

SCOPE OF WORK

1.1 CONTRACTOR'S SCOPE OF WORK

The CONTRACTOR shall furnish all labor, materials, and equipment for the construction of the work as shown and indicated on the drawings and described in the Technical Specifications. The scope of work covered by this Contract includes, but is not necessarily limited to, the following:

1. **(See Item 1a of Bid Worksheet)** – Furnish all transportation, equipment, and labor required to supply all materials and equipment at the site. CONTRACTOR will be required to unload any geosynthetic materials for cell construction. CONTRACTOR is also responsible for not damaging any geosynthetic materials during the unloading process. The mobilization/demobilization shall not exceed 5% of the total cost. A maximum of 60% of the total mobilization/demobilization cost can be billed with the first application for payment. No more than 10% of the total mobilization/demobilization cost can be billed on subsequent applications for payment. The final 10% of the total mobilization/demobilization cost can not be billed until completion all work items, demobilization of equipment and any unused materials, and leaving allocated work areas, including borrow sources, haul roads and stockpiles, in a satisfactory condition.
2. **(See Item 2a of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to excavate the construction area to the lines and grades specified in the drawings and haul excavated materials to a stockpile location as directed by the OWNER. CONTRACTOR to secure an offsite water source. This item includes the transportation of all water to the site needed for dust control, liner construction, etc.. A supplemental line item is included with Phase 6 excavation in case rock is encountered during excavation. This supplement is an estimated quantity. Please provide a unit rate for rock removal. Pay quantities will be verified in the field via survey during construction.
3. **(See Item 2b of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to relocate any waste encountered during the exposure and preparation of the existing tie-in. CONTRACTOR shall transport the removed waste to the landfill active waste disposal area as designated by the OWNER. CONTRACTOR shall notify site personnel if waste is encountered, and if the waste removal is expected to exceed 15,000 CY. This Item is an estimated quantity. Please provide a unit rate for waste removal. Pay quantities will be verified via survey during construction.
4. **(See Item 2c of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to excavate, haul, place, and compact the structural fill to the lines and grades shown on the drawings and as described and indicated in the

Technical Specifications. CONTRACTOR to secure an offsite water source. The OWNER will supply the materials for the structural fill. This item includes the transportation of all water to the site needed for dust control, liner construction, etc.

5. **(See Item 2d of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to coordinate and prepare the top of the subgrade surface for the installation of the soil layer, as described and indicated in the Technical Specifications. The CONTRACTOR shall remove rocks, organic materials, protruding waste, and other deleterious materials from the subgrade as described and indicated in the Technical Specifications. Removed rocks, organic materials, etc., shall be placed in the “active waste disposal area.” The CONTRACTOR shall protect the subgrade from desiccation, flooding, and freezing. Protection, if required, may consist of a thin plastic protective cover (or other material as approved by the OWNER) installed over the completed subgrade until such time as the placement of the subsequent soil layer begins. Subgrades found to have desiccation cracks greater than ½ inch in width or depth, or which exhibit swelling, heaving or other similar conditions shall be replaced or reworked by the CONTRACTOR at no additional cost to the OWNER to remove these defects. CONTRACTOR is to secure an offsite water source. This item includes the transportation of all water to the site needed for dust control, liner construction, etc.
6. **(See Item 2e of Bid Worksheet)** –Furnish materials, labor, and equipment necessary to excavate, haul, place, and compact the foundation layer to the lines and grades shown on the drawings and as described and indicated in the Technical Specifications. The CONTRACTOR shall remove rocks, organic materials, protruding waste, and other deleterious materials from the soil fill layer as described and indicated in the Technical Specifications. Removed rocks, organic materials, etc., shall be placed in the “active waste disposal area.” The CONTRACTOR is responsible for maintaining and repairing the soil fill layer from desiccation, flooding, and freezing. CONTRACTOR is to secure an offsite water source. This item includes the transportation of all water to the site needed for dust control, liner construction, etc.
7. **(See Item 2f of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to excavate the anchor trench, place structural fill in the anchor trench, and prepare the anchor trench subgrade as shown on the drawings and as indicated in the Technical Specifications.
8. **(See Item 2g of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to coordinate and construct the tie-in to the existing adjacent phase liner system. This item is inclusive of the tie-in for the soil layer, Geosynthetic clay liner (GCL), 60-mil high density polyethylene (HDPE) textured geomembrane, geocomposite, and the operations layer, as shown on the drawings and using the methodologies indicated in the Technical Specifications. CONTRACTOR to secure an offsite water source. This item

