Santa Cruz River, Paseo de las Iglesias
Pima County, Arizona
Final Feasibility Report
and
Environmental Impact Statement

APPENDIX J

BASIS OF COST ESTIMATES

July 2005

U.S. ARMY CORPS OF ENGINEERS, LOS ANGELES DISTRICT
P.O. BOX 532711
LOS ANGELES, CALIFORNIA 90053-2325
Table of Contents

I  Plan Formulation Basis of Cost Estimates
   A. Construction Costs
   B. Operation and Maintenance Costs
   C. Economic Cost Summary

II Recommended Plan MCACES Cost Estimate
   Summary Report
   Detailed Estimate
   Back Up Reports
The purpose of this Basis of Cost Estimate is to document the sources of data and assumptions used in developing the study cost estimates for the alternatives formulated in the Paseo de las Iglesias Feasibility Study.

Where possible, unit cost information was established from actual cost data provided by manufacturers. Additional historical data were derived from similar projects.

A. CONSTRUCTION COSTS

The basis for each estimated quantity item and unit cost is as follows:

1. Site Preparation/Planting: All alternatives make use, to varying degrees, of the basic dry-land restoration practices of water harvesting, soil patterning, mulch and fertilizer amendment, surface grading. As alternative water budgets are increased, less use is made of these measures. All measures, however, are applied for xeroriparian plantings. Less effort is expended on modifying micro-topography for mesoriparian planting as the digging of planting pits and placement of coarse debris to facilitate capture and retention of precipitation is reduced. This trend is continued for hydroriparian plantings. Similarly, planting cost are higher for alternatives with smaller water budgets as more mature plants are used in drier planting schemes to enhance survival rates. The costs listed below include both site preparation and planting. Costs were not added for riverbottom planting on the expectation that seeding will occur naturally. Details supporting the costs identified below can be found in Attachment B.

   a. Xeroriparian Areas
      (1) Riverbottom - $6,367/acre
      (2) Mesquite - $18,364/acre
      (3) Shrubscrub - $18,920/acre

   b. Mesoriparian Areas
      (1) Riverbottom - $6,367/acre
      (2) Cottonwood-willow - $14,750/acre
      (3) Mesquite - $15,306/acre
      (4) Shrubscrub - $18,403/acre

   c. Hydroriparian Areas
      (1) Riverbottom - $6,367/acre
      (2) Cottonwood-willow - $10,413
      (3) Mesquite - $10,970
      (4) Shrubscrub - $14,504

2. Subsurface Water Harvesting Basins: These features would involve excavating to a depth of approximately four feet, placing a liner membrane, and filling the excavated area with layers of appropriately sized gravel covered with granular fill.
a. Tributary Confluence – Two costs were developed for tributary basins. Deeper basins were envisioned for xeroriparian plans than for meso- and hydroriparian alternatives. Xeroriparian basin costs were increased by 40% to allow for the increase in size. In addition to components described above, tributary basins included costs for excavating and placing concrete on the downgrade side of the basin. Details supporting the costs identified below can be found in Attachment B.

(1) Xeroriparian Basin - $140,000/acre
(2) Meso/Hydroriparian Basin - $100,000/acre

b. Grade Control Basin – $108,000/acre

3. Bank Treatments: Reaches of steep natural banks are modified by cutting back into the overbank to create more stable slopes. Three variations were applied as a function of the amount of land available in the overbank. Where available land is not a constraint, banks are graded to a 5-to-1 horizontal-to-vertical slope (5:1 H:V) and then vegetated. Where there is not enough land to create a 5:1 slope but sufficient space exists to create slopes between 5:1 and 2:1 the banks will be laid back to the minimum slope that can be fit into the available space. These slopes will also be vegetated however; a geotextile layer will be installed before planting to increase slope stability. In areas where insufficient space exists to accommodate 2:1 slopes, placement of rip rap or soil cement may be necessary for bank protection. Such applications will be decided on a case-by-case basis. The following unit costs were used for computing costs of vegetated banks:

a. Vegetated Bank Unit Costs –

(1) Excavation - $3.75/cubic yard
(2) Geotextile - $1.00/square yard
(3) Geogrid - $3.50/square yard
(4) Labor - $6,000/acre
(5) Haul Fill - $9.00/cubic yard
(6) Finish Grading - $0.10/square foot

b. Soil Cement – Stabilized non-vegetated banks were estimated at $350.00/linear foot.

5. Perennial Flow Channel: The existing low flow channel would require grading to create a new low flow channel averaging six feet in width and one-half foot in depth. The soil comprising the bed of the new low flow channel would be amended to accelerate formation of a near surface aquitard below the streambed. This feature will help direct infiltration losses from the perennial flow laterally toward restored habitat areas to be created on either side of the channel. Grading would also create depressional areas on each side of the low flow channel approximately ten feet in width where soil saturation conditions resulting from lateral percolation would support emergent marsh communities. A cost of $80.00 per linear foot was applied to a channel length of 39,500 feet and a lump sum of $400,000 was added for hauling. This resulted in an estimated cost of $3,560,000 for the perennial flow channel.

6. Irrigation: Irrigation system costs were projected by first estimating the cost of a main line running through the project, adding an estimate for feeder lines running off the main and then installing subsurface drip irrigation to planted areas. Temporary irrigation was estimated based on
either using center pivot system or gated pipe system, depending upon the site conditions. Details supporting the costs below can be found in Attachment B.

a. Main Irrigation Line - $4,000,000/L.S.

b. Primary Distribution from Main - $7,509,350/L.S.

c. Secondary Distribution to plants - $1,000/acre

d. Temporary Irrigation - $400/acre or $50/acre

7. Diversion: The low flow diversion would be accomplished by placing a diversion structure in the New West Branch channel to pond low flows and placing culvert storm water pipes through the bank to the newly excavated reach of channel between the NWB bank and remaining OWB channel. The cost of this feature was estimated at $158,000. Details supporting this cost can be found in Attachment B.

8. Contingency: A 25% contingency was added, in accordance with Corps of Engineers regulations for feasibility study construction cost estimates.

9. Planning, Engineering & Design (PED) and Engineering During Construction (EDC): The PED and EDC were 10% and 1%, respectively.

10. Supervision & Administration (S&A): A 6.5% S&A cost was taken on the construction cost. This percentage is required by the Corps of Engineers regulations.

B. OPERATION AND MAINTENANCE COSTS

The wetland areas will be designed to closely approximate a natural riparian ecosystem and should be self-sustaining as long as sufficient amounts of water are provided. However, as in any man-made controlled system, maintenance will be required. Over time, some restored vegetated areas will require periodic pruning to reduce impacts on channel flow conveyance. The assumed maintenance schedule for the various features is shown in the table below:

1. Invasive Control: $59/acre as recommended by Parks & Recreation, Pima County.

2. Biological Survey/Vegetation Management:
   - Qualitative Survey - Assume one biologist reviews site one day per month and writes report. Total cost = 16hr/month or 192hr/year at $30/hr or $5,760/year
   - Quantitative Survey – Assume 2 biologists sample for 2 weeks, twice a year and writes report. Total cost = 320hr/year at $30/hr or $9,600/year
   - Vegetation Management – Assume 2 labors for 1 day, twice a year and $200 per day equipment. Total cost = $360/acre/year

3. Irrigation System Regular Maintenance:
   - Assumed 1% of system cost per year for irrigation main and primary distribution systems.

4. Paved Trail Maintenance: Approximately 1,000 tons every five years at @ 36.50/ton.

5. Comfort Station Maintenance: Crew of 2 laborers @ $160/day, 1.5 times/week, and $75 materials.
4. Periodic O&M: Assumed that features in the active channel or on the terraces above the active channel but between the banks would be replaced at full cost in year 25 and 40.
Attachment A
Alternative Cost Details
### ALTERNATIVE COST SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>1A</th>
<th>1B</th>
<th>2</th>
<th>3A</th>
<th>3B</th>
<th>3C</th>
<th>3D</th>
<th>3E</th>
<th>4A</th>
<th>4B</th>
<th>4C</th>
<th>4D</th>
<th>4E</th>
<th>4F</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Construction Costs</strong></td>
<td>$34,957,246</td>
<td>$39,745,057</td>
<td>$28,191,262</td>
<td>$9,806,378</td>
<td>$35,842,625</td>
<td>$9,075,675</td>
<td>$34,012,721</td>
<td>$9,269,981</td>
<td>$24,308,004</td>
<td>$24,259,102</td>
<td>$40,104,369</td>
<td>$34,573,054</td>
<td>$45,159,929</td>
<td>$43,258,505</td>
</tr>
<tr>
<td><strong>Real Estate Costs</strong></td>
<td>$14,740,828</td>
<td>$14,740,828</td>
<td>$14,687,660</td>
<td>$2,379,268</td>
<td>$14,687,660</td>
<td>$2,432,463</td>
<td>$14,740,828</td>
<td>$14,740,828</td>
<td>$2,286,224</td>
<td>$4,785,120</td>
<td>$14,873,748</td>
<td>$4,638,908</td>
<td>$14,342,068</td>
<td>$14,342,068</td>
</tr>
<tr>
<td><strong>Contingency</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$12,424,518</td>
<td>$13,621,471</td>
<td>$10,719,731</td>
<td>$3,046,412</td>
<td>$12,518,071</td>
<td>$2,877,028</td>
<td>$13,621,471</td>
<td>$13,666,952</td>
<td>$6,648,557</td>
<td>$7,261,056</td>
<td>$13,744,529</td>
<td>$9,802,990</td>
<td>$14,875,499</td>
<td>$14,400,143</td>
</tr>
<tr>
<td><strong>Engineering During Construction</strong></td>
<td>$349,572</td>
<td>$397,451</td>
<td>$281,913</td>
<td>$98,064</td>
<td>$353,846</td>
<td>$90,757</td>
<td>$340,127</td>
<td>$399,270</td>
<td>$243,080</td>
<td>$242,591</td>
<td>$401,044</td>
<td>$345,731</td>
<td>$451,599</td>
<td>$432,585</td>
</tr>
<tr>
<td><strong>Supervision and Administration</strong></td>
<td>6.5%</td>
<td>$2,272,221</td>
<td>$2,583,429</td>
<td>$1,832,432</td>
<td>$637,415</td>
<td>$2,300,001</td>
<td>$569,919</td>
<td>$2,105,827</td>
<td>$2,595,254</td>
<td>$1,580,020</td>
<td>$1,576,842</td>
<td>$2,606,784</td>
<td>$2,247,249</td>
<td>$2,935,395</td>
</tr>
<tr>
<td><strong>Adaptive Management</strong></td>
<td>3%</td>
<td>$1,048,717</td>
<td>$1,192,352</td>
<td>$845,738</td>
<td>$949,191</td>
<td>$1,061,539</td>
<td>$272,270</td>
<td>$1,020,382</td>
<td>$1,197,809</td>
<td>$729,240</td>
<td>$727,773</td>
<td>$1,203,131</td>
<td>$1,037,192</td>
<td>$1,354,798</td>
</tr>
<tr>
<td><strong>Total First Costs</strong></td>
<td>$69,288,827</td>
<td>$76,255,092</td>
<td>$59,377,862</td>
<td>$17,242,365</td>
<td>$69,844,204</td>
<td>$16,245,652</td>
<td>$67,914,545</td>
<td>$76,519,793</td>
<td>$38,225,926</td>
<td>$41,278,394</td>
<td>$76,944,042</td>
<td>$56,102,428</td>
<td>$83,635,282</td>
<td>$80,866,710</td>
</tr>
<tr>
<td><strong>Gross Investment</strong></td>
<td>$73,054,462</td>
<td>$80,399,322</td>
<td>$62,604,865</td>
<td>$18,179,435</td>
<td>$73,640,021</td>
<td>$17,128,553</td>
<td>$71,605,491</td>
<td>$80,678,407</td>
<td>$40,303,387</td>
<td>$43,521,747</td>
<td>$81,125,713</td>
<td>$59,151,422</td>
<td>$88,180,602</td>
<td>$85,263,675</td>
</tr>
<tr>
<td><strong>Average Annual Cost</strong></td>
<td>$4,394,110</td>
<td>$4,835,892</td>
<td>$3,765,583</td>
<td>$1,093,464</td>
<td>$4,429,331</td>
<td>$1,030,255</td>
<td>$4,306,957</td>
<td>$4,852,678</td>
<td>$2,424,185</td>
<td>$2,617,764</td>
<td>$4,879,583</td>
<td>$3,557,864</td>
<td>$5,303,923</td>
<td>$5,128,475</td>
</tr>
<tr>
<td><strong>O&amp;M</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Annual O&amp;M (Including Water)</strong></td>
<td>$549,915</td>
<td>$550,619</td>
<td>$87,495</td>
<td>$97,737</td>
<td>$152,371</td>
<td>$528,826</td>
<td>$583,460</td>
<td>$559,016</td>
<td>$887,500</td>
<td>$847,357</td>
<td>$942,252</td>
<td>$1,007,112</td>
<td>$1,074,122</td>
<td>$1,308,294</td>
</tr>
<tr>
<td><strong>Periodic O&amp;M</strong></td>
<td>$343,948</td>
<td>$338,131</td>
<td>$341,203</td>
<td>$135,173</td>
<td>$341,203</td>
<td>$107,578</td>
<td>$313,427</td>
<td>$307,610</td>
<td>$308,866</td>
<td>$428,928</td>
<td>$434,745</td>
<td>$350,315</td>
<td>$350,315</td>
<td>$350,315</td>
</tr>
<tr>
<td><strong>Total O&amp;M</strong></td>
<td>$893,863</td>
<td>$888,749</td>
<td>$428,518</td>
<td>$232,910</td>
<td>$493,394</td>
<td>$636,403</td>
<td>$896,887</td>
<td>$866,625</td>
<td>$1,196,386</td>
<td>$1,276,285</td>
<td>$1,376,997</td>
<td>$1,357,426</td>
<td>$1,430,254</td>
<td>$1,658,608</td>
</tr>
<tr>
<td><strong>Total Average Annual Cost</strong></td>
<td>$5,287,973</td>
<td>$5,724,641</td>
<td>$4,194,101</td>
<td>$1,326,375</td>
<td>$4,922,724</td>
<td>$1,666,659</td>
<td>$5,203,844</td>
<td>$5,719,304</td>
<td>$3,620,570</td>
<td>$3,894,049</td>
<td>$6,256,580</td>
<td>$4,915,291</td>
<td>$6,734,177</td>
<td>$6,787,083</td>
</tr>
<tr>
<td>CODE OF ACCT</td>
<td>QTY</td>
<td>UNIT</td>
<td>UNIT PRICE</td>
<td>COST WITHOUT CONTINGENCY</td>
<td>CONTINGENCY</td>
<td>COST WITH CONTINGENCY</td>
<td>CONTINGENCY PERCENTAGE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-----</td>
<td>------</td>
<td>------------</td>
<td>--------------------------</td>
<td>-------------</td>
<td>----------------------</td>
<td>-------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01-----------</td>
<td>Real Estate</td>
<td>1 LS</td>
<td>$26,242,106</td>
<td>26,242,106</td>
<td>0</td>
<td>26,242,106</td>
<td>0%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Construction</td>
<td>1 EA</td>
<td>12,429,160</td>
<td>12,429,160</td>
<td>1,864,374</td>
<td>14,293,533</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Historic Floodplain</td>
<td>1 EA</td>
<td>11,449,481</td>
<td>11,449,481</td>
<td>1,717,422</td>
<td>13,166,903</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Natural Slope</td>
<td>1 EA</td>
<td>1,027,626</td>
<td>1,027,626</td>
<td>154,144</td>
<td>1,181,770</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Second Bench</td>
<td>1 EA</td>
<td>6,824,456</td>
<td>6,824,456</td>
<td>1,023,668</td>
<td>7,848,124</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>First Bench</td>
<td>1 EA</td>
<td>2,890,600</td>
<td>2,890,600</td>
<td>433,590</td>
<td>3,324,190</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Tributary Basins</td>
<td>1 EA</td>
<td>534,132</td>
<td>534,132</td>
<td>80,120</td>
<td>614,252</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Grade Control Basins</td>
<td>1 EA</td>
<td>167,217</td>
<td>167,217</td>
<td>25,083</td>
<td>192,300</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Irrigation Piping</td>
<td>1 EA</td>
<td>4,591,880</td>
<td>4,591,880</td>
<td>688,782</td>
<td>5,280,662</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Paved Maintenance Roads</td>
<td>1 EA</td>
<td>1,378,125</td>
<td>1,378,125</td>
<td>206,719</td>
<td>1,584,844</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Gravel Maintenance Roads</td>
<td>1 LS</td>
<td>195,201</td>
<td>195,201</td>
<td>29,280</td>
<td>224,481</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Compacted Earth Maintenance Roads</td>
<td>1 LS</td>
<td>24,319</td>
<td>24,319</td>
<td>3,648</td>
<td>27,967</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Bridges</td>
<td>1 LS</td>
<td>1,485,733</td>
<td>1,485,733</td>
<td>222,860</td>
<td>1,708,593</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-----------</td>
<td>Let Down Structures</td>
<td>1 LS</td>
<td>281,619</td>
<td>281,619</td>
<td>42,243</td>
<td>323,862</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-----------</td>
<td>Recreation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-----------</td>
<td>Parking Areas</td>
<td>1 LS</td>
<td>218,932</td>
<td>218,932</td>
<td>32,840</td>
<td>251,772</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-----------</td>
<td>DG Trails</td>
<td>1 LS</td>
<td>192,894</td>
<td>192,894</td>
<td>29,934</td>
<td>222,828</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-----------</td>
<td>Comfort Stations</td>
<td>3 EA</td>
<td>130,000</td>
<td>390,000</td>
<td>58,500</td>
<td>448,500</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-----------</td>
<td>Paved Trail amenities, curb splice, ADA ramps, signs, markings</td>
<td>1 LS</td>
<td>13,000</td>
<td>13,000</td>
<td>1,950</td>
<td>14,950</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-----------</td>
<td>Signage</td>
<td>21 EA</td>
<td>40</td>
<td>40</td>
<td>126</td>
<td>96</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-----------</td>
<td>Rest Stops</td>
<td>5 EA</td>
<td>4,000</td>
<td>20,000</td>
<td>3,000</td>
<td>23,000</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-----------</td>
<td>Concrete Benches</td>
<td>21 EA</td>
<td>900</td>
<td>18,900</td>
<td>2,835</td>
<td>21,735</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td></td>
<td></td>
<td>73,682,937</td>
<td>7,116,125</td>
<td>80,799,062</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE&amp;D - Note (2)</td>
<td></td>
<td></td>
<td>47,440,831</td>
<td>54,556,956</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restoration</td>
<td>1 LS</td>
<td></td>
<td>4,658,627</td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recreation</td>
<td>1 LS</td>
<td></td>
<td>85,457</td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL PED</td>
<td></td>
<td></td>
<td>4,744,083</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDC - Note (3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restoration</td>
<td>1 LS</td>
<td></td>
<td>465,863</td>
<td>1%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recreation</td>
<td>1 LS</td>
<td></td>
<td>9,828</td>
<td>1%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL EDC</td>
<td></td>
<td></td>
<td>475,690</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S&amp;A - Note (4)</td>
<td>1 LS</td>
<td></td>
<td>3,546,202</td>
<td>6.5%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adaptive Management - Note (5)</td>
<td>1 LS</td>
<td></td>
<td>1,870,205</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monitoring - Note 6</td>
<td>1 LS</td>
<td></td>
<td>623,304</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL PROJECT COSTS($) (Including contingency)</td>
<td></td>
<td></td>
<td>92,058,546</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE (1) Total Contingency is 15%
(2) Total PE&D at 10%
(3) Total EDC at 1%
(4) Six and five tenths percent (6.5%) for S&A
(5) Three percent (3%) for Adaptive Management, (applied to total with contingency).
(6) One percent (1%) for monitoring, (applied to total with contingency)

