EL RIO PRESERVE
BANK PROTECTION
PCRFCD PROJECT No. 5LKMNA
50% PLANS

GENERAL DESCRIPTION OF PROJECT
THIS PROJECT WILL INCLUDE GRADING AND CONSTRUCTION
OF 3,475 L.F. OF SOIL CEMENT BANK PROTECTION
GENERAL NOTES:

All construction and test methods shall be in accordance with the Arizona Association of Governmental (PADD) Standard Specifications and Drawings, 2015 Edition, except asawaired by the contract.

Utility locations shown on plans were compiled based on records obtained from the Tucson Water Department and the Pima County Regional Wastewater Reclamation Department. System maps were used for the location of water lines. The locations of the water lines are not guaranteed. The location of any utility lines should be verified by contacting Arizona 811 at least two full working days before excavation begins. The contractor shall notify Pima County in writing of any utility locations discovered differing from the plan information in a timely manner.

Right of way encroachments shall be removed only by the order of Pima County, unless otherwise noted.

Removal of all cut and native plants shall be in accordance with the provisions of the Arizona Native Plant Law, A.R.S. Chapter 1, Article 3, Section 1-301, Et Seq. and the Pima County Native Plant Preservation Ordinance.

The contractor shall comply with all applicable occupational safety and health administration regulations, in particular the handling of trenches.

The contractor shall obtain all permits required by all governmental agencies. Since this project is in City of Tucson, the City of Tucson will be responsible for obtaining any permits. Any fees and/or charges assessed by the City of Tucson for this project are the sole responsibility of the contractor. If the City of Tucson requires any changes to the plans or specifications, the contractor shall obtain a separate permit and/or grading permit prior to commencing such work.

Soil Information will be made available to prospective bidders. Soil information so provided shall be for informational purposes only and is not to be considered a part of the contract documents. This information has been developed as accurately as possible by utilizing standard methods. Pima County accepts no responsibility for any conditions encountered which vary from information provided.

Contour lines on the grading plan are to be used for rough grading. Specific spot elevations are to be used for final grading and construction.

The contractor shall preserve all stake-in for the levels and elevations of the project, unless approved in advance by the owner or his representative. The owner or his representative shall be liable for any expense incurred in reproducing any stake-in which the contractor or his subcontractors may have failed to preserve.

Existing vegetation beyond the limits of grading will be preserved in place prior to grading. The contractor shall mark the grade limits and conduct all field work within the boundaries that were agreed upon and marked. The contractor shall comply with all applicable laws and regulations regarding the protection of existing vegetation. The contractor shall be responsible for all damages to existing vegetation caused by the construction activities. The contractor shall be responsible for all damages to existing vegetation caused by the construction activities.

The project utilizes the Arizona Coordinate System 1983 (PADD) North Datum 1983, International Feet, and is located in the central zone. The control network was surveyed in May 2018 using Trimble SPS units utilizing RTK methods and incorporated the following control points:

- **Station (N86°43'50"W)**
  - JOE (PIMA CITY, OPPS CPL) * PRIMARY CONTROL POINT
  - JOE (PIMA CITY, OPPS CPL)
  - N 151 0102.463 (NAD)
  - N 405.2112 (NAD)
- **Surface Coordinates and/or distances were computed from the ACS 83 coordinated by applying a Project Specific Grid to a Surface Coordinate Elevator and Scale Factor (CF) at a central point (NAD 1983). Coordinates are not truncated.**
  - N LOC = (N 450 0003, N 450 0003) CF = (N 450 0003)
  - N LOC = (N 450 0003, N 450 0003) CF = (N 450 0003)

- **WHERE**: N LOC = (N 450 0003, N 450 0003) ACS 83 NORTH
  - N LOC = (N 450 0003, N 450 0003) ACS 83 EAST
  - E LOC = (E 450 0003, E 450 0003) ACS 83 EAST
  - E LOC = (E 450 0003, E 450 0003) ACS 83 AT CENTRAL POINT

- **COORDINATE FACTOR (CF)** = 1.000000

**VERTICAL CONTROL**

The vertical datum for this project is the North American Vertical Datum, 1988 (NAVD 88). The bench marks used for this project were:

- Station Reference Elevation
  - # 140 CP140 (NAD) 2085.85
  - # 414 CP141 (NAD) 2085.85
  - CP141 (NAD) 2085.85

Note: Orthometric heights (elevations) were derived from GPS ellipsoid height measurements and the application of a high-resolution hybrid geoid model.

Sema 140
Call 811 or click Arizona811.com to contact Arizona 811 at least two full working days before you begin excavation.

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**EARTHWORK QUANTITIES**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fill Cut &amp; Fill</td>
<td>20,000</td>
</tr>
<tr>
<td>Retaining Wall Excavation</td>
<td>1,000</td>
</tr>
<tr>
<td>Excavation for Foundation</td>
<td>3,000</td>
</tr>
<tr>
<td>Total Earthwork</td>
<td>24,000</td>
</tr>
</tbody>
</table>

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**LEGEND**

- Barbed Wire Fencing
- Post & Rail
- Direction of Survey
- Boundary Line
- Survey Monument
- Declaration
- Section Line & Center
- End of Line
- Property Line
- Survey Control Line
- Existing Ground Profile
- Construction Limits
- Fence Construction Event (FCE)
- N/A Line
- Unmarked Grade Revisited
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