

PART 200

SITE PREPARATION/REMOVAL AND REPLACEMENT WORK

TABLE OF CONTENTS

SECTION	TITLE
201	Existing Improvements
202	Removal Work
203	Removal and Replacement Items
204	Gravel Surfacing

SECTION 201 EXISTING IMPROVEMENTS

201.1 EXISTING OBSTRUCTIONS AND FACILITIES

Care shall be used while excavating, trenching, or performing other work adjacent to any facilities intended to remain in place and, except as otherwise specified, the Contractor shall be responsible for any damage to publicly and privately owned items. Any repairs required shall be promptly made at the Contractor's expense. All work in connection with removal and relocation shall be carefully done in accordance with accepted practices so as to result in the maximum salvage of materials for re-use. The Public Works Department of the City of Bel Aire shall be given the opportunity to inspect and remove all salvaged materials not utilized in the relocation or reconstruction, and the Contractor shall dispose of all salvaged materials not removed by the Public Works Department without additional cost to the City. Waste materials shall be disposed of in a satisfactory manner at approved locations without additional cost to the City. No separate or additional payment will be made for any work in connection with removal, relocation, or restoration of obstructions and existing facilities unless provided otherwise by contract or plans.

201.2 PUBLIC AND PRIVATE UTILITIES

The locations of all utilities shown on plans represent the best information available but The City does not guarantee locations. The Contractor shall make every reasonable effort to ascertain the locations of public and private utilities. The Contractor shall notify the affected parties so that proper arrangements can be made for the prompt repair and restoration of service when any utilities are unexpectedly encountered and damaged. Public and private utility facilities that interfere with construction shall be bypassed or worked around by hand excavating, tunneling, or other approved methods without additional cost to the City. Where it is not practicable to bypass or work around the facility, the Contractor shall notify the affected utility owner so that provisions for the removal or relocation of such facilities can be made. The Contractor shall notify all affected utility companies in advance of construction operations in areas where public or private utilities may be encountered.

201.3 SPRINKLER SYSTEMS

The Contractor shall notify property owners in advance, a minimum of 48-hours, who have sprinkler systems or other improvements in conflict with the new construction. The Contractor will be required to remove such improvements in a professional manner should they not be removed by the property owner at the time of construction. The Contractor will be required to salvage sprinkler heads and/or valves and place in the property owners yard.

Sprinkler systems or other improvements, not in conflict with the new construction, shall be protected from damage and shall remain in place. All work in connection with said improvements shall be considered subsidiary to other items of work.

SECTION 202 REMOVAL WORK

202.1 CLEARING RIGHT-OF-WAY

When the lump sum bid item clearing right-of-way becomes a part of the contract as shown by plans or contract bid items, the lump sum bid price for clearing right-of-way shall include all costs of removing obstructions; clearing trees, shrubs, vegetation and rubble; and all other necessary work to prepare the project site for new construction, regardless of whether or not the work is specifically shown on the plans. No other payment shall be made for any necessary removal and clearing work to prepare the project site for new construction when the bid item clearing right-of-way is a part of the contract unless provisions have been made for additional payment in the list of contract bid items.

202.2 HEDGE AND TREE REMOVAL

Hedge and trees designated for removal or located within the limits of construction shall be removed and disposed of as required. All roots two inches (2") or larger in diameter shall be removed to a depth of two feet (2') below the bottom of structures, slabs and pavements; one foot (1') below the finished elevation of graded areas. Hedge and trees not directly interfering with construction of grading shall be carefully preserved insofar as possible.

Unless otherwise indicated on the plans or in the "Project Specific" Special Provisions, all projects shall include bid items for "Large Tree Removal" and "Small Tree Removal", if applicable. Any tree 15 inches in diameter or larger, as measured 24 inches above the natural ground level shall be considered a "Large Tree" for payment purposes. Any tree less than 15 inches in diameter, as measured 24 inches above natural ground level shall be considered a "Small Tree" for payment purposes. All tree removal will be approved by the Project Engineer prior to completing the work.

Removal and disposal of all trees, all shrubs, all bushes and all vines, within the construction limits shall be considered incidental to the project.

202.3 DRAINAGE PIPE REMOVAL

All pipes shall be removed by such methods that damage to the pipe during removal operations shall be prevented. All salvageable pipes shall be transported and stored at the City Yard. The trenches from removing pipe shall be backfilled and compacted to the specified density. Pipe having no salvage value shall be disposed of by the Contractor. All work to complete the drainage pipe removal is subsidiary to other items of work.

202.4 PAVEMENT REMOVAL

Existing concrete or bituminous pavement shall be removed as required or as directed to permit new construction. The pavement shall be sawed with an approved concrete saw along all removal lines that do not terminate at a joint. The saw cut shall be to a minimum depth of one-fourth of the pavement thickness. All lines of pavement removal shall be either perpendicular to or parallel with the centerline of the street or alley pavement. The pavement shall be removed in such a manner that the remaining pavement will have a straight and vertical exposed face. Broken concrete, broken bituminous pavement, and all other rubble shall be disposed of at approved locations obtained by the Contractor at no additional expense to the City.

All work described in this subsection will be incidental to the bid item, and measured by the square yard, S.Y.

202.5 COMBINED CURB AND GUTTER REMOVAL

Combined curb and gutter designated for removal shall be broken out to the nearest joint outside the limits of new construction as shown on plans, and all waste material shall be disposed of as specified in this section on "PAVEMENT REMOVAL". The area shall then be either backfilled and compacted to the required density or further excavated as required for new construction. Removal methods shall be such so as not to fracture or damage the existing pavement.

All costs incidental to this work is subsidiary to the bid item and measured by the linear foot, L.F.