RESTORATION

First Costs
- Construction & Real Estate: $72,828,371
- Construction Costs: $46,586,265
- Real Estate Costs: $26,242,106
- Contingency: $6,987,940
- PED: $4,658,627
- Eng. During Construction: $465,863
- Construction Mgmt: $3,482,323
- Adaptive Mgmt: $1,870,205
- Monitoring: $623,304

Paseo_MCACES Summary:
- Restoration: $4,658,627
- Recreation: $85,457
- TOTAL PE&D: $4,744,083
- Restoration: $465,863
- Recreation: $9,828
- TOTAL EDC: $475,690
- S&A: $3,546,202
- Adaptive Management: $1,870,205
- Monitoring: $623,304
- TOTAL PROJECT COSTS: $92,058,546
Total First Costs $90,916,632
Interest During Construction $4,941,039
Gross Investment $95,857,671
Average Annual Costs $5,765,687
OMRRR $1,869,961
Total Average Annual Costs $7,635,648

RECREATION

First Costs
Construction & Real Estate $854,566
Construction Costs $854,566
Real Estate Costs $0
Contingency $128,185
PED $85,457
Eng. During Construction $9,828
Construction Mgmt $63,879
Total First Costs $1,141,914
Interest During Construction $13,123
Gross Investment $1,155,037
Average Annual Costs $69,474
OMRRR $36,260
Total Average Annual Costs $105,734

$92,058,546
Paseo de las Iglesias Feas Study
Los Reals Road to Congress Road
Santa Cruz River, City of
Tucson, Pima County, Arizona

Designed By: DMA, Inc.
Estimated By: US Army Corps Of Engineers
Prepared By: Phillip Eng
USACE, Los Angeles District
Preparation Date: 07/19/04
Effective Date of Pricing: 07/19/04
Est Construction Time: 360 Days
Sales Tax: 0.00%
This project is located in eastern Pima County, Arizona. The study area extends along the Santa Cruz River between Congress Street downstream to Los Reals Road upstream for a total length of approximately 7.5 miles. The study area varies from 0.5 miles to 1.6 miles wide and encompasses approximately 5005 acres.
See Paseo_MCACES Summary.xls for the input amounts

Escalation, (Inflation/Interest During Construction) = $4,941,039
Contingency, Restoration = $6,987,940
### 01. LANDS AND DAMAGES (REAL ESTATE)

Lands and Damages = $26,242,106 (See Paseo_MCACES Summary.xls)

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>OUM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26,200,000</td>
<td></td>
</tr>
</tbody>
</table>

### 09. CONSTRUCTION (RESTORATION)

#### 09. 01. IRRIGATION PLANTING

- **09. 01.001. Historic Floodplain**
  - Excavate furrows for flood irrigation, assume furrows on 8' centers, slope not greater than 0.5%, for max. 600 lf distance, 65 acres of existing mesquite will not be disturbed, 15 acres of road (9.5 paved, 4.4 compacted earth, 1.1 gravel) will not be planted. Furrows will be seeded but not subject to other planting activities.

- **09. 01.001. 1. Fencing for Erosion Control**
  - 656 acres = 28,575,360 sf
  - Square root of 28,575,360 = 5346 lf
  - 5346 lf x 4 = 21,384 LF (perimeter)
  - AF GC <01534 0010 > Fencing, 11 ga, chain link, 5' high
    - 21384 LF ALABCLAB2 12.50 3,421 75,723 0 76,555 0 152,278 7.12
  - TOTAL Fencing for Erosion Control 656.00 ACR 3,421 75,723 0 76,555 0 152,278 232.13

- **09. 01.001. 2. Clearing & Grubbing, Debris**
  - AF GC <02109 0420 > Clear & grub, burning, incinerator, light
    - 656.00 ACR UOEHB40A 0.28 9,338 271,648 202,076 0 473,723 722.14
  - TOTAL Clearing & Grubbing, Debris 328.00 ACR 9,338 271,648 202,076 0 473,723 1444.28

- **09. 01.001. 3. Site Preparation**
  - **09. 01.001. 3.01. Ripping, discing to prepare surface**
    - RSM GC <02238 0010 > Ripping, trap rock, soft, 200 HP dozer, ideal conditions
      - 5900.00 CY CODTB10B 88.75 100 2,987 4,383 0 7,369 1.25
    - Assume 10 cy/acre
    - TOTAL Ripping, discing to prepare 590.00 ACR 100 2,987 4,383 0 7,369 12.49

---

**LAbor ID: A50401**  **EQUIP ID: NAT99C**  **CURRENCY IN DOLLARS**  **CREW ID: NAT01A**  **UPB ID: UP01EA**
### 09. CONSTRUCTION (RESTORATION)

#### 09. 01. IRRIGATION PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.001. 3.02. Regrade to req'd slopes, flatten (cont'd) balance cut material onsite.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;02224 7020 &gt;</td>
<td>Excavating, bulk, dozer, 300 HP, large area, open site, rough</td>
<td>2950.00 CY</td>
<td>CODTB10M</td>
<td>300.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assume 10 cy/acre</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Regrade to req'd slopes, flatten</td>
<td>295.00 ACR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 3.03. Regrade Surface, scraper-grader (cont'd) balance, max depth 36&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;02226 3110 &gt;</td>
<td>Excavation, bulk, 9 cycle/hr, push loaded self prop scraper, 16 BCY</td>
<td>14455 CY</td>
<td>CODSB33D</td>
<td>112.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assume 10 cy/acre</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Regrade Surface, scraper-grader</td>
<td>1445000 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 4. Excavation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIV GC &lt;02224 2500 &gt;</td>
<td>Excavating, bulk, light matl, 150' push, dozer, open site, 90 HP</td>
<td>176990 CY</td>
<td>CODTB10W</td>
<td>38.75</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Excavation</td>
<td>176990 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 5. Compaction (tractor wheel, one (COFCB10G) (cont'd) pass.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;02220 5900 &gt;</td>
<td>Compaction of backfill, structural, SP roller, 6&quot; lift</td>
<td>529173 CY</td>
<td>COFCB10F</td>
<td>117.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assume the roller speed is 7 mph.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Compaction</td>
<td>529173 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 09. 01. IRRIGATION PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN GC</td>
<td>ROLLER, VIB, SD, SP 13.0T</td>
<td>96.37 HR</td>
<td>1.00</td>
<td>0</td>
<td>0</td>
<td>5,280</td>
<td>0</td>
<td>5,280</td>
</tr>
<tr>
<td>(11.8MT), 84&quot; (2.1M) W, SHEEPS FOOT</td>
<td>R4525580</td>
<td>0.00</td>
<td>0.00</td>
<td>54.79</td>
<td>0.00</td>
<td>0.00</td>
<td>54.79</td>
<td></td>
</tr>
<tr>
<td>TOTAL Compaction (tractor wheel, one)</td>
<td>3561940 LF</td>
<td>6,918</td>
<td>206,632</td>
<td>214,833</td>
<td>0</td>
<td>0</td>
<td>421,465</td>
<td>0.12</td>
</tr>
</tbody>
</table>

#### 09. 01.001. 6. Trenching for Water Supply Pipes

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL GC &lt;02228 0200 &gt;</td>
<td>Excavate trench, light soil, 4'-6' D, 1 CY gradall</td>
<td>17050 CY</td>
<td>96.00</td>
<td>355</td>
<td>11,265</td>
<td>11,159</td>
<td>0</td>
<td>22,424</td>
</tr>
<tr>
<td>TOTAL Trenching for Water Supply Pipes</td>
<td>17050 CY</td>
<td>355</td>
<td>11,265</td>
<td>11,159</td>
<td>0</td>
<td>0</td>
<td>22,424</td>
<td>1.32</td>
</tr>
</tbody>
</table>

#### 09. 01.001. 7. Pipe bedding, crushed stone

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>M MIL GC &lt;02704 0300 &gt;</td>
<td>Drainage, drainage matl, 3/4&quot; gravel fill in trench</td>
<td>13110 CY</td>
<td>32.50</td>
<td>1,210</td>
<td>61,638</td>
<td>6,100 615,383</td>
<td>0</td>
<td>651,765</td>
</tr>
<tr>
<td>TOTAL Pipe bedding, crushed stone</td>
<td>13110 CY</td>
<td>1,210</td>
<td>61,638</td>
<td>6,100</td>
<td>615,383</td>
<td>0</td>
<td>651,765</td>
<td>49.72</td>
</tr>
</tbody>
</table>

#### 09. 01.001. 8. Install gated 12" PVC pipe for (cont'd) furrow flooding

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>B MIL GC &lt;02667 4560 &gt;</td>
<td>Piping, water dist, PVC, class 150, SDR 18, AWWA C900, 12&quot;</td>
<td>114720 LF</td>
<td>50.00</td>
<td>9,178</td>
<td>306,245</td>
<td>0</td>
<td>329,246</td>
<td>137,664</td>
</tr>
<tr>
<td>M=$2.87/lf, Delivery = $1.20/lf See Kim Gavigan's e-mail dated 07/20/04.</td>
<td>114720 LF</td>
<td>9,178</td>
<td>306,245</td>
<td>0</td>
<td>329,246</td>
<td>137,664</td>
<td>773,155</td>
<td>6.74</td>
</tr>
<tr>
<td>TOTAL Install gated 12&quot; PVC pipe for furrow flooding</td>
<td>114720 LF</td>
<td>9,178</td>
<td>306,245</td>
<td>0</td>
<td>329,246</td>
<td>137,664</td>
<td>773,155</td>
<td>6.74</td>
</tr>
</tbody>
</table>

#### 09. 01.001. 9. Install "U" outlet tubes with (cont'd) fittings, one per furrow.

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>M MIL GC &lt;02667 4430 &gt;</td>
<td>Piping, water dist, 3/4&quot;, PVC, press pipe, CL200, SDR 21 coupling</td>
<td>5940.00 EA</td>
<td>14.25</td>
<td>1,667</td>
<td>55,638</td>
<td>0</td>
<td>832</td>
<td>0</td>
</tr>
<tr>
<td>This cost item is for &quot;U&quot; outlet tubes. To be used for furrows, and there are 5940 furrows, each furrow requires 600 lf of tubes, then, 5940 x 600 = 3,564,000 lf 3564000 / 50' per coil = 71,280 71,280 ea x $4.50(*) = $320,760</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Labor ID: A50401**  
**Equip ID: NAT99C**  
**Currency in DOLLARS**  
**Cre W ID: NAT01A**  
**UPB ID: UP01EA**
09. CONSTRUCTION (RESTORATION)

### 09.01. Irrigation Planting

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>
| $320,760 / 5940 = $54.00/ea

(* Ryan Herco Products, (800)
848-1141, www.tygon.com, Tygon
UV Resistant Tubing
Formulation R3400, AAE00046, ID = 5/8, OD=7/8)

---

**TOTAL Install "U" outlet tubes with:** 5940.00 EA

1,667 55,638 0 832 0 56,469 9.51

---

**09.01.00. Backfill pipe trench, side cast**

(continue)

**(cont'd) surplus cut on site.**

<table>
<thead>
<tr>
<th>MIL GC &lt;02215 1215 &gt; Backfill, trench, dozer, no compaction, 200 HP</th>
<th>Quanty</th>
<th>Output</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>4590.00 CY CODTB10B</td>
<td>284.38</td>
<td>24</td>
<td>725</td>
<td>1,064</td>
<td>0</td>
<td>0</td>
<td>1,789</td>
<td>0.39</td>
</tr>
</tbody>
</table>

---

**TOTAL Backfill pipe trench, side cast**: 4590.00 CY

24 725 1,064 0 0 1,789 0.39

---

**09.01.01. Planting & Seeding**

**09.01.01.01. Mulching, hay, 1" deep, power**

(continue)

**mulcher, large**

Productivity is quoted from Means Crew B65.

Material cost = $19.15/MSF x 43.56 MSF/acr = $834.17/acr (See Eldon Kraft's spreadsheet attachment e-mailed on 07/14/04)

<table>
<thead>
<tr>
<th>M MIL GC &lt;</th>
<th>&gt; Outside Laborer</th>
<th>Quanty</th>
<th>Output</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>367.11 HR X-LABORER</td>
<td>1.00</td>
<td>1.00</td>
<td>20.47</td>
<td>0.00</td>
<td>0.09</td>
<td>0.00</td>
<td>20.56</td>
<td></td>
<td></td>
</tr>
<tr>
<td>367.11 HR X-TRKDVRLT</td>
<td>1.00</td>
<td>1.00</td>
<td>25.38</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>25.38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>367.11 HR T50F0099</td>
<td>1.00</td>
<td>0.00</td>
<td>0.00</td>
<td>7,501</td>
<td>0</td>
<td>0</td>
<td>5,701</td>
<td>15.53</td>
<td></td>
</tr>
<tr>
<td>367.11 HR L1523880</td>
<td>1.00</td>
<td>0.00</td>
<td>0.00</td>
<td>10,662</td>
<td>0</td>
<td>0</td>
<td>10,662</td>
<td>29.04</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Mulching, hay, 1" deep, power**: 558.00 ACR

734 16,333 16,363 465,500 0 498,695 893.72

---

**Labor ID**: A20401 **Equipment ID**: NAT99C

**Currency in DOLLARS**

**CREW ID**: NAT01A **UPB ID**: UP01EA
### 09. 01. IRRIGATION PLANTING

#### 09.01.01.02. Crimping, Tilling topsoil, (cont'd) 20 HP tractor, disk harrow, 6" deep

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP GC &lt; ROTARY HOE, 80&quot; WIDE ROTERRA (ADD 40 HP PTO TRACTOR)</td>
<td>0.00</td>
<td>0.00</td>
<td>1.29</td>
<td>0.00</td>
<td>0.00</td>
<td>1.29</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAP GC &lt; TRACTOR, WH, FARM, 40-59 HP, 2X4</td>
<td>0.00</td>
<td>0.00</td>
<td>7.67</td>
<td>0.00</td>
<td>0.00</td>
<td>7.67</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt; Outside Equip. Operator, Light</td>
<td>1.00</td>
<td>30.80</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>30.80</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Crimping, Tilling topsoil,**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ACR</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>558.00</td>
<td></td>
<td>2,232</td>
<td>68,754</td>
<td>19,991</td>
<td></td>
<td></td>
<td>88,745</td>
<td>159.04</td>
<td></td>
</tr>
</tbody>
</table>

#### 09.01.01.03. Seeding, athletic field mix

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSM GC 02932 0010 &gt; Seeding, athletic field mix, #/MSFpush spreader</td>
<td>1.00</td>
<td>22.13</td>
<td>0.00</td>
<td>47.42</td>
<td>0.00</td>
<td>69.55</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Seeding, athletic field mix,**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ACR</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>623.00</td>
<td>27,138</td>
<td>600,618</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3029.70</td>
<td></td>
</tr>
</tbody>
</table>

#### 09.01.01.04. Place Coarse Woody debris/rocks

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL GC &gt; Outside Laborer (4)</td>
<td>1.00</td>
<td>20.47</td>
<td>0.00</td>
<td>50.00</td>
<td>50.00</td>
<td>100.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Place Coarse Woody debris/rocks**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ACR</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>558.00</td>
<td>365,541</td>
<td>27,900</td>
<td>27,900</td>
<td>421,341</td>
<td>755.09</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09.01.01.05. Plant Mesquite/Shrub mix using (cont'd) 5 gallon plants

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>USR GC &gt; Planting of 5-gallon plants See bid result of Rio Salado Ph 1A</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>15.00</td>
<td>15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Plant Mesquite/Shrub mix using**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ACR</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>250729</td>
<td>3,760,935</td>
<td>3,760,935</td>
<td>15.00</td>
<td>15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Planting & Seeding**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ACR</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>558.00</td>
<td>47,960</td>
<td>1051746</td>
<td>64,254</td>
<td>1780284</td>
<td>11930.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Historic Floodplain**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>ACR</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
<th>Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>87,267</td>
<td>2225592</td>
<td>658,160</td>
<td>2802300</td>
<td>9584651</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 09. 01. IRRIAGATION PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

#### 09. 01.005. Graded Slope
Grade steep banks to 5:1 slope (20%), install 8" PVC leach field pipe for subsurface irrigation, pipes 10' c-c.

