-establish property corners as directed by the Owner. Property corners will be established when the project has required the taking of right-of-way. Property corners will be re-established when the area of the property corner has been disturbed during construction, whether or not a property corner marker existed prior to construction. The establishment of a property corner means that a property corner is to be set in accordance with standard surveying practices and conventions. The property corner shall be marked with either a crow's foot in either the top of the curb or the back of the sidewalk on the property line where the property line is adjacent to curb and gutter construction or by the setting of a ½" diameter or larger, minimum 18 inches long, recessed iron pin. The establishment of the property corners must be performed under the supervision of a Registered Land Surveyor licensed to practice surveying in the State of Tennessee.

**END OF SECTION 01720**