includes the transportation of all water to the site needed for dust control, liner construction, etc.

- 9. (See Item 2h of Bid Worksheet)** – Furnish materials, labor, and equipment necessary for the construction and installation of the leachate collection pipe (including welding), the drainage aggregate that surrounds the collection pipe, and the geotextile wrap that encompasses the drainage aggregate around the leachate collection pipe to the lines and grades shown on the drawings and as described and indicated in the Technical Specifications. The CONTRACTOR shall supply all materials. This line item will be paid based on plan quantity, not quantity placed.
- 10. (See Item 2i of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to excavate, haul, and wrap the drainage aggregate and groundwater interceptor pipe with geotextile and place the interceptor system as shown on the drawings and as described and indicated in the Technical Specifications. Outside the footprint, this item will only consist of excavation, backfilling, and installation (welding) of solid wall interceptor pipe to gravity feed to the existing header. Item includes the location and tie-in to the existing groundwater header pipe. The CONTRACTOR shall supply all materials. This line item will be paid based on plan quantity, not quantity placed.
- 11. (See Item 2j of Bid Worksheet)** – Furnish materials, labor, and equipment necessary for purchase, transportation, storage, and installation of the 60-mil HDPE Textured Geomembrane to construct the phase as shown on the drawings and as described and indicated in the Technical Specifications. This line item will be paid based on plan quantity, not quantity placed. The CONTRACTOR shall be responsible for any defects in the material or defects encountered during placement. CONTRACTOR shall repair or replace any defects at no additional cost to the OWNER.
- 12. (See Items 2k of Bid Worksheet)** – Furnish materials, labor, and equipment necessary for purchase, transportation, storage, and installation of the Geosynthetic Clay Liner (GCL) to construct the phase as shown on the drawings and as described and indicated in the Technical Specifications. This line item will be paid based on plan quantity, not quantity placed. The CONTRACTOR shall be responsible for any defects in the material or defects encountered during placement. CONTRACTOR shall repair or replace any defects at no additional cost to the OWNER.
- 13. (See Items 2l of Bid Worksheet)** – Furnish materials, labor, and equipment necessary for purchase, transportation, storage, and installation of the double sided geocomposite (220-2-6) for the leachate collection system as shown on the drawings and as described and indicated in the Technical Specifications. The CONTRACTOR shall be responsible for any defects in the material or defects encountered during placement. CONTRACTOR shall repair or replace any defects at no additional cost to the OWNER. This line item will be paid based on plan quantity, not quantity placed.

- 14. (See Items 2m of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to excavate, haul, and place the operations layer material to the lines and grades shown on the drawings and as described and indicated in the Technical Specifications. The OWNER will supply the operations layer soil.
- 15. (See Items 2n of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to excavate, haul, place, and compact the select soil/shale material used for the termination berm to the lines and grades shown on the drawings and as described and indicated in the Technical Specifications. CONTRACTOR to secure an offsite water source. The OWNER will provide a borrow source location to source the fill for the termination berm. This item includes the transportation of all water to the site needed for dust control, liner construction, etc.
- 16. (See Items 2o of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to supply and install the CMP culverts in the locations shown on the drawings.
- 17. (See Items 2p of Bid Worksheet)** – Furnish materials, labor, and equipment necessary to supply and install the aggregate surfacing for the access road and truck pad to the lines and grades as shown on the drawings.