#### 09. 01.005. 1. Fencing for Erosion Control

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

#### 09. 01.005. 2. Clearing & Grubbing, debris
(cont'd) removal, etc.

#### 09. 01.005. 3. Excavation, strl, mach excav.
(cont'd) sand/loam, 2 cy bkt

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

#### 09. 01.005. 4. Excavation, steep slopes, 5:1

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

### 09. 01.005. 1. Fencing for Erosion Control

102 acr = 4,443,120 sf
Square root of 4,443,120 = 2108 lf
2108 lf x 4 = 8,432 lf (perimeter)

#### AF GC <01534 0010 > Fencing, 11 ga, chain link, 5' high

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

#### AF GC <02109 0420 > Clear & grub, burning, incinerator, light

14.23 414.10 308.04 0.00 0.00 722.14

#### MIL GC <02228 0372 > Excavate trench, mdm soil, 6'-10' D, 2 CY excavator

9,464 300,071 341,812 0 0 641,883

#### MIL GC <0234 1115 > Hauling, hwy haulers, 16.5 CY, 6 mi round trip @ 40 MPH (2.1 cyc/hr)

34,703 937,101 1753227 0 0 2,690,328

#### MIL GC <02215 1215 > Backfill, trench, dozer, no compaction, 200 HP

6,431 191,716 281,264 0 0 472,979

---

**Currency in DOLLARS**

**LABOR ID: A50401**  **EQUIP ID: NAT99C**  **CREW ID: NAT01A**  **UPB ID: UP01EA**

---

**Eff. Date 07/19/04**  **PROJECT PASEO1: Paseo de las Iglesias Feas Study - Los Reals Road to Congress Road**

**TIME 14:36:09**  **DETAILED ESTIMATE**  **TRACES**
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fill, spread dumped material</td>
<td>1213390 CY</td>
<td>6,431</td>
<td>191,176</td>
<td>281,264</td>
<td>0</td>
<td>0</td>
<td>472,979</td>
<td>0.39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.005.4.03. Compaction, sheepfoot/wobbly (cont'd) whirl roller, 12&quot; lifts, 2 passes</td>
<td>AF GC &lt;02220 5660 &gt;</td>
<td>6,067</td>
<td>167,933</td>
<td>189,046</td>
<td>0</td>
<td>0</td>
<td>356,979</td>
<td>0.29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.005.5. Fine grading to 20% slope, (cont'd) for irregular areas, adverse cond.</td>
<td>MIL GC &lt;02226 4100 &gt;</td>
<td>5,324</td>
<td>149,044</td>
<td>93,995</td>
<td>0</td>
<td>0</td>
<td>243,040</td>
<td>45.65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.005.6. Header Pipe Laying</td>
<td>MIL GC &lt;02228 0340 &gt;</td>
<td>2540</td>
<td>21</td>
<td>664</td>
<td>615</td>
<td>0</td>
<td>1,279</td>
<td>0.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.005.6.02. Header Trench bedding, 3/4&quot; (cont'd) gravel pipe support</td>
<td>M MIL GC &lt;02244 1510 &gt;</td>
<td>94</td>
<td>2,846</td>
<td>3,850</td>
<td>16,320</td>
<td>0</td>
<td>23,017</td>
<td>22.57</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Currency in DOLLARS

LABOR ID: A50401 EQUIP ID: NAT99C CREW ID: NAT01A UPB ID: UP01EA
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.01.005. 6.03. Install medium diam. PVC Header (cont’d) pipe (8&quot;)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M MIL GC &lt;02667 4060 &gt; Piping, water dist, 8&quot;, PVC, press pipe, class 200, SDR 21</td>
<td>7620.00 LF</td>
<td>ULABB20A</td>
<td>40.00</td>
<td>762</td>
<td>25,427</td>
<td>0</td>
<td>72,085</td>
<td>0</td>
<td>97,512</td>
</tr>
<tr>
<td>TOTAL Install medium diam. PVC Header</td>
<td>7620.00 LF</td>
<td></td>
<td>762</td>
<td>25,427</td>
<td>0</td>
<td>72,085</td>
<td>0</td>
<td>97,512</td>
<td>12.80</td>
</tr>
<tr>
<td>9.01.005. 6.04. Backfill trench, FE loader, (cont’) whl mtd., 1CY bkt, min haul</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;02215 1220 &gt; Backfill, trench, front-end loader, 40 - 60 HP, no compaction</td>
<td>1020.00 CY</td>
<td>CODFB10N</td>
<td>50.00</td>
<td>31</td>
<td>916</td>
<td>759</td>
<td>0</td>
<td>0</td>
<td>1,675</td>
</tr>
<tr>
<td>TOTAL Backfill trench, FE loader,</td>
<td>1020.00 CY</td>
<td></td>
<td>31</td>
<td>916</td>
<td>759</td>
<td>0</td>
<td>0</td>
<td>1,675</td>
<td>1.64</td>
</tr>
<tr>
<td>9.01.005. 6.05. Hauling, surplus cut mat'l, (cont') no loading, 10 mile RT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AF GC &lt;02234 0555 &gt; Hauling, hwy haulers, 12 CY, 12 mile round trip @ base wide rate</td>
<td>1530.00 CY</td>
<td>COEIB34B</td>
<td>20.00</td>
<td>77</td>
<td>2,068</td>
<td>3,666</td>
<td>0</td>
<td>0</td>
<td>5,734</td>
</tr>
<tr>
<td>TOTAL Hauling, surplus cut mat'l,</td>
<td>1530.00 CY</td>
<td></td>
<td>77</td>
<td>2,068</td>
<td>3,666</td>
<td>0</td>
<td>0</td>
<td>5,734</td>
<td>3.75</td>
</tr>
<tr>
<td>TOTAL Header Pipe Laying</td>
<td>7620.00 LF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.01.005. 7. 8&quot; PVC Leach Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.01.005. 7.01. Excavate trench, 12&quot; depth by (cont’d) 36&quot;, 1-1/2&quot; CY backhoe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;02228 0340 &gt; Excavate trench, lt soil, 6''-10' D, 1.5 CY excavator</td>
<td>99020 CY</td>
<td>CODEB12B</td>
<td>242.50</td>
<td>812</td>
<td>25,894</td>
<td>23,973</td>
<td>0</td>
<td>0</td>
<td>49,866</td>
</tr>
<tr>
<td>TOTAL Excavate trench, 12&quot; depth by</td>
<td>99020 CY</td>
<td></td>
<td>812</td>
<td>25,894</td>
<td>23,973</td>
<td>0</td>
<td>0</td>
<td>49,866</td>
<td>0.50</td>
</tr>
<tr>
<td>9.01.005. 7.02. Install low perm geotextile in (cont’d) trench as pipe bedding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M CIV GC &lt;02250 2130 &gt; Geotextile fabric, 60 mil thick, non-woven polypropylene</td>
<td>148700 SY</td>
<td>ULABA2</td>
<td>187.50</td>
<td>2,379</td>
<td>56,179</td>
<td>14,662</td>
<td>90,707</td>
<td>0</td>
<td>161,548</td>
</tr>
<tr>
<td>TOTAL Install low perm geotextile in</td>
<td>148700 SY</td>
<td></td>
<td>2,379</td>
<td>56,179</td>
<td>14,662</td>
<td>90,707</td>
<td>0</td>
<td>161,548</td>
<td>1.09</td>
</tr>
</tbody>
</table>
### 09. 01. Irrigation Planting

#### 09. 01.005. 7.03. Install 8" PVC leach pipe for sub-surface irrigation

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.08</td>
<td></td>
<td>ELABB20A</td>
<td>50.00</td>
<td>35,647</td>
<td>623,826</td>
<td>133,677</td>
<td>1,947,006</td>
<td>4.37</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Productivity = 501 ft/hr
M=$1.40/lf, Delivery = $0.30/lf
(See Gavigan's e-mail dated 07/20/04)

TOTAL Install 8" PVC leach pipe for:

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>35,647</td>
<td>1189503</td>
<td>623,826</td>
<td>133,677</td>
<td>1,947,006</td>
<td>4.37</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.005. 7.04. Install leach pipe filter "sock"

A call was made to Crumpler Plastic Pipe, Inc. www.cpp-pipe.com, (800) 334-5071 on 05/27/04 for a price quotation of "Silt Guard Filter Sock", part #0820020b, Farm Slots Sock, 20' lengths. "Emilee" quoted that the material cost is $1.21/lf, and the freight is about $1,770 to $2,100. A truckload can be 5000'. From their plant in North Carolina to Phoenix, AZ is about 1,000 mile in distance.

Assume a medium freight cost of $2,000 per truckload, then, the cost per linear foot of the pipe filter sock is:

\[ \text{Cost per linear foot} = \text{Material cost per foot} + \frac{\text{Transportation cost}}{\text{Total length}} = 1.21 + \frac{2,000}{5000} = 1.61 \text{/lf} \]

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0</td>
<td>539,164</td>
<td>178,236</td>
<td>717,400</td>
<td>1.61</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL Install leach pipe filter "sock":

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>539,164</td>
<td>178,236</td>
<td>717,400</td>
<td>1.61</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.005. 7.05. Install pipe fittings as needed

There is a total of 44560 pipe fittings for this cost item. Let's use:

- Elbows = 50% x 44560 = 22,280 ea
- Tees = 30% x 44560 = 13,368 ea
- Couplings = 10% x 44560 = 4,456 ea
- Reducers = 10% x 44560 = 4,456 ea

TOTAL Install pipe fittings as needed:

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>12,000</td>
<td>0</td>
<td>15,000</td>
<td>0</td>
<td>27,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.005. 7.06. Backfill trench, FE loader, whl (cont'd) mtd, 1 CY bkt, min haul

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.03</td>
<td>0.90</td>
<td>0.74</td>
<td>0.00</td>
<td>0.00</td>
<td>0</td>
<td>153,367</td>
<td>1.64</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL Backfill trench, FE loader, whl:

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,801</td>
<td>83,902</td>
<td>69,465</td>
<td>0</td>
<td>0</td>
<td>153,367</td>
<td>1.64</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QUANTITY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7.07. Hauling, surplus cut matl, no (cont'd) loading, 10 mile RT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>09. 01.005. 7.07. Hauling, hwy haulers, 12 CY, 12 mile round trip &amp; base wide rate</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5790.00 CY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>COEIB34B</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>20.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>290.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>13,875.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>21,701.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3.75</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Hauling, surplus cut matl, no</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5790.00 CY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>290.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>13,875.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>21,701.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3.75</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL 8&quot; PVC Leach Pipe Laying</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>445590 LF</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>41,929.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>121,975.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1268697.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>311,913.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3,077,888.00</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>6.91</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

09. 01.005. 8. Planting & Seeding

<table>
<thead>
<tr>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>09. 01.005. 8.01. Mulch, hay, 1&quot; deep, power (cont'd) mulcher, large</strong></td>
</tr>
<tr>
<td><strong>M MIL GC &lt;</strong></td>
</tr>
<tr>
<td><strong>Outside Laborer</strong></td>
</tr>
<tr>
<td><strong>67.11 HR X-LABORER</strong></td>
</tr>
<tr>
<td><strong>1.00</strong></td>
</tr>
<tr>
<td><strong>67.00</strong></td>
</tr>
<tr>
<td><strong>20.47</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>20.56</strong></td>
</tr>
<tr>
<td><strong>MIL GC &lt;</strong></td>
</tr>
<tr>
<td><strong>Outside Truck Driver, Light</strong></td>
</tr>
<tr>
<td><strong>67.11 HR X-TRKDVRDLT</strong></td>
</tr>
<tr>
<td><strong>1.00</strong></td>
</tr>
<tr>
<td><strong>67.00</strong></td>
</tr>
<tr>
<td><strong>25.38</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>25.38</strong></td>
</tr>
<tr>
<td><strong>EP GC &lt;</strong></td>
</tr>
<tr>
<td><strong>TRK, HWY, 21,000 GVW, 4X2, 2 AXLE</strong></td>
</tr>
<tr>
<td><strong>67.11 HR T50PO009</strong></td>
</tr>
<tr>
<td><strong>1.00</strong></td>
</tr>
<tr>
<td><strong>67.00</strong></td>
</tr>
<tr>
<td><strong>15.53</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>15.53</strong></td>
</tr>
<tr>
<td><strong>GEN GC &lt;</strong></td>
</tr>
<tr>
<td><strong>HYDROMULCHER, 3,000 GAL(11,356L) TRK MTD (W/ 56,000GVW TRK)</strong></td>
</tr>
<tr>
<td><strong>67.11 HR L1523880</strong></td>
</tr>
<tr>
<td><strong>1.00</strong></td>
</tr>
<tr>
<td><strong>67.00</strong></td>
</tr>
<tr>
<td><strong>29.04</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>29.04</strong></td>
</tr>
<tr>
<td><strong>USR GC &lt;</strong></td>
</tr>
<tr>
<td><strong>Material cost</strong></td>
</tr>
<tr>
<td><strong>102.00 ACR N/A</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>834.17</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>834.17</strong></td>
</tr>
<tr>
<td><strong>TOTAL Mulch, hay, 1&quot; deep, power</strong></td>
</tr>
<tr>
<td><strong>102.00 ACR</strong></td>
</tr>
<tr>
<td><strong>134.00</strong></td>
</tr>
<tr>
<td><strong>3,077.00</strong></td>
</tr>
<tr>
<td><strong>2,991.00</strong></td>
</tr>
<tr>
<td><strong>85,091.00</strong></td>
</tr>
<tr>
<td><strong>85,085.00</strong></td>
</tr>
<tr>
<td><strong>91,159.00</strong></td>
</tr>
<tr>
<td><strong>893.72</strong></td>
</tr>
</tbody>
</table>

09. 01.005. 8.02. Crimping, tilling topsoil (cont'd) 20 HP tractor, disk harrow, 6" deep

<table>
<thead>
<tr>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>09. 01.005. 8.02. CRIMPING, TILLING TOPSOIL</strong></td>
</tr>
<tr>
<td><strong>EP GC &lt;</strong></td>
</tr>
<tr>
<td><strong>ROTARY HOE, 80&quot; WIDE ROTERRA (ADD 40 HP PTO TRACTOR)</strong></td>
</tr>
<tr>
<td><strong>408.00 HR T10LE001</strong></td>
</tr>
<tr>
<td><strong>1.00</strong></td>
</tr>
<tr>
<td><strong>408.00</strong></td>
</tr>
<tr>
<td><strong>2.10</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>2.10</strong></td>
</tr>
<tr>
<td><strong>MAP GC &lt;</strong></td>
</tr>
<tr>
<td><strong>TRACTOR, WH, FARM, 40-59HP, 2X4</strong></td>
</tr>
<tr>
<td><strong>408.00 HR T25JD005</strong></td>
</tr>
<tr>
<td><strong>1.00</strong></td>
</tr>
<tr>
<td><strong>408.00</strong></td>
</tr>
<tr>
<td><strong>7.67</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>7.67</strong></td>
</tr>
<tr>
<td><strong>MIL GC &lt;</strong></td>
</tr>
<tr>
<td><strong>Outside Equip. Operator, Light</strong></td>
</tr>
<tr>
<td><strong>408.00 HR X-EQOPRTL</strong></td>
</tr>
<tr>
<td><strong>1.00</strong></td>
</tr>
<tr>
<td><strong>408.00</strong></td>
</tr>
<tr>
<td><strong>30.80</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>0.00</strong></td>
</tr>
<tr>
<td><strong>30.80</strong></td>
</tr>
<tr>
<td><strong>TOTAL Crimping, tilling topsoil</strong></td>
</tr>
<tr>
<td><strong>102.00 ACR</strong></td>
</tr>
<tr>
<td><strong>408.00</strong></td>
</tr>
<tr>
<td><strong>12,568.00</strong></td>
</tr>
<tr>
<td><strong>3,654.00</strong></td>
</tr>
<tr>
<td><strong>16,222.00</strong></td>
</tr>
<tr>
<td><strong>159.04</strong></td>
</tr>
</tbody>
</table>
## 09. 01. IRRIGATION PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>COST UNIT</th>
</tr>
</thead>
</table>

### 09. 01.005. 8.03. Seeding, athletic field mix,

| M RSM GC <02932 0010 > Seeding, athletic field mix, #/MSFpush spreader | 4443.12 MSF ALABCLAB1 | 1.00 | 4,443 | 98,335 | 0 | 210,693 | 0 | 309,028 | 69.55 |
| | 102 acres = 4,443.12 msf |
| TOTAL Seeding, athletic field mix, | 102.00 ACR | 4,443 | 98,335 | 0 | 210,693 | 0 | 309,028 | 3029.69 |

### 09. 01.005. 8.04. Place Coarse Woody debris/rocks

| M MIL GC < > Outside Laborer (4) | 3264.00 HR X-LABORER | 1.00 | 3,264 | 66,819 | 0 | 0 | 66,819 | 20.47 |
| | 102.00 ACR N/A | 0 | 5,100 | 5,100 | 0 | 10,200 | 100.00 |
| TOTAL Place Coarse Woody debris/rocks | 102.00 ACR | 3,264 | 66,819 | 5,100 | 5,100 | 0 | 77,019 | 755.09 |

### 09. 01.005. 8.05. Plant Mesquite/Shrub mix using (cont'd) 5 gallon plants

| USR GC < > Planting of 5-gallon plants See bid result of Rio Salado Ph 1A | 45675 EA | 0.00 | 0 | 0 | 0 | 685,125 | 685,125 | 15.00 |
| | TOTAL Plant Mesquite/Shrub mix using | 45675 EA | 0 | 0 | 0 | 0 | 685,125 | 685,125 | 15.00 |
| TOTAL Planting & Seeding | 102.00 ACR | 8,249 | 180,799 | 11,745 | 300,884 | 685,125 | 1,178,554 | 11554.45 |
| TOTAL Graded Slope | 1.00 EA | 115,227 | 3384867 | 2817665 | 1688173 | 997,038 | 8,887,743 | 8887743 |

### 09. 01.010. Natural Slope

Install 8" PVC leach field pipe for subsurface irrigation on natural slopes, pipes set at 10' c-c

### 09. 01.010. 1. Fencing for Erosion Control

| AF GC <01534 0010 > Fencing, 11 ga, chain link, 5' high | 3542.00 LF ALABCLAB2 | 12.50 | 567 | 12,543 | 0 | 12,680 | 0 | 25,223 | 7.12 |
| | 18 acres = 784,080 sf Perimeter = 3542 lf |
| TOTAL Fencing for Erosion Control | 18.00 ACR | 567 | 12,543 | 0 | 12,680 | 0 | 25,223 | 1401.27 |
## 09. 01. IRRIGATION PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

### 09.01.010.2 Clearing and Grubbing, debris

| AF GC <02109 0420 > | Clear & grub, burning, incinerator, light | 13.00 ACR UOEHB40A | 0.28 | 185 | 5,383 | 4,005 | 0 | 0 | 9,388 | 722.14 |

### 09.01.010.3 Header Trenching

#### 09.01.010.3.01 Excavate header trench, 12" dep.

| MIL GC <02228 0340 > | Excavate trench, lt soil, 6'-10' | 86.00 CY CODEB12B | 242.50 | 1 | 22 | 21 | 0 | 0 | 43 | 0.50 |

#### 09.01.010.3.02 Header Trench bedding, 3/4" gravel pipe support

| M MIL GC <02244 1510 > | Base course, crushed stone, 3/4" max size, compacted, 12"D, large areas | 35.00 CY COFGB36C | 54.38 | 3 | 98 | 132 | 560 | 0 | 790 | 22.57 |

#### 09.01.010.3.03 Install med. diam. PVC Header

| M MIL GC <02667 4060 > | Piping, water dist, 8", PVC, press pipe, class 200, SDR 21 | 1520.00 LF ULABB20A | 40.00 | 152 | 5,072 | 0 | 14,379 | 0 | 19,451 | 12.80 |

