

SCOPE OF SERVICES CITY OF JUNCTION SOLID WASTE LANDFILL

The City of Junction, Texas intends to enter into contract with a professional engineer to provide engineering services to assist the City in the site selection, design and permitting of a proposed new solid waste landfill. The proposed scope of services is as follows:

Phase I – Land Selection

The City shall employ a qualified real estate agent to assist the City in the selection of a suitable landfill site that meets all the requirements of TAC 330. As sites are identified, the engineer shall perform a preliminary review to determine if the site(s) are suitable for the intended use. The preliminary analysis shall, as a minimum, include:

1. **Obtain Aerial Photography** – The engineer shall obtain aerial photography of the property and shall construct a mosaic photograph to be used for planning and analysis purposes.
2. **Perform Flood Plain Analysis** – The engineer shall research the FEMA Flood Hazard Maps to determine if any of the property lies within a 100 year flood plain.
3. **Review of Recent Water Well/Drilling Reports** – The engineer shall review water well drilling reports of any wells that may have been drilled near the property (within one mile) in order to determine a “ball park” idea of where to expect the water table, thus the depth of excavation might also be realized.
4. **Cursory Geologic Investigation** – The engineer shall review existing county Soils Conservation Service (SCS) and other documents to determine if
 - a. existing faulting lies within the area, and if so, what is the extent of the faulting;
 - b. the soil classification(s) of soils on the site; and
 - c. any other geologic conditions that might pose a fatal flaw to the property.
5. **Wetlands Determination** – The engineer shall review National Wetlands Inventory Control Maps to determine if any wetlands areas are within the boundaries of the site.
6. **Threatened and Endangered Species Data Base Review** – The engineer shall research local, state and federal threatened and endangered species data bases to determine what, if any, threatened or endangered species may be in the area.
7. **Airport Location Analysis** – The engineer shall research the location of all affected airports within a ten (10) mile radius of the property to determine if any airport hazards might exist for the property.
8. **Preparation of Preliminary Analysis Report** – The engineer shall prepare a “Preliminary Analysis Report” signed and sealed by a Professional Engineer licensed to

practice engineering in the State of Texas that outlines procedures, practices and findings for the items listed above.

Phase II – Permit Preparation

The permit shall be prepared in accordance with applicable Texas Commission on Environmental Quality (TCEQ) rules; specifically TAC Chapter 330. The engineer shall be responsible for preparing all submittals and responding to all Notices of Deficiencies (NOD's).

The permitting shall be performed in four (4) distinct phases as follows:

Part 1 – TAC 330.51(a)(1) - Preliminary information

Part 2 – TAC 330.51(a) (2) - Existing Conditions and Land Use

Part 3 - TAC 330.51(a) (3) - Site Development Plan

Part 4 - TAC 330.51(a) (4) - Site Operating Plan

Phase III – Public Hearings

The engineer shall assist the City in holding required Public Hearings, to include preparation of materials required for the hearings, making presentations and assisting the City in other matters to successfully conclude this phase of the permitting process.