SECTION 203 REMOVAL AND REPLACEMENT ITEMS

203.1 ASPHALT DRIVEWAYS AND PARKING LOTS

Removal:

Existing driveways and parking lots composed of asphalt materials shall be removed to limits shown on the plans. The lines of removal where new construction is to join the existing asphalt mat shall be sawed, and broken asphalt material shall be disposed of as specified in section 202.4 on "PAVEMENT REMOVAL". Prior to removing any asphalt driveways or parking lots on private property, the Contractor shall notify the property owner in advance a minimum of 48-hours of the necessity and extent of such removal.

Replacement:

Asphalt driveways and parking lots replaced shall be constructed in accordance with the applicable requirements of Section 405. Asphaltic materials used in construction of driveways and parking lots shall conform to the requirements specified in Subsection 405.2 for asphalt surface course (Type SC-1) and asphalt base course (BC-1).

203.2 ASPHALT SURFACE

Removal:

The asphalt surface shall be removed from the base course of the pavement in such a manner to prevent damage to the existing base course. Asphalt surfacing shall be removed as shown on the plans, and shall include removal and disposal of the asphalt material regardless of the thickness or type of asphalt surface. The lines of removal where new construction is to join existing asphalt surface shall be sawed, and broken asphalt surface shall be disposed of as specified in section 202.4 "PAVEMENT REMOVAL".

Replacement:

Asphalt surface reconstructed on an existing base course shall meet the requirements specified in Subsection 405.2 for "Asphalt Surface Course (Type SC-1)". Asphalt surface replaced shall have an average thickness of two inches unless specified otherwise.

203.3 CONCRETE WALK, DRIVE, AND PARKING LOT REMOVAL

Removal:

Existing concrete sidewalk, driveways, and parking lots designated for removal, shall be removed to the nearest construction joint outside the limits of new construction or to a sawed joint as per plan. A minimum of 48 hours prior to removal of any existing facilities on private property, the Contractor shall notify the property owner of the necessity and extent of such removal. The removal of concrete sidewalks, driveways, and parking lots shall be as shown on the plans and as specified in Section 202.4 "Pavement Removal", and shall include sawing, removal, and disposal of the concrete from the sidewalks, driveways, and parking lots regardless of thickness, including any curbs that are an integral part of the structures.

Replacement (Private Property Only):

The property owner shall have the option of replacing the sidewalk, driveway, and parking lot at his own expense; or by private contract with the Contractor or another contractor; or having it replaced by the Contractor in conjunction with and paid for as a part of the total cost of the City's project and assessed to the property owner through specials. All sidewalk, driveways, and parking lots on private property that have been installed and are to be paid for as a part of the City's contract shall be stamped by the Contractor with numbers at least one and one-half inches (1-1/2") in height indicating the thickness of the work and to distinguish it from work done by private contract. Concrete sidewalks, driveways, and parking lots replaced shall be constructed in accordance with the requirements of the applicable sections of these specifications.

All curbs constructed in conjunction with and integral to driveways and parking lots on private property shall have essentially the same shape and dimensions of the curbs they replace or curbs that may connect.

203.4 FENCES

Removal and Replacement:

Prior to removal of fences on, or adjacent to, private property, the Contractor shall notify the owner of the private property a minimum of 48 hours in advance of such removal.

Existing fences shall be removed, replaced, and/or relocated at locations as shown by plans existing fence unsuitable for re-use shall be replaced with new fence of the same type. All fences shall be replaced in a condition at least equivalent to the existing fence prior to removal.

All work described in this subsection will be incidental to the bid item, and measured in placed by the linear foot, L.F.

203.5 MAILBOXES

Removal, Temporary Provisions and Replacement:

Prior to removal of mailboxes, the Contractor shall notify the owners and contact postal delivery authorities to arrange for the uninterrupted delivery of mail throughout the course of the project.

The Contractor shall be required to remove, temporarily reset or provide a temporary alternate and reset all mailboxes within the project limits disturbed by construction or where sufficient access for postal delivery officials cannot be supplied. Mailboxes and posts shall be replaced in a condition equal or better than their condition prior to removal. Unless otherwise included in the project specifications, all work described in this subsection shall be considered incidental to other pay items.

SECTION 204 GRAVEL SURFACING

204.1 DESCRIPTION

Gravel surfacing shall be furnished and spread to a thickness equivalent to the existing surface unless shown otherwise on the plans. Gravel shall be spread in two lifts; the first lift consisting of three-fourths (3/4) of the total thickness and the second lift consisting of the remainder of the total. Areas to receive gravel surfacing shall be excavated to such grades and elevations so that the edges of the new gravel surfacing, when placed as specified and to the required thickness, will be at the same elevation as the adjacent gravel surfacing. The amount of sand-gravel specified for the first lift shall be spread over the prepared subgrade, which shall be lightly scarified, and then combined with material from the subgrade until all voids in the granular material are filled. The surfacing material shall be sprinkled with sufficient water during manipulation to insure proper compaction. The combined materials shall then be spread uniformly over the subgrade and compacted with a roller until a dense and stable surface has been formed. The first lift shall be maintained in a moist condition by sprinkling with water until the second lift of sand-gravel is applied. The amount of sand-gravel specified for the second lift shall be spread uniformly over the surface of the first lift by a blade grader. No compaction will be required on the second lift other than that resulting from traffic.

204.2 MATERIAL

Material for gravel surfacing shall be pit run, locally available sand-gravel conforming to the requirements for Type SA-1 or SA-2 aggregate in applicable sections of KDOT Standard Specifications. All work described in this subsection will be incidental to the bid item, and measured in-place by the square yard, S.Y.