#### 09.01.010.3.04 Backfill trench, FE loader, (cont'd) wheel loader, 1cy bkt, min haul

| MIL GC <02215 1220 > | Backfill, trench, front-end loader, 40 - 60 HP, no compaction | 35.00 CY CODFB10N | 50.00 | 1 | 31 | 26 | 0 | 0 | 57 | 1.64 |

---

**LABOR ID:** AZ0401  **EQUIP ID:** NAT99C  **CREW ID:** NAT01A  **UPB ID:** UP01EA
## 09. 01. IRRIGATION PLANTING

### QUANTITY UOM CREW ID OUTPUT MANHRS LABOR EQUIPMENT MATERIAL OTHER TOTAL COST UNIT COST

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hauling, surplus cut matl, no (cont'd) loading, 10 mile RT</td>
<td></td>
<td></td>
<td></td>
<td>0.05</td>
<td>1.35</td>
<td>2.40</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>3.75</td>
<td>3.75</td>
</tr>
<tr>
<td>AF GC &lt;02234 0555 &gt; Hauling, hwy haulers, 12 CY, 12 mile round trip @ base wide rate</td>
<td>52.00 CY</td>
<td>COEB34B</td>
<td>20.00</td>
<td>3</td>
<td>70</td>
<td>125</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>315</td>
<td>3.75</td>
</tr>
<tr>
<td>TOTAL Hauling, surplus cut matl, no</td>
<td>52.00 CY</td>
<td></td>
<td>3</td>
<td>70</td>
<td>125</td>
<td>0</td>
<td>0</td>
<td>195</td>
<td>3.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Header Trenching</td>
<td>1520.00 LF</td>
<td></td>
<td>160</td>
<td>5,294</td>
<td>304</td>
<td>14,939</td>
<td>0</td>
<td>0</td>
<td>20,537</td>
<td>13.51</td>
<td></td>
</tr>
</tbody>
</table>

### 09. 01.010. 4. 8" PVC Leach Pipe Laying

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excavate trench, 12&quot; depth by (cont'd) 36&quot;, 1-1/2&quot; CY backhoe</td>
<td></td>
<td></td>
<td></td>
<td>0.01</td>
<td>0.26</td>
<td>0.24</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.50</td>
<td>0.50</td>
</tr>
<tr>
<td>MIL GC &lt;02228 0340 &gt; Excavate trench, lt soil, 6'-10' D, 1.5 CY excavator</td>
<td>16780 CY</td>
<td>CODEB12B</td>
<td>242.50</td>
<td>138</td>
<td>4,388</td>
<td>4,062</td>
<td>0</td>
<td>8,450</td>
<td>0</td>
<td>8,450</td>
<td>0.50</td>
</tr>
<tr>
<td>TOTAL Excavate trench, 12&quot; depth by</td>
<td>16780 CY</td>
<td></td>
<td>138</td>
<td>4,388</td>
<td>4,062</td>
<td>0</td>
<td>8,450</td>
<td>0.50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Install low perm geotextile in (cont'd) trench as pipe bedding</td>
<td></td>
<td></td>
<td></td>
<td>0.02</td>
<td>0.38</td>
<td>0.10</td>
<td>0.61</td>
<td>0.00</td>
<td>1.09</td>
<td>27,377</td>
<td>1.09</td>
</tr>
<tr>
<td>M CIV GC &lt;02250 2130 &gt; Geotextile fabric, 60 mil thick, non-woven polypropylene</td>
<td>25200 SY</td>
<td>ULABA2</td>
<td>187.50</td>
<td>403</td>
<td>9,521</td>
<td>2,485</td>
<td>15,372</td>
<td>27,377</td>
<td>1.09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Install low perm geotextile in</td>
<td>25200 SY</td>
<td></td>
<td>403</td>
<td>9,521</td>
<td>2,485</td>
<td>15,372</td>
<td>27,377</td>
<td>1.09</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Install 8&quot; PVC leach pipe for (cont'd) subsurface irrigation</td>
<td></td>
<td></td>
<td></td>
<td>0.08</td>
<td>2.67</td>
<td>0.00</td>
<td>1.40</td>
<td>0.30</td>
<td>4.37</td>
<td>329,941</td>
<td>4.37</td>
</tr>
<tr>
<td>B MIL GC &lt;02667 4060 &gt; Piping, water dist, 8&quot;, PVC, press pipe, class 200, SDR 21</td>
<td>75510 LF</td>
<td>ULABB20A</td>
<td>50.00</td>
<td>6,041</td>
<td>201,574</td>
<td>0</td>
<td>105,714</td>
<td>22,653</td>
<td>329,941</td>
<td>4.37</td>
<td></td>
</tr>
<tr>
<td>TOTAL Install 8&quot; PVC leach pipe for</td>
<td>75510 LF</td>
<td></td>
<td>6,041</td>
<td>201,574</td>
<td>0</td>
<td>105,714</td>
<td>22,653</td>
<td>329,941</td>
<td>4.37</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 09. 01.010. 4.04. Install leach pipe filter "sock"

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leach Pipe Filter Sock</td>
<td></td>
<td></td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>1.21</td>
<td>0.40</td>
<td>1.61</td>
<td>121,571</td>
<td>1.61</td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>75510 LF</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>91,367</td>
<td>30,204</td>
<td>121,571</td>
<td>1.61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Install leach pipe filter &quot;sock&quot;</td>
<td>75510 LF</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>91,367</td>
<td>30,204</td>
<td>121,571</td>
<td>1.61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UOM</td>
<td>CREW ID</td>
<td>OUTPUT</td>
<td>MANHRS</td>
<td>LABOR</td>
<td>EQUIPMENT</td>
<td>MATERIAL</td>
<td>OTHER</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-----</td>
<td>---------</td>
<td>--------</td>
<td>--------</td>
<td>-------</td>
<td>-----------</td>
<td>----------</td>
<td>-------</td>
<td>------------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>09. 01.10. 4.05.</td>
<td>Install pipe fittings as needed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.10. 4.06.</td>
<td>Backfill trench, FE loader, whl (cont'd) mtd, 1 CY bkt, min haul</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.10. 4.07.</td>
<td>Hauling, surplus cut matl, no (cont'd) loading, 10 mile RT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.10. 5.</td>
<td>Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 09. 01. Irrigation Planting

#### 09. 01.10. 4.05. Install pipe fittings as needed

- **Total count**: 7,560 ea
- **TOTAL**: 0 12,000 0 8,000 0 20,000

#### 09. 01.10. 4.06. Backfill trench, FE loader, whl (cont'd)

<table>
<thead>
<tr>
<th>LOAD ID:</th>
<th>EQUIP ID:</th>
<th>LABOR ID:</th>
<th>CREW ID:</th>
<th>UPB ID:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAT99C</td>
<td>AZ0401</td>
<td>NAT01A</td>
<td>UP01EA</td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.10. 4.07. Hauling, surplus cut matl, no (cont'd)

- **TOTAL**: 15830 CY 475 14,223 11,776 0 0 25,999 1.64

#### 09. 01.10. 5. Planting & Seeding

- **TOTAL 8" PVC Leach Pipe Laying**: 75510 LF 7,106 243,044 20,696 220,453 52,857 537,049 7.11

---

**Note:** Currency in DOLLARS
### 09. 01. IRRIGATION PLANTING

#### 09. 01.010. 5.02. Crimping, tilling topsoil
(cont'd) 20 HP tractor, disk harrow, 6" deep

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Crew ID</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP GC &lt; ROTARY HOE, 80&quot; WIDE ROTERRA (ADD 40 HP PTO TRACTOR)</td>
<td>0.00</td>
<td>0.00</td>
<td>1.29</td>
<td>0.00</td>
<td>1.29</td>
<td>93</td>
<td>0</td>
<td>0</td>
<td>93</td>
<td>1.29</td>
</tr>
<tr>
<td>MAP GC &lt; TRACTOR, WH, FARM, 40-59HP, 2X4</td>
<td>0.00</td>
<td>0.00</td>
<td>7.67</td>
<td>0.00</td>
<td>7.67</td>
<td>552</td>
<td>0</td>
<td>0</td>
<td>552</td>
<td>7.67</td>
</tr>
<tr>
<td>MIL GC &lt; Outside Equip. Operator, Light</td>
<td>1.00</td>
<td>30.80</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL Crimping, tilling topsoil</td>
<td>18.00</td>
<td>ACR</td>
<td>2,218</td>
<td>645</td>
<td>0</td>
<td>0</td>
<td>2,863</td>
<td>159.04</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.010. 5.03. Seeding, athletic fld mix,

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Crew ID</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>M RSM GC &lt;02932 0010 &gt; Seeding, athletic field mix, 8#/MSPush spreader</td>
<td>1.00</td>
<td>22.13</td>
<td>0.00</td>
<td>47.42</td>
<td>0.00</td>
<td>69.55</td>
<td>784.08 MSF ALABCLAB1</td>
<td>17,353</td>
<td>0</td>
<td>54,534</td>
</tr>
<tr>
<td>TOTAL Seeding, athletic fld mix,</td>
<td>18.00</td>
<td>ACR</td>
<td>784</td>
<td>17,353</td>
<td>0</td>
<td>54,534</td>
<td>3029.69</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.010. 5.04. Place Coarse Woody debris/rocks

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Crew ID</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>M MIL GC &lt; Outside Laborer (4)</td>
<td>1.00</td>
<td>20.47</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>20.47</td>
<td>576.00 HR X-LABORER</td>
<td>0</td>
<td>0</td>
<td>11,792</td>
</tr>
<tr>
<td>USR GC &lt; Material and equipment</td>
<td>0.00</td>
<td>0.00</td>
<td>50.00</td>
<td>50.00</td>
<td>0.00</td>
<td>100.00</td>
<td>18.00 ACR N/A</td>
<td>0</td>
<td>900</td>
<td>1,800</td>
</tr>
<tr>
<td>TOTAL Place Coarse Woody debris/rocks</td>
<td>18.00</td>
<td>ACR</td>
<td>576</td>
<td>11,792</td>
<td>900</td>
<td>1,800</td>
<td>755.09</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.010. 5.05. Plant Mesquite/Shrub mix using (cont'd) 5 gallon plants

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Crew ID</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>USR GC &lt; Planting of 5-gallon plants See bid result of Rio Salado Ph 1A</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>15.00</td>
<td>15.00</td>
<td>7740.00 EA</td>
<td>0</td>
<td>116,100</td>
<td>116,100</td>
</tr>
<tr>
<td>TOTAL Plant Mesquite/Shrub mix using</td>
<td>7740.00</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>116,100</td>
<td>116,100</td>
<td>15.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### TOTAL Planting & Seeding

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Crew ID</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>18.00</td>
<td>ACR</td>
<td>1,456</td>
<td>31,906</td>
<td>2,073</td>
<td>53,097</td>
<td>116,100</td>
<td>203,176</td>
<td></td>
<td>11287.54</td>
</tr>
</tbody>
</table>

#### TOTAL Natural Slope

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Crew ID</th>
<th>Output</th>
<th>Manhrs</th>
<th>Labor</th>
<th>Equipment</th>
<th>Material</th>
<th>Other</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Natural Slope</td>
<td>1.00</td>
<td>EA</td>
<td>9,473</td>
<td>298,169</td>
<td>27,076</td>
<td>301,170</td>
<td>168,957</td>
<td>795,373</td>
<td>795,372.60</td>
<td></td>
</tr>
</tbody>
</table>
### 09.01. Irrigation Planting

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MDHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.01.015. Second Bench</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Install 8&quot; PVC leach field pipe for subsurface irrigation on the second bench riparian features; pipes set at 10' c-c</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF GC &lt;01534 0010 &gt; Piping, irrgation, 10 ga, chain link, 5' high</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.16</td>
<td>3.54</td>
<td>0.00</td>
<td>3.58</td>
<td>0.00</td>
<td>7.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9296.00 LF ALABCLAB2</td>
<td>12.50</td>
<td>1,487</td>
<td>32,918</td>
<td>0</td>
<td>33,280</td>
<td>0</td>
<td>66,198</td>
<td>7.12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>124 acres = 5,401,440 sf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perimeter = 9296 lf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Fencing for Erosion Control</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>124.00 ACR</td>
<td>1,487</td>
<td>32,918</td>
<td>0</td>
<td>33,280</td>
<td>0</td>
<td>66,198</td>
<td>533.85</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.015. 1. Fencing for Erosion Control</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF GC &lt;01534 0010 &gt; Piping, irrgation, 10 ga, chain link, 5' high</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.16</td>
<td>3.54</td>
<td>0.00</td>
<td>3.58</td>
<td>0.00</td>
<td>7.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9296.00 LF ALABCLAB2</td>
<td>12.50</td>
<td>1,487</td>
<td>32,918</td>
<td>0</td>
<td>33,280</td>
<td>0</td>
<td>66,198</td>
<td>7.12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>124 acres = 5,401,440 sf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perimeter = 9296 lf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Fencing for Erosion Control</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>124.00 ACR</td>
<td>1,487</td>
<td>32,918</td>
<td>0</td>
<td>33,280</td>
<td>0</td>
<td>66,198</td>
<td>533.85</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.015. 2. Clearing and Grubbing, debris (con't) removal, etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF GC &lt;02109 0420 &gt; Clear &amp; grub, burning, incinerator, light</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.23</td>
<td>414.10</td>
<td>308.04</td>
<td>0.00</td>
<td>0.00</td>
<td>722.14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>124 acres = 5,401,440 sf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perimeter = 9296 lf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Clearing and Grubbing, debris</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>124.00 ACR</td>
<td>1,487</td>
<td>32,918</td>
<td>0</td>
<td>33,280</td>
<td>0</td>
<td>66,198</td>
<td>722.14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.015. 3. Header Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MIL GC &lt;02228 0340 &gt; Excavate trench, lt soil, 6'-10' D, 1.5 CY excavator</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.01</td>
<td>0.26</td>
<td>0.24</td>
<td>0.00</td>
<td>0.00</td>
<td>0.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500.00 CY CODEB12B</td>
<td>242.50</td>
<td>4</td>
<td>131</td>
<td>121</td>
<td>0</td>
<td>0</td>
<td>252</td>
<td>0.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Excavate header trench, 12'' dep.</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500.00 CY</td>
<td>4</td>
<td>131</td>
<td>121</td>
<td>0</td>
<td>0</td>
<td>252</td>
<td>0.50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.015. 3.02. Header Trench bedding, 3/4&quot; gravel pipe support</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>M MIL GC &lt;02244 1510 &gt; Base course, crushed stone, 3/4'' max size, compacted, 12''D, large areas</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.09</td>
<td>2.79</td>
<td>3.77</td>
<td>16.00</td>
<td>0.00</td>
<td>22.57</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200.00 CY COFGB36C</td>
<td>54.38</td>
<td>18</td>
<td>558</td>
<td>755</td>
<td>3,200</td>
<td>0</td>
<td>4,513</td>
<td>22.57</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Header Trench bedding, 3/4''</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200.00 CY</td>
<td>18</td>
<td>558</td>
<td>755</td>
<td>3,200</td>
<td>0</td>
<td>4,513</td>
<td>22.57</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.01.015. 3.03. Install med. diam. PVC Header (con't) pipe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>M MIL GC &lt;02667 4060 &gt; Piping, water dist, 8'', PVC, press pipe, class 200, SDR 21</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.10</td>
<td>3.34</td>
<td>0.00</td>
<td>9.46</td>
<td>0.00</td>
<td>12.80</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8080.00 LF ULABB20A</td>
<td>40.00</td>
<td>808</td>
<td>26,962</td>
<td>0</td>
<td>76,437</td>
<td>0</td>
<td>103,399</td>
<td>12.80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 09. 01. IRRI GA NTION PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>8080.00</td>
<td>LF</td>
<td>26,962</td>
<td>0</td>
<td>76,437</td>
<td>0</td>
<td>103,399</td>
<td>12.80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.015. 3.04. Backfill trench, FE loader, (cont'd) whl mtd. lcy bkt, min haul

**MIL GC <02215 1220 >** Backfill, trench, front-end loader, 40 - 60 HP, no compaction

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>200.00</td>
<td>CY</td>
<td>50.00</td>
<td>6</td>
<td>180</td>
<td>149</td>
<td>328</td>
<td>1.64</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.015. 3.05. Hauling, surplus cut matl, no (cont'd) loading, 10 mile RT

**AF GC <02234 0555 >** Hauling, hwy haulers, 12 CY, 12 mile round trip @ base wide rate

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>300.00</td>
<td>CY</td>
<td>20.00</td>
<td>15</td>
<td>405</td>
<td>719</td>
<td>1,124</td>
<td>3.75</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 09. 01.015. 4. 8" PVC Leach Pipe Laying

#### 09. 01.015. 4.01. Excavate trench, 12" depth by (cont'd) 36", 1-1/2" CY backhoe

**MIL GC <02228 0340 >** Excavate trench, lt soil, 6'-10' L, 1.5 CY excavator

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>121260</td>
<td>CY</td>
<td>242.50</td>
<td>994</td>
<td>31,709</td>
<td>29,357</td>
<td>61,067</td>
<td>0.50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 01.015. 4.03. Install 8" PVC leach pipe for (cont'd) subsurface irrigation

**B MIL GC <02667 4060 >** Piping, water dist, 8", PVC, press pipe, class 200, SDR 21

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>545686</td>
<td>LF</td>
<td>50.00</td>
<td>43,655</td>
<td>1456709</td>
<td>0</td>
<td>763,960</td>
<td>163,706</td>
<td>2,384,375</td>
<td>4.37</td>
</tr>
</tbody>
</table>

#### 09. 01.015. 4.04. Install leach pipe filter "sock"

**USR GC < >** Leach Pipe Filter Sock

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>660,273</td>
<td>218,272</td>
<td>878,545</td>
<td>1.61</td>
</tr>
</tbody>
</table>
### 09. 01. Irrigation Planting

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Install leach pipe filter &quot;sock&quot;</td>
<td>545680 LF</td>
<td></td>
<td></td>
<td>660,273</td>
<td>218,272</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>878,545</td>
<td>1.61</td>
</tr>
<tr>
<td>09. 01.05. Install pipe fittings as needed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total count = 54,570 ea</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Install pipe fittings as needed</td>
<td>0</td>
<td>15,000</td>
<td>0</td>
<td>10,000</td>
<td>0</td>
<td>25,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.06. Backfill trench, FE loader, whl (cont'd) mtd, 1 CY bkt, min haul</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;02215 1220 &gt; Backfill, trench, front-end loader, 40 - 60 HP, no compaction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>114360 CY CODFB10N</td>
<td>50.00</td>
<td>3,431</td>
<td>102,752</td>
<td>85,072</td>
<td>0</td>
<td>0</td>
<td>187,825</td>
<td>1.64</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Backfill trench, FE loader, whl</td>
<td>114360 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>187,825</td>
<td>1.64</td>
</tr>
<tr>
<td>09. 01.07. Hauling, surplus cut matl, no (cont'd) loading, 10 mile RT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AF GC &lt;02234 0555 &gt; Hauling, hwy haulers, 12 CY, 12 mile round trip @ base wide rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7090.00 CY COEIB34B</td>
<td>20.00</td>
<td>355</td>
<td>9,583</td>
<td>16,990</td>
<td>0</td>
<td>0</td>
<td>26,573</td>
<td>3.75</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Hauling, surplus cut matl, no</td>
<td>7090.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>26,573</td>
<td>3.75</td>
</tr>
<tr>
<td>TOTAL 8&quot; PVC Leach Pipe Laying</td>
<td>545686 LF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,563,384</td>
<td>6.53</td>
</tr>
<tr>
<td>09. 01.5. Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.5.01. Mulch, hay, 1&quot; deep, power (cont'd) mulcher, large</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; Outside Laborer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>82.24 HR X-LABORER</td>
<td>1.00</td>
<td>82</td>
<td>1,684</td>
<td>0</td>
<td>7</td>
<td>0</td>
<td>1,691</td>
<td>20.56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; Outside Truck Driver, Light</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>82.24 HR X-TRKDVRLT</td>
<td>1.00</td>
<td>82</td>
<td>2,087</td>
<td>0</td>
<td>0</td>
<td>2,087</td>
<td>25.38</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; TRK,HWY, 21,000 GVW, 4X2, 2 AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>82.24 HR T50F0009</td>
<td>1.00</td>
<td>0</td>
<td>0</td>
<td>1,277</td>
<td>0</td>
<td>0</td>
<td>1,277</td>
<td>15.53</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; HYDROMULCHER, 3,000 GAL(11,356L) TRK MTD (W/ 56,000GVW TRK)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>82.24 HR L1523880</td>
<td>1.00</td>
<td>0</td>
<td>0</td>
<td>2,388</td>
<td>0</td>
<td>0</td>
<td>2,388</td>
<td>29.04</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; Material cost</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125.00 ACR N/A</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>104,271</td>
<td>834.17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; Material cost</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125.00 ACR N/A</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>104,271</td>
<td>834.17</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Currency in DOLLARS**
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>125.00</td>
<td>ACR</td>
<td>164</td>
<td>3,771</td>
<td>3,666</td>
<td>104,279</td>
<td>0</td>
<td>111,715</td>
<td>893.72</td>
<td></td>
</tr>
</tbody>
</table>

**09. 01. Irrigation Planting**

### 09. 01.015. 5.02. Crimping, tilling topsoil

(cont'd) 20 HP tractor, disk harrow, 6" deep

| EP GC < | > ROTARY HOE, 80" WIDE ROTERRA (ADD 40 HP PTO TRACTOR) | 500.00 HR | T10LE001 | 1.00 | 0 | 0 | 645 | 0 | 0 | 645 | 1.29 |
| MAP GC < | > TRACTOR, WH, FARM, 40-59HP, 2X4 | 500.00 HR | T25JD005 | 1.00 | 0 | 0 | 3,833 | 0 | 0 | 3,833 | 7.67 |
| MIL GC < | > Outside Equip. Operator, Light | 500.00 HR | X-EQPRLT | 1.00 | 500 | 15,402 | 0 | 0 | 15,402 | 30.80 |

TOTAL Crimping, tilling topsoil

| 125.00 ACR | 500 | 15,402 | 4,478 | 0 | 0 | 19,880 | 159.04 |

### 09. 01.015. 5.03. Seeding, athletic fld mix,

| M RSM GC <02932 0010 > Seeding, athletic field mix, 8#/MSFpush spreader | 5445.00 MSF | ALABCLAB1 | 1.00 | 5,445 | 120,509 | 0 | 258,202 | 0 | 378,711 | 69.55 |

125 acres = 5,445 msf

TOTAL Seeding, athletic fld mix,

| 125.00 ACR | 5,445 | 120,509 | 0 | 258,202 | 0 | 378,711 | 3029.69 |

### 09. 01.015. 5.04. Place Coarse Woody debris/rocks

| M MIL GC < | > Outside Laborer (4) | 4000.00 HR | X-LABORER | 1.00 | 4,000 | 81,886 | 0 | 840 | 0 | 82,726 | 20.68 |
| USR GC < | > Material and equipment | 125.00 ACR | N/A | 0.00 | 0 | 0 | 6,250 | 6,250 | 0 | 12,500 | 100.00 |

TOTAL Place Coarse Woody debris/rocks

| 125.00 ACR | 4,000 | 81,886 | 6,250 | 7,090 | 0 | 95,226 | 761.81 |

### 09. 01.015. 5.05. Plant Mesquite/Shrub mix using

(cont'd) 5 gallon plants

| USR GC < | > Planting of 5-gallon plants See bid result of Rio Salado Ph 1A | 55935 EA | | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 839,025 | 15.00 |

TOTAL Plant Mesquite/Shrub mix using

| 55935 EA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 839,025 | 15.00 |

**Labor ID: A50401**  **EQUIP ID: NAT99C**  **Currency in DOLLARS**  **CREW ID: NAT01A**  **UPB ID: UP01EA**
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.020. 1. Excavate pipe trench, 18&quot; depth</td>
<td>(cont'd) ditch-witch w/ backhoe</td>
<td>1.00 LF</td>
<td>CODBB53</td>
<td>0.02</td>
<td>0.55</td>
<td>0.10</td>
<td>0.00</td>
<td>0.00</td>
<td>1</td>
<td>0.65</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AF GC &lt;02230 0450 &gt; Excavate utility trench, 36&quot; deep, 6&quot; wide, 12HP, chain trencher</td>
<td>1.00 LF</td>
<td>CODBB53</td>
<td>56.25</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0.65</td>
</tr>
<tr>
<td></td>
<td>TOTAL Excavate pipe trench, 18&quot; depth</td>
<td>1.00 LF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 2. Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 2.01. Install small diam pressure pipe</td>
<td>(cont'd) for sprinkler irrigation</td>
<td>31000 LF</td>
<td>ULABB20A</td>
<td>0.06</td>
<td>2.05</td>
<td>0.00</td>
<td>1.72</td>
<td>0.00</td>
<td>0</td>
<td>116,975</td>
<td>3.77</td>
</tr>
<tr>
<td></td>
<td>M MIL GC &lt;02667 4030 &gt; Piping, water dist, 3&quot;, PVC, press pipe, class 200, SDR 21</td>
<td>31000 LF</td>
<td>ULABB20A</td>
<td>65.00</td>
<td>1,907</td>
<td>63,655</td>
<td>0</td>
<td>53,320</td>
<td>0</td>
<td>116,975</td>
<td>3.77</td>
</tr>
<tr>
<td></td>
<td>TOTAL Install small diam pressure pipe</td>
<td>31000 LF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 2.02. Install small diam pipe fittings</td>
<td>(cont'd) as needed</td>
<td>500.00 EA</td>
<td>ULABB20A</td>
<td>0.70</td>
<td>23.21</td>
<td>0.00</td>
<td>11.87</td>
<td>0.00</td>
<td>0</td>
<td>17,541</td>
<td>35.08</td>
</tr>
<tr>
<td></td>
<td>M MIL GC &lt;02667 4210 &gt; Piping, water dist, 90 deg, 3&quot;, PVC, press pipe, CL200, SDR 21 elbow</td>
<td>500.00 EA</td>
<td>ULABB20A</td>
<td>5.75</td>
<td>348</td>
<td>11,606</td>
<td>0</td>
<td>5,935</td>
<td>0</td>
<td>17,541</td>
<td>35.08</td>
</tr>
<tr>
<td></td>
<td>Quantity assumed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>M MIL GC &lt;02667 4390 &gt; Piping, water dist, 3&quot;, PVC, press pipe, CL200, SDR 21 tee</td>
<td>1500.00 EA</td>
<td>ULABB20A</td>
<td>3.75</td>
<td>1,600</td>
<td>53,390</td>
<td>0</td>
<td>24,375</td>
<td>0</td>
<td>77,765</td>
<td>51.84</td>
</tr>
<tr>
<td></td>
<td>Quantity assumed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>M MIL GC &lt;02667 4480 &gt; Piping, water dist, 3&quot;, PVC, press pipe, CL200, SDR 21 coupling</td>
<td>1100.00 EA</td>
<td>ULABB20A</td>
<td>5.75</td>
<td>765</td>
<td>25,534</td>
<td>0</td>
<td>7,128</td>
<td>0</td>
<td>32,662</td>
<td>29.69</td>
</tr>
<tr>
<td></td>
<td>Quantity assumed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## 09. 01. Irrigation Planting

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW_ID</th>
<th>OUTPUT</th>
<th>M HRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL_COST</th>
<th>UNIT_COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,713</td>
<td>90,530</td>
<td>0</td>
<td>37,438</td>
<td>0</td>
<td>127,968</td>
<td>41.28</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 09. 01.02. Install long reach (150') sprinkler heads

#### Should the UOM be "EA"?

| MIL GC <02810 1284 > | Sprinkler, 39'-99', 30-100 PSI, pop-up full cir, w/plstc cs, met cov, coml | 190.00 EA | USKCSKWK2 | 3.13 | 122 | 2,839 | 0 | 19,481 | 0 | 22,320 | 117.47 |

| M MIL GC <02215 1220 > | Backfill, trench, front-end loader, 40 - 60 HP, no compaction | 31000 CY | CODFB1ON | 50.00 | 930 | 27,854 | 23,061 | 0 | 50,914 | 1.64 |

| M MIL GC <02810 1310 > | Sprinkler irr sys, plstc, 1", 5-30 GPM, 15-125 PSI, elec rmt ctrl v | 90.00 EA | USKCSKWK2 | 2.25 | 80 | 1,868 | 0 | 2,093 | 0 | 3,960 | 44.00 |

| MIL GC <02810 1310 > | Sprinkler irr sys, plstc, 1", 5-30 GPM, 15-125 PSI, elec rmt ctrl v | 90.00 EA | USKCSKWK2 | 2.25 | 80 | 1,868 | 0 | 2,093 | 0 | 3,960 | 44.00 |

### 09. 01.02. Install control valves for sprinkler groups or individuals

| MIL GC <02810 1310 > | Sprinkler irr sys, plstc, 1", 5-30 GPM, 15-125 PSI, elec rmt ctrl v | 90.00 EA | USKCSKWK2 | 2.25 | 80 | 1,868 | 0 | 2,093 | 0 | 3,960 | 44.00 |

### 09. 01.02. Install Programmable Logic

<table>
<thead>
<tr>
<th>CREW ID: NAT01A</th>
<th>UPB ID: UP01EA</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Install control valves for sprinkler groups or individuals</td>
<td>90.00 EA</td>
</tr>
<tr>
<td>TOTAL Install Programmable Logic</td>
<td>1.00 EA</td>
</tr>
</tbody>
</table>
### 09. CONSTRUCTION (RESTORATION)

#### 09. 01. Irrigation Planting

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.020. 6. Rough grade &amp; scarify subsoil</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(cont'd) to receive topsoil, common earth, 200HP dozer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New quantity = 89 acres = 3,876,840 sf = 4,308 CSY (07/20/04)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125 acres = 5,445,000 sf = 6,050 CSY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;02224 7000&gt; Excavating, bulk, dozer, open site, rough grade</td>
<td>4307.60 CSY</td>
<td>CODTB11R</td>
<td>3.00</td>
<td>2,154</td>
<td>64,504</td>
<td>94,663</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>-----</td>
<td>--------</td>
<td>---------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>TOTAL Rough grade &amp; scarify subsoil</td>
<td>89.00 ACR</td>
<td>2,154</td>
<td>64,504</td>
<td>94,663</td>
<td>0</td>
<td>0</td>
<td>159,167</td>
<td>1788.39</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.020. 7. Planting &amp; seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 7.01. Mulch, hay, 1&quot; deep, power (cont'd) mulcher, large</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>&gt; Outside Laborer</td>
<td>58.55 HR</td>
<td>X-LABORER</td>
<td>1.00</td>
<td>59</td>
<td>1,199</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>&gt; Outside Truck Driver, Light</td>
<td>58.55 HR</td>
<td>X-TRKDVRLT</td>
<td>1.00</td>
<td>59</td>
<td>1,486</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>EP GC &lt;</td>
<td>&gt; TRK,HWY, 21,000 GVW, 4X2, 2 AXLE</td>
<td>58.55 HR</td>
<td>T50FO009</td>
<td>1.00</td>
<td>0</td>
<td>0</td>
<td>909</td>
<td>0</td>
</tr>
<tr>
<td>GEN GC &lt;</td>
<td>&gt; HYDROMULCHER, 3,000 GAL(11,356L) TRK MTD (W/ 56,000GVW TRK)</td>
<td>58.55 HR</td>
<td>L1523880</td>
<td>1.00</td>
<td>0</td>
<td>0</td>
<td>1,701</td>
<td>0</td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>&gt; Material cost</td>
<td>89.00 ACR</td>
<td>N/A</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>834.17</td>
<td>0.00</td>
</tr>
<tr>
<td>-----</td>
<td>--------</td>
<td>---------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>TOTAL Mulch, hay, 1&quot; deep, power</td>
<td>89.00 ACR</td>
<td>117</td>
<td>2,685</td>
<td>2,610</td>
<td>74,246</td>
<td>0</td>
<td>79,541</td>
<td>893.72</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.020. 7.02. Crimping, tilling topsoil (cont'd) 20 HP tractor, disk harrow, 6&quot; deep</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP GC &lt;</td>
<td>&gt; ROTARY HOE, 80&quot; WIDE ROTERRA (ADD 40 HP PTO TRACTOR)</td>
<td>356.00 HR</td>
<td>T10LE001</td>
<td>1.00</td>
<td>0</td>
<td>0</td>
<td>459</td>
<td>0</td>
</tr>
<tr>
<td>MAP GC &lt;</td>
<td>&gt; TRACTOR,WH,FARM, 40- 59HP, 2X4</td>
<td>356.00 HR</td>
<td>T25JD005</td>
<td>1.00</td>
<td>0</td>
<td>0</td>
<td>2,729</td>
<td>0</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>&gt; Outside Equip. Operator, Light</td>
<td>356.00 HR</td>
<td>X-EQOPRLT</td>
<td>1.00</td>
<td>356</td>
<td>10,966</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>-----</td>
<td>--------</td>
<td>---------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>TOTAL Crimping, tilling topsoil</td>
<td>89.00 ACR</td>
<td>356</td>
<td>10,966</td>
<td>3,189</td>
<td>0</td>
<td>0</td>
<td>14,155</td>
<td>159.04</td>
</tr>
<tr>
<td>09. 01.020. 7.03. Seeding, athletic fld mix,</td>
<td>QUANTITY</td>
<td>UOM</td>
<td>CREW ID</td>
<td>OUTPUT MANHRS</td>
<td>LABOR EQUIPMENT</td>
<td>MATERIAL</td>
<td>OTHER</td>
<td>TOTAL COST</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------</td>
<td>------</td>
<td>---------</td>
<td>---------------</td>
<td>-----------------</td>
<td>----------</td>
<td>-------</td>
<td>------------</td>
</tr>
<tr>
<td>M RSM GC &lt;02932 0010 &gt; Seeding, athletic field mix, #/MSFpush spreader</td>
<td>1.00</td>
<td></td>
<td>1.00</td>
<td>22.13</td>
<td>0.00</td>
<td>47.42</td>
<td>0.00</td>
<td>69.55</td>
</tr>
<tr>
<td>125 acres = 5,445 msf</td>
<td>3876.84 MSF ALABCLAB1</td>
<td>3,877</td>
<td>85,802</td>
<td>0</td>
<td>183,840</td>
<td>0</td>
<td>269,642</td>
<td>69.55</td>
</tr>
<tr>
<td>TOTAL Seeding, athletic fld mix,</td>
<td>89.00 ACR</td>
<td>3,877</td>
<td>85,802</td>
<td>0</td>
<td>183,840</td>
<td>0</td>
<td>269,642</td>
<td>3029.69</td>
</tr>
</tbody>
</table>

| 09. 01.020. 7.04. Place Coarse Woody debris/rocks |
|-------------------------------------------|-----------|------|---------|---------------|-----------------|----------|-------|------------|-----------|
| M MIL GC <                                   | 1.00      |      | 1.00    | 20.47         | 0.00            | 0.21     | 0.00  | 20.68      | 20.68     |
| > Outside Laborer (4)                        | 712.00 HR X-LABORER | 712 | 14,576 | 0 | 150 | 0 | 14,725 | 20.68   |
| USR GC <                                     | 89.00 ACR | 0.00 | 0.00   | 50.00         | 50.00           | 0.00     | 100.00 | 100.00     | 265.45     |
| > Material and equipment                     | 0.00      |      | 0.00    | 0             | 4,450           | 4,450    | 0     | 8,900      | 100.00    |
| TOTAL Place Coarse Woody debris/rocks       | 89.00 ACR | 712 | 14,576 | 4,450 | 4,600 | 0 | 23,625 | 265.45   |

| 09. 01.020. 7.05. Plant Mesquite/Shrub mix using (cont’d) 5 gallon plants |
|-------------------------------------------|-----------|------|---------|---------------|-----------------|----------|-------|------------|-----------|
| USR GC <                                   | 0.00      |      | 0.00    | 0.00          | 0.00            | 0.00     | 15.00 | 15.00      | 15.00     |
| > Planting of 5-gallon plants              | 55935 EA | 0.00 | 0.00 | 0.00 | 0 | 839,025 | 839,025 | 15.00 |
| TOTAL Plant Mesquite/Shrub mix using       | 55935 EA | 0.00 | 0.00 | 0.00 | 0 | 839,025 | 839,025 | 15.00 |

| TOTAL Planting & seeding                    | 89.00 ACR | 5,062 | 114,029 | 10,248 | 262,686 | 839,025 | 1,225,988 | 13775.15 |
| TOTAL First Bench                           | 1.00 EA   | 12,967 | 365,280 | 127,972 | 375,017 | 1,350,925 | 2,219,194 | 2219194 |
| TOTAL IRRIGATION PLANTING                   | 1.00 EA   | 287,141 | 8210895 | 3807079 | 7083380 | 7,636,522 | 26,737,876 | 26737876 |
### 09. 05. BASINS PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>
| 89.05.001. Tributary Infiltration Basins  
Construct infiltration basins at tributary (wash) outlets into SCR  
total basins = 8, depth = 4', side slopes at 4% | | | | | | | | | | |
| 9.001. Fencing for Erosion Control  
18 acres = 784,080 sf  
Square root of 784,080 sf = 885.51f  
885.5 x 4 = 3542 lf (perimeter) | | | | | | | | | | |
| AF GC <01534 0010 > Fencing, 11 ga, chain link, 5' high | 3542.00 LF | ALABCLAB2 | 12.50 | 0.16 | 3.54 | 0.00 | 3.58 | 0.00 | 7.12 | 7.12 |
| TOTAL Fencing for Erosion Control | 18.00 ACR | | | | | | | | | 1401.27 |
| 9.001. Clearing and Grubbing, debris  
(cont'd) removal, etc. | | | | | | | | | | |
| AF GC <02109 0420 > Clear & grub, burning, incinerator, light | 13.00 ACR | UOEHB40A | 0.28 | 14.23 | 414.10 | 308.04 | 0.00 | 0.00 | 722.14 | 722.14 |
| TOTAL Clearing and Grubbing, debris | 13.00 ACR | | | | | | | | | 722.14 |
| 9.001. Excavate, mach exc., sand & grav  
(cont'd) 2CY bkt | | | | | | | | | | |
<p>| MIL GC &lt;02241 0020 &gt; Loam or topsoil, 200' haul, 6&quot; deep, 200 HP dozer, remove/pile | 830.00 CY | CODTB10B | 108.13 | 0.01 | 0.42 | 0.61 | 0.00 | 0.00 | 1.03 | 1.03 |
| TOTAL Stockpile useable cut matl, (cont'd) | 830.00 CY | | | | | | | | | |
| 9.001. Hauling, surplus cut matl, no loading, 10 mile RT | | | | | | | | | | |
| AF GC &lt;02234 0555 &gt; Hauling, hwy haulers, 12 CY, 12 mile round trip @ base wide rate | 2490.00 CY | COEIB34B | 20.00 | 0.05 | 1.35 | 2.40 | 0.00 | 0.00 | 3.75 | 3.75 |
| TOTAL Hauling, surplus cut matl, no loading, 10 mile RT | 2490.00 CY | | | | | | | | 9,333 | 3.75 | 3.75 |</p>
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.05.001.3.03</td>
<td>Fill, spread cut mat'l at dump (cont'd) site, no compaction</td>
<td>AF  GC &lt;02240 0030 &gt;</td>
<td>Fill, spread cut mat'l w/dozer at dump site, no compaction</td>
<td>2490.00 CY</td>
<td>CODTB10B</td>
<td>125.00</td>
<td>30</td>
<td>895</td>
<td>1,313</td>
</tr>
<tr>
<td>09.05.001.3.04</td>
<td>Compaction at dump site, hl rlr, (cont'd) 12&quot; lifts, 2 passes</td>
<td>AF  GC &lt;02220 5660 &gt;</td>
<td>Compaction, riding, 8&quot; lifts, 2 passes, sheepsfoot/wobbly wheel roller</td>
<td>2490.00 CY</td>
<td>COFCB32F</td>
<td>600.00</td>
<td>12</td>
<td>345</td>
<td>388</td>
</tr>
<tr>
<td>09.05.001.3.05</td>
<td>Compact Basin subgrade, existing (cont'd) earth, 2 passes 90%</td>
<td>MIL GC &lt;02239 0230 &gt;</td>
<td>Spread &amp; compact, slope &gt; 1 in 4, shape embankment, by hand</td>
<td>86160 SY</td>
<td>ULABB2</td>
<td>50.00</td>
<td>8,616</td>
<td>192,413</td>
<td>0</td>
</tr>
<tr>
<td>09.05.001.4</td>
<td>Backfilling 840 cy x 4 (different layers) = 3,360 cy</td>
<td>M USR GC &lt; &gt;</td>
<td>Clean Sand</td>
<td>See Means Construction Cost Data 2004, 04060-750-0200,</td>
<td>840.00 CY</td>
<td>N/A</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
### 09. 05. BASINS PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.001. 4.02. Fill, middle layer, No. 57 blue-stone (or equiv)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>&gt; Bluestone</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>1.00</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See Means Construction Cost</td>
<td>840.00 CY</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>840</td>
<td>840</td>
<td>1.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data 2004, 04850-100-0500</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Unit Cost is about $1.00/cy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Fill, middle layer, No. 57 blue-stone (or equiv)</td>
<td>840.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>840</td>
<td>840</td>
<td>1.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 4.03. Fill, middle layer, No. 2 gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>&gt; Bank-run Gravel</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>25.00</td>
<td>25.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See Means Construction Cost</td>
<td>840.00 CY</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>21,000</td>
<td>21,000</td>
<td>25.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data 2004, 02060-150-0100 and 0900, including 5 mile haul</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Fill, middle layer, No. 2 gravel</td>
<td>840.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>21,000</td>
<td>21,000</td>
<td>25.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 4.04. Fill, top layer, mix of native topsoil plus amendments</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>&gt; Native Topsoil, weed free</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>30.00</td>
<td>30.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See Means Construction Cost</td>
<td>840.00 CY</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>25,200</td>
<td>25,200</td>
<td>30.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data 2004, 02055-150-0800 and 0900, including 5 mile haul</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Fill, top layer, mix of native topsoil plus amendments</td>
<td>840.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>25,200</td>
<td>25,200</td>
<td>30.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Backfilling</td>
<td>3360.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>61,950</td>
<td>61,950</td>
<td>18.44</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

09. 05.001. 5. Planting & Seeding

<table>
<thead>
<tr>
<th>LABOR ID: A50401</th>
<th>EQUIP ID: NAT99C</th>
<th>CREW ID: NAT01A</th>
<th>UPB ID: UP01EA</th>
</tr>
</thead>
</table>

---

Currency in DOLLARS

Labor: 11.84 hr
Equipment: 11.84 hr
### 09.05.001. 5.02. Crimping, tilling topsoil
(cont'd) 20 HP tractor, disk harrow, 6" deep

<table>
<thead>
<tr>
<th>Labor ID: AZ0401</th>
<th>Equipment ID: NAT99C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gen GC</strong> &lt;</td>
<td>HYDROMULCHER, 3,000 GAL(11,356L)</td>
</tr>
<tr>
<td><strong>Trk Mtd</strong> (W/ 56,000Gvw Trk)</td>
<td>11.84 HR L1523880</td>
</tr>
<tr>
<td><strong>Usr GC</strong> &lt;</td>
<td>Material cost</td>
</tr>
<tr>
<td><strong>Total</strong> Mulch, hay, 1&quot; deep, power</td>
<td>18.00 ACR N/A</td>
</tr>
<tr>
<td><strong>Total Crimping, tilling topsoil</strong></td>
<td>18.00 ACR</td>
</tr>
</tbody>
</table>

### 09.05.001. 5.03. Seeding, athletic fld mix

<table>
<thead>
<tr>
<th>Labor ID: AZ0401</th>
<th>Equipment ID: NAT99C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M Rsm GC</strong> &lt;02932 0010&gt;</td>
<td>Seeding, athletic field mix,</td>
</tr>
<tr>
<td><strong>8#/MSF push spreader</strong></td>
<td>784.08 MSF ALABCLAB1</td>
</tr>
<tr>
<td><strong>125 acres = 5,445 msf</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Seeding, athletic fld mix</strong></td>
<td>18.00 ACR</td>
</tr>
</tbody>
</table>

### 09.05.001. 5.04. Plant Mesquite/Shrub mix using
(cont'd) 5 gallon plants

<table>
<thead>
<tr>
<th>Labor ID: AZ0401</th>
<th>Equipment ID: NAT99C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Usr GC</strong> &lt;</td>
<td>Planting of 5-gallon plants</td>
</tr>
<tr>
<td><strong>See bid result of Rio Salado Ph 1A</strong></td>
<td>3204.00 EA</td>
</tr>
<tr>
<td><strong>Total Plant Mesquite/Shrub mix using</strong></td>
<td>3204.00 EA</td>
</tr>
<tr>
<td><strong>Total Planting &amp; Seeding</strong></td>
<td>18.00 ACR</td>
</tr>
<tr>
<td><strong>Total Tributary Infiltration Basins</strong></td>
<td>1.00 EA</td>
</tr>
</tbody>
</table>

---

**Currency in DOLLARS**
### 09. 05. BASINS PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>Lab. Equipment</th>
<th>Material</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

#### 09. 05.005. Grade Control Infiltration Basin
Construct infiltration basins immediately upstream of existing grade control structure, total basins = 6, depth = 4', side slopes at 4%

#### 09. 05.005. 1. Fencing for Erosion Control
6 acres = 261,360 sf
Square root of 261,360 = 511 lf
511 lf x 4 = 2,044 lf (perimeter)

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Unit</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>Lab. Equipment</th>
<th>Material</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF GC &lt;01534 0010 &gt; Fencing, 11 ga, chain link, 5' high</td>
<td>09.05.005.005.1.</td>
<td>2044.00 LF</td>
<td>ALABCLAB2</td>
<td>12.50</td>
<td>327</td>
<td>7,238</td>
<td>0</td>
<td>7,318</td>
<td>0</td>
<td>14,556</td>
</tr>
<tr>
<td><strong>TOTAL Fencing for Erosion Control</strong></td>
<td>6.00 ACR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7,318</td>
</tr>
<tr>
<td><strong>TOTAL COST UNIT COST</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7,318</td>
</tr>
</tbody>
</table>

#### 09. 05.005. 2. Clearing and Grubbing, debris removal, etc.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Unit</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>Lab. Equipment</th>
<th>Material</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF GC &lt;02109 0420 &gt; Clear &amp; grub, burning, incinerator, light</td>
<td>09.05.005.2.</td>
<td>14.23</td>
<td>UOEHB40A</td>
<td>0.28</td>
<td>71</td>
<td>2,070</td>
<td>1,540</td>
<td>0</td>
<td>0</td>
<td>3,611</td>
</tr>
<tr>
<td><strong>TOTAL Clearing and Grubbing, debris removal, etc.</strong></td>
<td>5.00 ACR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,611</td>
</tr>
</tbody>
</table>

#### 09. 05.005. 3. Excavating, mach exc, sand & gr 2 cy bkt

#### 09. 05.005. 3.01. Stockpile useable cut mat'l
Assume 25% total cut

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Unit</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>Lab. Equipment</th>
<th>Material</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL GC &lt;02241 0020 &gt; Loam or topsoil, 200' haul, 6&quot; deep, 200 HP dozer, remove/pile on site</td>
<td>09.05.005.3.01.</td>
<td>280.00 CY</td>
<td>CODTB10B</td>
<td>108.13</td>
<td>4</td>
<td>116</td>
<td>171</td>
<td>0</td>
<td>0</td>
<td>287</td>
</tr>
<tr>
<td><strong>TOTAL Stockpile useable cut mat'l</strong></td>
<td>280.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>287</td>
</tr>
</tbody>
</table>

#### 09. 05.005. 3.02. Hauling, surplus cut mat'l, no loading, 10 mile RT

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Unit</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>Lab. Equipment</th>
<th>Material</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF GC &lt;02234 0555 &gt; Hauling, hwy haulers, 12 CY, 12 mile round trip &amp; base wide rate</td>
<td>09.05.005.3.02.</td>
<td>840.00 CY</td>
<td>COEIB34B</td>
<td>20.00</td>
<td>42</td>
<td>1,135</td>
<td>2,013</td>
<td>0</td>
<td>0</td>
<td>3,148</td>
</tr>
<tr>
<td><strong>TOTAL Hauling, surplus cut mat'l, no loading, 10 mile RT</strong></td>
<td>840.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,148</td>
</tr>
</tbody>
</table>

**Currency in DOLLARS**
### 09.05.005. 3.03. Fill, spread cut mat'l at dump site, no compaction

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01</td>
<td></td>
<td>NAT01A</td>
<td>0.36</td>
<td>0.53</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>745.00</td>
<td>0.89</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>840.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>745.00</td>
<td>0.89</td>
</tr>
</tbody>
</table>

### 09.05.005. 4. Compaction at dump site, hl rlr

12" lifts, 2 passes

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01</td>
<td></td>
<td>NAT01A</td>
<td>0.14</td>
<td>0.16</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>247.00</td>
<td>0.29</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>840.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>247.00</td>
<td>0.29</td>
</tr>
</tbody>
</table>

### 09.05.005. 5. Compact basin subgrade, existing earth, 2 passes 90%

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td></td>
<td>NAT01A</td>
<td>2.23</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>64,852</td>
<td>2.23</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29040 SY</td>
<td></td>
<td>NAT01A</td>
<td>50.00</td>
<td>2,904</td>
<td>64,852</td>
<td>0</td>
<td>0</td>
<td>64,852</td>
<td>2.23</td>
</tr>
</tbody>
</table>

### 09.05.005. 6. Backfilling

See unit cost development at "Tributary Infiltration Basins"

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1160.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>21,390</td>
<td>18.44</td>
</tr>
</tbody>
</table>

### 09.05.005. 7. Planting & Seeding

#### 09.05.005. 7.01. Mulch, hay, 1" deep, power (cont'd) mulcher, large

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td></td>
<td>NAT01A</td>
<td>20.47</td>
<td>0.00</td>
<td>0.09</td>
<td>0.00</td>
<td>0.00</td>
<td>20.56</td>
<td>20.56</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.95 HR</td>
<td></td>
<td>NAT01A</td>
<td>1.00</td>
<td>4</td>
<td>81</td>
<td>0</td>
<td>0</td>
<td>81</td>
<td>20.56</td>
</tr>
</tbody>
</table>
### 09. 05. BASINS PLANTING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN GC</td>
<td></td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>29.04</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>29.04</td>
<td></td>
</tr>
<tr>
<td>TRK MTD (W/ 56,000GVW TRK)</td>
<td>3.95 HR</td>
<td>L1523880</td>
<td>1.00</td>
<td>0</td>
<td>115</td>
<td>0</td>
<td>0</td>
<td>115</td>
<td>29.04</td>
<td></td>
</tr>
<tr>
<td>USR GC</td>
<td></td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>834.17</td>
<td>0.00</td>
<td>834.17</td>
<td>0.00</td>
<td>834.17</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td>6.00 ACR</td>
<td>N/A</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>5,005</td>
<td>5,005</td>
<td>834.17</td>
</tr>
</tbody>
</table>

09. 05.005. 7.02. Crimping, tilling topsoil
(cont'd) 20 HP tractor, disk harrow, 6" deep

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP GC</td>
<td></td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>1.29</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>1.29</td>
<td></td>
</tr>
<tr>
<td>MAP GC</td>
<td></td>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>7.67</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>7.67</td>
<td></td>
</tr>
<tr>
<td>MIL GC</td>
<td></td>
<td></td>
<td>1.00</td>
<td>30.80</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>30.80</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td>24</td>
<td>739</td>
<td>215</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>954</td>
<td>159.04</td>
</tr>
</tbody>
</table>

09. 05.005. 7.03. Seeding, athletic fd mix,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>M RSM GC</td>
<td>&lt;02932 0010 &gt;</td>
<td>Seeding, athletic field mix, 8#/MSFpush spreader</td>
<td>1.00</td>
<td>22.13</td>
<td>0.00</td>
<td>47.42</td>
<td>0.00</td>
<td>69.55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>125 acres = 5,445 msf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Seeding, athletic fd mix,</td>
<td>6.00 ACR</td>
<td>261</td>
<td>5,784</td>
<td>0</td>
<td>12,394</td>
<td>0</td>
<td>18,178</td>
<td>69.55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>6.00 ACR</td>
<td>293</td>
<td>6,705</td>
<td>391</td>
<td>17,399</td>
<td>0</td>
<td>24,495</td>
<td>4082.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Grade Control Infiltration Basin</td>
<td>1.00 EA</td>
<td>3,656</td>
<td>82,635</td>
<td>4,689</td>
<td>24,717</td>
<td>21,390</td>
<td>133,331</td>
<td>133330.84</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL BASINS PLANTING</td>
<td>1.00 EA</td>
<td>14,082</td>
<td>317,937</td>
<td>18,040</td>
<td>89,594</td>
<td>131,400</td>
<td>556,972</td>
<td>556972.24</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 09. 10. HARDENED BANKS

**Construct Soil Cement slopes on vertical sections of SCR banks.** Typ application = 8' wide, 30' height (19' +10')

**09. 10.001. Hardened Slopes**

<table>
<thead>
<tr>
<th></th>
<th>QUANTY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>09. 10.001. 1. Fencing for Erosion Control</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AF GC &lt;01534 0010 &gt;</strong> Fencing, 11 ga, chain link, 5' high</td>
<td>1560.00 LF</td>
<td>ALABCLAB2</td>
<td>12.50</td>
<td>250</td>
<td>5,524</td>
<td>0</td>
<td>5,585</td>
<td>0</td>
<td>11,109</td>
<td>7.12</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Fencing for Erosion Control</strong></td>
<td>3.50 ACR</td>
<td></td>
<td></td>
<td>250</td>
<td>5,524</td>
<td>0</td>
<td>5,585</td>
<td>0</td>
<td>11,109</td>
<td>3173.98</td>
<td></td>
</tr>
</tbody>
</table>

| **09. 10.001. 2. Clearing and Grubbing, debris removal** | | | | | | | | | | |
| **AF GC <02109 0420 >** Clear & grub, burning, incinerator, light | 14.23 | 414.10 | 308.04 | 0.00 | 0.00 | 722.14 |
| **TOTAL Clearing and Grubbing, debris removal** | 0.90 ACR | | | 13 | 373 | 277 | 0 | 0 | 650 | 722.14 |

| **09. 10.001. 3. Excavating, prepare slope & subgrade, 1:1 slope** | | | | | | | | | | |
| **09. 10.001. 3.01. Stockpile subgrade cut matl for backfill** | | | | | | | | | | |
| **MIL GC <02241 0020 >** Loam or topsoil, 200' haul, 6' deep, 200 HP dozer, remove/pile on site | 28200 CY | CODTB10B | 108.13 | 392 | 11,717 | 17,194 | 0 | 0 | 28,911 | 1.03 |
| **TOTAL Stockpile subgrade cut matl for backfill** | | | | | | | | | 28,911 | 1.03 |

| **09. 10.001. 3.02. Hauling, no loading, 16.5 cy dump trailer, 10 mile RT** | | | | | | | | | | |
| **MIL GC <02234 1115 >** Hauling, hwy haulers, 16.5 CY, 6 mi round trip @ 40 MPH (2.1 cyc/hr) | 18800 CY | CTDNB34C | 35.00 | 538 | 14,519 | 27,164 | 0 | 0 | 41,683 | 2.22 |
| **TOTAL Hauling, no loading, 16.5 cy** | | | | | | | | | 41,683 | 2.22 |

| **TOTAL Excavating, prepare slope & subgrade** | | | | | | | | | 70,594 | 1.50 |

---

Currency in DOLLARS

LBR ID: A50401  EQUIP ID: NAT99C

CREW ID: NAT01A  UPB ID: UP01EA
### 09. CONSTRUCTION (RESTORATION)

#### 09. 10. HARDENED BANKS

<table>
<thead>
<tr>
<th>QUANTITY UOM CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 10.001. 4. Fill, spread dumped mat'l, by</td>
<td>0.01</td>
<td>0.14</td>
<td>0.16</td>
<td>0.00</td>
<td>0.00</td>
<td>0.29</td>
<td>--------------</td>
<td>0.29</td>
</tr>
<tr>
<td>AF GC &lt;02220 5660 &gt; Compaction, sheepfoot/wobbly whl rlr, 12&quot; lifts, 2 passes</td>
<td>18800 CY COFCB32F</td>
<td>600.00</td>
<td>94</td>
<td>2,602</td>
<td>2,929</td>
<td>0</td>
<td>5,531</td>
<td>0.29</td>
</tr>
<tr>
<td>TOTAL Compaction, sheepfoot/wobbly</td>
<td>18800 CY</td>
<td>94</td>
<td>2,602</td>
<td>2,929</td>
<td>0</td>
<td>5,531</td>
<td>0.29</td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 5. Soil Cement application, 8&quot; lifts at 8' width, 750 PSI</td>
<td>0</td>
<td>733,200</td>
<td>611,000</td>
<td>1038700</td>
<td>0</td>
<td>2,382,900</td>
<td>39.00</td>
<td></td>
</tr>
</tbody>
</table>
| 09. 10.001. 6. Backfill and Compaction
<p>| 09. 10.001. 6.01. Backfill subgrade with cut matl | 0.03 | 0.90 | 0.74 | 0.00 | 0.00 | 1.64 | -------------- | 1.64 |
| MIL GC &lt;02215 1220 &gt; Backfill, trench, front-end loader, 40 - 60 HP, no compaction | 28200 CY CODFB10N | 50.00 | 846 | 25,338 | 20,978 | 0 | 46,316 | 1.64 |
| TOTAL Backfill subgrade with cut matl | 28200 CY | 846 | 25,338 | 20,978 | 0 | 46,316 | 1.64 |
| 09. 10.001. 6.02. Compaction, sheepfoot/wobbly whl rlr, 12&quot; lifts, 2 passes | 0.01 | 0.14 | 0.16 | 0.00 | 0.00 | 0.29 | -------------- | 0.29 |
| AF GC &lt;02220 5660 &gt; Compaction, riding, 8&quot; lifts, 2 passes, sheepfoot/wobbly wheel roller | 28200 CY COFCB32F | 600.00 | 141 | 3,903 | 4,394 | 0 | 8,296 | 0.29 |
| TOTAL Compaction, sheepfoot/wobbly whl | 28200 CY | 141 | 3,903 | 4,394 | 0 | 8,296 | 0.29 |</p>
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>28,200</td>
<td>CY</td>
<td>987</td>
<td>29,241</td>
<td>25,372</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>54,612</td>
<td>1.94</td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>2,422</td>
<td>801,347</td>
<td>686,566</td>
<td>104,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,532,198</td>
<td>2532198</td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>2,422</td>
<td>801,347</td>
<td>686,566</td>
<td>104,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,532,198</td>
<td>2532198</td>
</tr>
</tbody>
</table>
09. 15. PIPING

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

09. 15. PIPING
Install various sized piping for irrigation distribution throughout project area. Install fording culverts in historic floodplain

09. 15.001. Irrigation Piping

09. 15.001. 1. Trenching for Delivery Pipe

09. 15.001. 1.01. Delivery pipe trench bedding, 3/4" gravel pipe support

| M | MIL | GC | <02704 | 0300 | > Drainage, drainage matl, 3/4" gravel fill in trench | 1260.00 CY | CODLB6 | 32.50 | 0.09 | 2.31 | 0.47 | 46.94 | 0.00 | 49.72 |
|---|-----|----|--------|------|--------------------------------------------------|---------|--------|------|------|------|------|-------|------|------|-------|
|   |     |     |        |      | TOTAL Delivery pipe trench bedding, 1260.00 CY | | 116 | 2,910 | 586 | 59,144 | 0 | 62,641 | 49.72 |

09. 15.001. 1.02. Delivery piping, large dia. say 12" PVC

| M | MIL | GC | <02667 | 4560 | > Piping, water dist, PVC, class 150, SDR 18, AWWA C900, 12" piping | 10440 LF | ULABB20A | 23.25 | 0.17 | 5.74 | 0.00 | 14.05 | 0.00 | 19.79 |
|---|-----|----|--------|------|--------------------------------------------------|---------|--------|------|------|------|------|-------|------|------|-------|
|   |     |     |        |      | TOTAL Delivery piping, large dia. say 10440 LF | | 1,796 | 59,934 | 0 | 146,682 | 0 | 206,616 | 19.79 |

09. 15.001. 1.03. Backfill delivery pipe trench, FE loader, whl mtd 1 CY bkt

| M | MIL | GC | <02215 | 2460 | > Backfill, sand bedding trenches, front-end loader, 1.5 CY | 1260.00 CY | CODFB10N | 47.50 | 0.03 | 0.95 | 0.78 | 15.46 | 0.00 | 17.19 |
|---|-----|----|--------|------|--------------------------------------------------|---------|--------|------|------|------|------|-------|------|------|-------|
|   |     |     |        |      | TOTAL Backfill delivery pipe trench, 1260.00 CY | | 40 | 1,192 | 987 | 19,480 | 0 | 21,658 | 17.19 |

09. 15.001. 1.04. Hauling, Delivery pipe surplus cut matl, no loading, 10 mile RT

| MIL | GC | <02234 | 1115 | > Hauling, hwy haulers, 16.5 CY, 6 mi round trip 8 40 MPH (2.1 cyc/hr) | 1880.00 CY | CTDHB34C | 35.00 | 0.03 | 0.77 | 1.44 | 0.00 | 0.00 | 2.22 |
|-----|----|--------|------|--------------------------------------------------|---------|--------|------|------|------|------|-------|------|------|-------|
|     |    |        |      | TOTAL Hauling, Delivery pipe surplus 1880.00 CY | | 54 | 1,452 | 2,716 | 0 | 0 | 4,168 | 2.22 |
|     |    |        |      | TOTAL Trenching for Delivery Pipe 3130.00 CY | | 2,006 | 65,488 | 4,289 | 225,306 | 0 | 295,083 | 94.28 |

LABOR ID: A50401  EQUIP ID: NAT99C  Currency in DOLLARS  CREW ID: NAT01A  UPB ID: UP01EA
<table>
<thead>
<tr>
<th>QUANTY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.09</td>
<td></td>
<td></td>
<td>2.31</td>
<td>0.47</td>
<td>46.94</td>
<td></td>
<td></td>
<td></td>
<td>49.72</td>
<td>49.72</td>
</tr>
<tr>
<td>8400.00 CY</td>
<td>CODLB6</td>
<td>32.50</td>
<td>775</td>
<td>19,402</td>
<td>3,909</td>
<td>394,296</td>
<td></td>
<td></td>
<td>417,607</td>
<td>49.72</td>
</tr>
<tr>
<td>8400.00 CY</td>
<td></td>
<td></td>
<td>775</td>
<td>19,402</td>
<td>3,909</td>
<td>394,296</td>
<td></td>
<td></td>
<td>417,607</td>
<td>49.72</td>
</tr>
<tr>
<td>0.17</td>
<td></td>
<td></td>
<td>5.74</td>
<td>0.00</td>
<td>14.05</td>
<td></td>
<td></td>
<td></td>
<td>19.79</td>
<td>19.79</td>
</tr>
<tr>
<td>69970 LF</td>
<td>ULABB20A</td>
<td>23.25</td>
<td>12,035</td>
<td>401,684</td>
<td>0</td>
<td>983,079</td>
<td></td>
<td></td>
<td>1,384,762</td>
<td>19.79</td>
</tr>
<tr>
<td>69970 LF</td>
<td></td>
<td></td>
<td>12,035</td>
<td>401,684</td>
<td>0</td>
<td>983,079</td>
<td></td>
<td></td>
<td>1,384,762</td>
<td>19.79</td>
</tr>
<tr>
<td>0.03</td>
<td></td>
<td></td>
<td>0.95</td>
<td>0.78</td>
<td>15.46</td>
<td></td>
<td></td>
<td></td>
<td>17.19</td>
<td>17.19</td>
</tr>
<tr>
<td>12600 CY</td>
<td>CTDHB34C</td>
<td>35.00</td>
<td>360</td>
<td>9,731</td>
<td>18,206</td>
<td>0</td>
<td>0</td>
<td>27,937</td>
<td>2.22</td>
<td></td>
</tr>
<tr>
<td>12600 CY</td>
<td></td>
<td></td>
<td>360</td>
<td>9,731</td>
<td>18,206</td>
<td>0</td>
<td>0</td>
<td>27,937</td>
<td>2.22</td>
<td></td>
</tr>
<tr>
<td>13,436</td>
<td></td>
<td></td>
<td>438,762</td>
<td>28,691</td>
<td>1507239</td>
<td>0</td>
<td></td>
<td>1,974,692</td>
<td>94.03</td>
<td></td>
</tr>
<tr>
<td>3370.00 CY</td>
<td>CODLB6</td>
<td>32.50</td>
<td>311</td>
<td>7,784</td>
<td>1,568</td>
<td>158,188</td>
<td></td>
<td></td>
<td>167,540</td>
<td>49.72</td>
</tr>
<tr>
<td>3370.00 CY</td>
<td></td>
<td></td>
<td>311</td>
<td>7,784</td>
<td>1,568</td>
<td>158,188</td>
<td></td>
<td></td>
<td>167,540</td>
<td>49.72</td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UOM</td>
<td>CREW ID</td>
<td>OUTPUT</td>
<td>MANHRS</td>
<td>LABOR</td>
<td>EQUIPMENT</td>
<td>MATERIAL</td>
<td>OTHER</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
</tr>
<tr>
<td>----------</td>
<td>-----</td>
<td>---------</td>
<td>--------</td>
<td>--------</td>
<td>-------</td>
<td>-----------</td>
<td>----------</td>
<td>-------</td>
<td>-------------</td>
<td>-----------</td>
</tr>
<tr>
<td>09. 15.001. 3.02. Sub-main piping, large dia. say 8&quot; PVC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M MIL GC &lt;02667 4540 &gt; Piping, water dist, PVC, class 150, SDR 18, AWWA C900, 8&quot;</td>
<td>28010 LF</td>
<td>ULABB20A</td>
<td>33.00</td>
<td>3,395</td>
<td>113,292</td>
<td>0</td>
<td>174,782</td>
<td>0</td>
<td>288,074</td>
<td>10.28</td>
</tr>
<tr>
<td>TOTAL Sub-main piping, large dia. say</td>
<td>28010 LF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10.28</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 3.03. Backfill Sub-main pipe trench, FE loader, whl mtd 1 CY bkt</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M MIL GC &lt;02215 2460 &gt; Backfill, sand bedding trenches, front-end loader, 1.5 CY</td>
<td>3370.00 CY</td>
<td>CODFB10N</td>
<td>47.50</td>
<td>106</td>
<td>3,187</td>
<td>2,639</td>
<td>52,100</td>
<td>0</td>
<td>57,926</td>
<td>17.19</td>
</tr>
<tr>
<td>TOTAL Backfill Sub-main pipe trench</td>
<td>3370.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17.19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 3.04. Hauling, Sub-main pipe surplus cut matl, no loading, 10 mile RT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;02234 1115 &gt; Hauling, hwy haulers, 16.5 CY, 6 mi round trip @ 40 MPH (2.1 cyc/hr)</td>
<td>5050.00 CY</td>
<td>CTDHB34C</td>
<td>35.00</td>
<td>144</td>
<td>3,900</td>
<td>7,297</td>
<td>0</td>
<td>0</td>
<td>11,197</td>
<td>2.22</td>
</tr>
<tr>
<td>TOTAL Hauling, Sub-main pipe surplus</td>
<td>5050.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.22</td>
</tr>
<tr>
<td>TOTAL Trenching for Sub-main Pipe</td>
<td>8420.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>62.32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 4. Trenching for Culvert CMP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15.001. 4.01. Culvert trench bedding, 3/4&quot; gravel pipe support</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M MIL GC &lt;02704 0300 &gt; Drainage, drainage matl, 3/4&quot; gravel fill in trench</td>
<td>4200.00 CY</td>
<td>CODLB6</td>
<td>32.50</td>
<td>388</td>
<td>9,701</td>
<td>1,954</td>
<td>197,148</td>
<td>0</td>
<td>208,803</td>
<td>49.72</td>
</tr>
<tr>
<td>TOTAL Culvert trench bedding</td>
<td>4200.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>49.72</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 4.02. Install 24&quot; dia. CMP Culvert for truck traffic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M MIL GC &lt;02764 3200 &gt; Piping, corr stl, 18&quot; equiv, 21&quot; x 15&quot;,16 ga, plain oval arch culv</td>
<td>23600 LF</td>
<td>CLABB14</td>
<td>21.88</td>
<td>6,473</td>
<td>153,697</td>
<td>16,317</td>
<td>279,424</td>
<td>0</td>
<td>449,438</td>
<td>19.04</td>
</tr>
<tr>
<td>TOTAL Install 24&quot; dia. CMP Culvert for</td>
<td>23600 LF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19.04</td>
</tr>
</tbody>
</table>
### 09. 15. PIPING

<table>
<thead>
<tr>
<th>QUANTRY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.15.001.4.03</td>
<td>Backfill trench, FE Loader, whl mtd 1 CY bkt</td>
<td>M MIL GC &lt;02215 2460&gt; Backfill, sand bedding trenches, front-end loader, 1.5 CY</td>
<td>4200.00 CY</td>
<td>CODFB10N</td>
<td>47.50</td>
<td>133</td>
<td>3,972</td>
<td>0.03</td>
<td>0.95</td>
<td>0.78</td>
</tr>
<tr>
<td>TOTAL Backfill trench, FE Loader,</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.15.001.4.04</td>
<td>Hauling, Sub-main pipe surplus cut matl, no loading, 10 mile RT</td>
<td>MIL GC &lt;02234 1115&gt; Hauling, hwy haulers, 16.5 CY, 6 mi round trip @ 40 MPH (2.1 cyc/hr)</td>
<td>6300.00 CY</td>
<td>CTDHB34C</td>
<td>35.00</td>
<td>180</td>
<td>4,865</td>
<td>0.03</td>
<td>0.77</td>
<td>1.44</td>
</tr>
<tr>
<td>TOTAL Hauling, Sub-main pipe surplus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Trenching for Culvert CMP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Irrigation Piping</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL PIPING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
09. 20. ROADS & BRIDGES

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>
| 09. 20. ROADS & BRIDGES
09. 20.001. Compacted Earth Maintenance Road
Construct gravel trails at various locations throughout project area, 10 foot width
09. 20.001.1. Clearing & Grubbing, debris removal, etc.
AF GC <02109 0420> Clear & grub, burning, incinerator, light
8.30 ACR UOEHB40A 0.28 14.23 414.10 308.04 0.00 0.00 722.14
8.30 ACR 118 3,437 2,557 0 0 5,994 722.14
TOTAL Clearing & Grubbing, debris 8.30 ACR 118 3,437 2,557 0 0 5,994 722.14
09. 20.001.2. Site Preparation
09. 20.001.2.01. Ripping, discing to prepare surface
RSM GC <02238 0010> Ripping, trap rock, soft, 200 HP
dozer, ideal conditions
83.00 CY CODTB10B 88.75 1 42 62 0 0 104 1.25
Assume 10 cy/acre
TOTAL Ripping, discing to prepare 8.30 ACR 1 42 62 0 0 104 12.49
09. 20.001.2.02. Regrade, flatten, balance cut matl. Onsite, 50% of area
MIL GC <02224 7020> Excavating, bulk, dozer, 300 HP,
large area, open site, rough grade
2020.00 CY CODTB10M 300.00 10 302 671 0 0 973 0.48
TOTAL Regrade, flatten, balance cut 2020.00 CY 10 302 671 0 0 973 0.48
09. 20.001.2.03. Compaction, riding, sheepfoot/wobbly whl, 2 passes
AF GC <02220 5660> Compaction, riding, 8" lifts, 2 passes, sheepfoot/wobbly wheel roller
40260 CY COFCB32F 600.00 201 5,572 6,273 0 0 11,844 0.29
TOTAL Compaction, riding, sheepfoot/ 40260 SY 201 5,572 6,273 0 0 11,844 0.29
TOTAL Site Preparation 8.30 ACR 213 5,916 7,005 0 0 12,921 1556.79

LABOR ID: A50401  EQUIP ID: NAT99C
Currency in DOLLARS  CREW ID: NAT01A  UPB ID: UP01EA
## 09. 20. ROADS & BRIDGES

<table>
<thead>
<tr>
<th>QUANTY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL</th>
<th>COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 09. 20.002. Paved Maintenance Roads

Construct paved trails at various locations throughout project area, 15 ft width, 52,087 ft, 781,305 sf, 18 acres.

#### 09. 20.002. 1. Clearing & Grubbing, debris removal, etc.

<table>
<thead>
<tr>
<th>QUANTY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL</th>
<th>COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.30</td>
<td>ACR</td>
<td></td>
<td>331</td>
<td>9,562</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18,915</td>
<td>2278.93</td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 20.002. 2. Site Preparation

#### 09. 20.002. 2.01. Ripping, discing to prepare surface

<table>
<thead>
<tr>
<th>QUANTY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL</th>
<th>COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.00</td>
<td>ACR</td>
<td></td>
<td>3</td>
<td>91</td>
<td>134</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>225</td>
<td>12.49</td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 20.002. 2.02. Regrade, flatten, balance cut matl. Onsite, 25% of area

<table>
<thead>
<tr>
<th>QUANTY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL</th>
<th>COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>109</td>
<td></td>
<td></td>
<td>3,275</td>
<td>7,266</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>10,542</td>
<td>0.48</td>
<td></td>
</tr>
</tbody>
</table>

#### 09. 20.002. 2.03. Compaction, riding, sheepfoot/wobbly whl, 2 passes

<table>
<thead>
<tr>
<th>QUANTY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL</th>
<th>COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>434</td>
<td></td>
<td></td>
<td>12,016</td>
<td>13,527</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>25,542</td>
<td>0.29</td>
<td></td>
</tr>
</tbody>
</table>

---

**Labor ID:** A50401  **Equipment ID:** NAT99C  **Currency:** DOLLARS  **Crew ID:** NAT01A  **UPB ID:** UP01EA
### 09. 20.002. 2.04. Asphalt Concrete Paving,
(cont’d.) Base course, 4" thick, and 2" topping

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>M MIL GC &lt;02505 0813 &gt;</td>
<td>Asphaltic concrete pavement, highway, binder course, 4&quot; thick</td>
<td>0.10</td>
<td>2.63</td>
<td>1.33</td>
<td>26.94</td>
<td>0.00</td>
<td>30.90</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assume 45 sf/ton (See Means Construction Cost Data, 2004, 02740-310-0200, and -0813)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>781,310 sf / 45 sf/ton = 17,363 tons</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M MIL GC &lt;02505 0854 &gt;</td>
<td>Asphaltic concrete pavement, highway, wearing course, 2&quot; thick</td>
<td>0.12</td>
<td>3.13</td>
<td>1.87</td>
<td>29.73</td>
<td>0.00</td>
<td>34.74</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assume 82 sf/ton (See Means Construction Cost Data, 2004, 02740-310-0380 and -0852)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Then, 781,310 sf / 82 sf/ton = 9,528 ton</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>Seal Oil (or Sealcoating)</td>
<td>0.00</td>
<td>0.10</td>
<td>0.11</td>
<td>0.44</td>
<td>0.00</td>
<td>0.65</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>781,310 sf = 86,812 sy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>M=$0.44/sy, L=$0.10/sy, E=$0.11/sy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>Asphalt Surface Treatment</td>
<td>0.00</td>
<td>0.19</td>
<td>0.14</td>
<td>0.69</td>
<td>0.00</td>
<td>1.02</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>M=$0.69/sy, L=$0.19/sy, E=$0.14/sy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL Asphalt Concrete Paving, 781310 SF

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Site Preparation</td>
<td>18.00 ACR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,012,457</td>
<td>1.30</td>
</tr>
<tr>
<td>TOTAL Paved Maintenance Roads</td>
<td>18.00 ACR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,055,265</td>
<td>58265.84</td>
</tr>
</tbody>
</table>

LBR ID: A50401    EQUIP ID: NAT99C

Currency in DOLLARS
### 09. 20. ROADS & BRIDGES

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

#### 09. 20.003. Gravel Maintenance Road
- Construct gravel trails at various locations throughout project area, 10 ft width, 3" thickness, 35,575 lf, 355,750 sf, 8.2 acres.

#### 09. 20.003.1. Clearing & Grubbing, debris removal, etc.

<table>
<thead>
<tr>
<th>TASK</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF</td>
<td>Clear &amp; grub, burning, incinerator, light</td>
<td>14.23</td>
<td>414.10</td>
<td>308.04</td>
<td>0.00</td>
<td>0.00</td>
<td>722.14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UOEB4OA</td>
<td>4.10 ACR</td>
<td>0.28</td>
<td>58</td>
<td>1,698</td>
<td>1,263</td>
<td>0</td>
<td>0</td>
<td>2,961</td>
<td>722.14</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>Clear &amp; grub, incinerator, light</td>
<td>14.23</td>
<td>414.10</td>
<td>308.04</td>
<td>0.00</td>
<td>0.00</td>
<td>722.14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UOEB4OA</td>
<td>4.10 ACR</td>
<td>0.28</td>
<td>58</td>
<td>1,698</td>
<td>1,263</td>
<td>0</td>
<td>0</td>
<td>2,961</td>
<td>722.14</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL Clearing &amp; Grubbing, debris removal, etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### 09. 20.003.2. Site Preparation

#### 09. 20.003.2.01. Ripping, discing to prepare surface

<table>
<thead>
<tr>
<th>TASK</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSM</td>
<td>Ripping, trap rock, soft, 200 HP</td>
<td>0.02</td>
<td>0.51</td>
<td>0.74</td>
<td>0.00</td>
<td>0.00</td>
<td>1.25</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CODTB10GB</td>
<td>82.00 CY</td>
<td>88.75</td>
<td>1</td>
<td>42</td>
<td>61</td>
<td>0</td>
<td>0</td>
<td>102</td>
<td>12.49</td>
<td></td>
</tr>
<tr>
<td>RSM</td>
<td>Ripping, trap rock, soft, 200 HP</td>
<td>0.02</td>
<td>0.51</td>
<td>0.74</td>
<td>0.00</td>
<td>0.00</td>
<td>1.25</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CODTB10GB</td>
<td>82.00 CY</td>
<td>88.75</td>
<td>1</td>
<td>42</td>
<td>61</td>
<td>0</td>
<td>0</td>
<td>102</td>
<td>12.49</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL Ripping, discing to prepare</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

#### 09. 20.003.2.02. Regrade, flatten, balance cut matl. Onsite, 25% of area

<table>
<thead>
<tr>
<th>TASK</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL</td>
<td>Excavating, bulk, dozer, 300 HP, large area, open site, rough grade</td>
<td>0.01</td>
<td>0.15</td>
<td>0.33</td>
<td>0.00</td>
<td>0.00</td>
<td>0.48</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CODTB10M</td>
<td>1980.00 CY</td>
<td>300.00</td>
<td>10</td>
<td>296</td>
<td>658</td>
<td>0</td>
<td>0</td>
<td>954</td>
<td>0.48</td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>Excavating, bulk, dozer, 300 HP, large area, open site, rough grade</td>
<td>0.01</td>
<td>0.15</td>
<td>0.33</td>
<td>0.00</td>
<td>0.00</td>
<td>0.48</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CODTB10M</td>
<td>1980.00 CY</td>
<td>300.00</td>
<td>10</td>
<td>296</td>
<td>658</td>
<td>0</td>
<td>0</td>
<td>954</td>
<td>0.48</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL Regrade, flatten, balance cut matl. Onsite, 25% of area</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

#### 09. 20.003.2.03. Compaction, riding, sheepfoot/wobbly whl, 2 passes

<table>
<thead>
<tr>
<th>TASK</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF</td>
<td>Compaction, riding, 8&quot; lifts, 2 passes, sheepfoot/wobbly wheel, 2 passes</td>
<td>0.01</td>
<td>0.14</td>
<td>0.16</td>
<td>0.00</td>
<td>0.00</td>
<td>0.29</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>COFCB32F</td>
<td>39530 CY</td>
<td>600.00</td>
<td>198</td>
<td>5,471</td>
<td>6,159</td>
<td>0</td>
<td>0</td>
<td>11,630</td>
<td>0.29</td>
<td></td>
</tr>
<tr>
<td>AF</td>
<td>Compaction, riding, 8&quot; lifts, 2 passes, sheepfoot/wobbly wheel, 2 passes</td>
<td>0.01</td>
<td>0.14</td>
<td>0.16</td>
<td>0.00</td>
<td>0.00</td>
<td>0.29</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>COFCB32F</td>
<td>39530 CY</td>
<td>600.00</td>
<td>198</td>
<td>5,471</td>
<td>6,159</td>
<td>0</td>
<td>0</td>
<td>11,630</td>
<td>0.29</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL Compaction, riding, sheepfoot/wobbly wheel, 2 passes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Notes

- **Labor ID:** AZ0401
- **Equipt ID:** NAT99C
- **Currency in:** DOLLARS
- **Crew ID:** NAT01A
- **UPB ID:** UP01EA
### 09. 20. ROADS & BRIDGES

**09. 20.003. 2.04. Gravel course, crushed 3/4\(^\text{th}\) stone, compacted, 3\" deep**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>B RSM GC &lt;02244 0050 &gt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base course, crushed 3/4&quot; stone, compacted, 3&quot;D, large areas</td>
<td>39530 SY</td>
<td>COFGB36C</td>
<td>452.17</td>
<td>439</td>
<td>13,266</td>
<td>17,943</td>
<td>102,778</td>
<td>0</td>
<td>133,987</td>
<td>3.39</td>
</tr>
</tbody>
</table>

For material and equipment cost, see Means Construction Cost Data, 2004: 02720-200-0050

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Gravel course, crushed 3/4&quot;</td>
<td>39530 SY</td>
<td></td>
<td>439</td>
<td>13,266</td>
<td>17,943</td>
<td>102,778</td>
<td>0</td>
<td>133,987</td>
<td>3.39</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Site Preparation</td>
<td>8.20 ACR</td>
<td></td>
<td>648</td>
<td>19,075</td>
<td>24,820</td>
<td>102,778</td>
<td>0</td>
<td>146,673</td>
<td>17886.96</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Gravel Maintenance Road</td>
<td>8.20 ACR</td>
<td></td>
<td>706</td>
<td>20,773</td>
<td>26,083</td>
<td>102,778</td>
<td>0</td>
<td>149,634</td>
<td>18248.03</td>
<td></td>
</tr>
</tbody>
</table>

**09. 20.005. Bridges**

- Pedestrian and maintenance bridges as site amenities, abutments to be CIP reinforced concrete

**09. 20.005. 1. Fencing for Erosion Control**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF GC &lt;01534 0010 &gt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fencing, 11 ga, chain link, 5' high</td>
<td>2504.00 LF</td>
<td>ALABCLAB2</td>
<td>12.50</td>
<td>401</td>
<td>8,867</td>
<td>0</td>
<td>8,964</td>
<td>0</td>
<td>17,831</td>
<td>7.12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Fencing for Erosion Control</td>
<td>9.00 ACR</td>
<td></td>
<td>401</td>
<td>8,867</td>
<td>0</td>
<td>8,964</td>
<td>0</td>
<td>17,831</td>
<td>1981.25</td>
<td></td>
</tr>
</tbody>
</table>

**09. 20.005. 2. Clearing and Grubbing, debris removal, etc.**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF GC &lt;02109 0420 &gt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clear &amp; grub, burning, incinerator, light</td>
<td>7.00 ACR</td>
<td>UOEHB40A</td>
<td>0.28</td>
<td>100</td>
<td>2,899</td>
<td>2,156</td>
<td>0</td>
<td>0</td>
<td>5,055</td>
<td>722.14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Clearing and Grubbing, debris</td>
<td>7.00 ACR</td>
<td></td>
<td>100</td>
<td>2,899</td>
<td>2,156</td>
<td>0</td>
<td>0</td>
<td>5,055</td>
<td>722.14</td>
<td></td>
</tr>
</tbody>
</table>

**09. 20.005. 3. Excavating, structural, sand/loam, 2CY bkt**

**09. 20.005. 3.01. Hauling, no loading, 16.5 cy dump trailer, 10 mile RT**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL GC &lt;02234 1115 &gt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hauling, hwy haulers, 16.5 CY, 6 mi round trip @ 40 MPH (2.1 cyc/hr)</td>
<td>3366.00 CY</td>
<td>CTDHB34C</td>
<td>35.00</td>
<td>96</td>
<td>2,600</td>
<td>4,864</td>
<td>0</td>
<td>0</td>
<td>7,463</td>
<td>2.22</td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UNIT</td>
<td>CREW ID</td>
<td>OUTPUT</td>
<td>LABOR</td>
<td>EQUIPMENT</td>
<td>MATERIAL</td>
<td>OTHER</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>---------</td>
<td>--------</td>
<td>-------</td>
<td>-----------</td>
<td>----------</td>
<td>-------</td>
<td>------------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Hauling, no loading, 16.5 cy</strong></td>
<td>3366.00</td>
<td>CY</td>
<td>96</td>
<td>2,600</td>
<td>4,864</td>
<td>0</td>
<td>0</td>
<td>7,463</td>
<td>2.22</td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 3.02. Fill, spread dumped matl, by dozer, no compaction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RSM GC &lt;02216 2000 &gt; Backfill, strl, sand &amp; gravel, no cmpct, 75 HP dozer, 50' haul</td>
<td>3366.00 CY</td>
<td>CODTB10L</td>
<td>37</td>
<td>1,100</td>
<td>674</td>
<td>0</td>
<td>0</td>
<td>1,774</td>
<td>0.53</td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 3.03. Compaction, sheepfoot/wobbly whl rlr, 12&quot; lifts, 2 passes</td>
<td>3060.00 CY</td>
<td>COFCB32F</td>
<td>15</td>
<td>424</td>
<td>477</td>
<td>0</td>
<td>0</td>
<td>900</td>
<td>0.29</td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 4. Cast in Place reinforced concret This is for bridge abutment construction.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M MIL GC &lt;03330 3600 &gt; Concrete in place, dir chute, 500psi, incl forms,reinf, flexural on grade</td>
<td>3060.00 CY</td>
<td>ULABC8A</td>
<td>18.75</td>
<td>979</td>
<td>24,922</td>
<td>0</td>
<td>159,732</td>
<td>0</td>
<td>184,654</td>
<td>60.34</td>
</tr>
<tr>
<td>M MIL GC &lt;03217 0700 &gt; Reinforcing in place, walls, #3 to #7</td>
<td>161.00 TON SIWRRODM4</td>
<td>0.38</td>
<td>1,717</td>
<td>68,335</td>
<td>0</td>
<td>93,382</td>
<td>0</td>
<td>161,717</td>
<td>1004.45</td>
<td></td>
</tr>
<tr>
<td>M CIV GC &lt;03138 2100 &gt; Forms in place, 12&quot; w, plywood, 3 use, interior beam, beams &amp; girders</td>
<td>6750.00 SF</td>
<td>ACARC2</td>
<td>45.50</td>
<td>890</td>
<td>27,965</td>
<td>0</td>
<td>9,180</td>
<td>0</td>
<td>37,145</td>
<td>5.50</td>
</tr>
</tbody>
</table>

There are 18 abutments, and the dimensions of the abutment are: 25' (L) x 12' (W) x 15' (H)

Assume 105 lb/cy for reinforcing steel quantity calculation.

Then, 3060 cy x 105 lb/cy = 321,300 lbs.
### 09. 20. ROADS & BRIDGES

#### 09. 20.005. 5. Finished grading, tie in, stabl.

<table>
<thead>
<tr>
<th>MIL GC &lt;02512 1100 &gt; Fine grade, for slab on grade, machine</th>
<th>QUANTITY UOM CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.02 0.43 0.27 0.00</td>
<td>671</td>
<td>18,761</td>
<td>11,831 0 0</td>
<td>30,592</td>
<td>30,592</td>
<td>3399.13</td>
</tr>
</tbody>
</table>

**TOTAL Finished grading, tie in, stabl.** 9.00 ACR

#### 09. 20.005. 6. Prefab Bridges

- **09. 20.005. 6.01. Prefab Bridges (9 ea)**
  - Quote of delivered price is obtained from Steadfast Bridges Company in Alabama.
  - Width = 10' (wide enough for a service truck to pass by)
  - Spans = 48' ($25,345), 56' ($29,857), 74' ($41,373), 68' ($38,610), 101' ($77,759), 104' ($78,235), 136' ($127,242), 148' ($142,795), 74' ($41,373)
  - Total delivered cost = $602,589 (to Phoenix, AZ area)
  - Assume 10% as delivery, then, M=$542,330, O=$60,259
  - Total square foot of all the bridges = 8,090 SF

**09. 20.005. 6.02. Unloading and Erection**

<table>
<thead>
<tr>
<th>MIL GC &lt;           &gt; Outside Steel Worker</th>
<th>QUANTITY UOM CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside Steel Worker</td>
<td>1.00 43.93 0.00 0.00</td>
<td>161.80</td>
<td>162</td>
<td>7,108 0 0</td>
<td>7,108</td>
<td>7,108</td>
<td>43.93</td>
</tr>
</tbody>
</table>

**TOTAL Prefab Bridges (9 ea)**

**09. 20.005. 6.02. Unloading and Erection**

- **MIL GC <**
  - **Outside Steel Worker** (4)
  - Quote of delivered price is obtained from Excel Bridge Co. (www.excelbridge.com, Kenneth Longino, (562) 944-0701, 12001 Shoemaker Avenue, Santa Fe Springs, CA):
  - All widths = 12'
  - Spans = 48' ($40,320), 74' (2 ea) ($62,160/ea), 68' ($57,120), 101' ($100,600), 136' ($153,500), 56' ($47,040), 104' ($101,107), 79' ($86,360), 148' ($173,300)
  - Plus taxes, and F.O.B. Phoenix, AZ.
  - Total delivered cost = $602,589 (to Phoenix, AZ area)
  - Assume 10% as delivery, then, M=$542,330, O=$60,259
  - Total square foot of all the bridges = 8,090 SF
<table>
<thead>
<tr>
<th>CREW ID</th>
<th>EQUIP ID</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; Outside Equip. Operator, Heavy (for the crane)</td>
<td>161.80 HR</td>
<td>X-EQOPRHVY</td>
<td>1.00</td>
<td>162</td>
<td>5,425</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>33.53</td>
<td>33.53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; Outside Equip. Oiler</td>
<td>161.80 HR</td>
<td>X-EQOPROIL</td>
<td>1.00</td>
<td>162</td>
<td>4,300</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26.58</td>
<td>26.58</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; CRANE, HYD, S/P, RT, 4WD, 100T/88'BM, W/HOOK &amp; BALL</td>
<td>161.80 HR</td>
<td>C75GV016</td>
<td>1.00</td>
<td>162</td>
<td>5,425</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>156.85</td>
<td>156.85</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; Outside Laborer (2 for loading)</td>
<td>323.60 HR</td>
<td>X-LABORER</td>
<td>1.00</td>
<td>324</td>
<td>6,948</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>21.47</td>
<td>21.47</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; Outside Equip. Operator, Medium (for loader)</td>
<td>161.80 HR</td>
<td>X-EQOPRMED</td>
<td>1.00</td>
<td>162</td>
<td>5,372</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>33.20</td>
<td>33.20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP GC &lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; LDR, BH, WH, 1.25CY FE BKT, 24&quot; DIP, EXTENDAGE</td>
<td>161.80 HR</td>
<td>L50CS006</td>
<td>1.00</td>
<td>162</td>
<td>3,738</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>23.10</td>
<td>23.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Unloading and Erection</td>
<td>8090.00 SF</td>
<td>1,618</td>
<td>56,936</td>
<td>29,117</td>
<td>0</td>
<td>0</td>
<td>86,053</td>
<td>10.64</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Prefab Bridges</td>
<td>9.00 EA</td>
<td>1,618</td>
<td>56,936</td>
<td>29,117</td>
<td>542,330</td>
<td>60,259</td>
<td>688,642</td>
<td>76515.81</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Bridges</td>
<td>1.00 EA</td>
<td>6,524</td>
<td>212,807</td>
<td>49,119</td>
<td>813,588</td>
<td>60,259</td>
<td>1,135,773</td>
<td>1135773</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL ROADS &amp; BRIDGES</td>
<td>1.00 EA</td>
<td>11,176</td>
<td>362,784</td>
<td>171,054</td>
<td>1765490</td>
<td>60,259</td>
<td>2,359,587</td>
<td>2359587</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**09. 25. LET DOWN STRUCTURES**

Construct let down pipes to stabilize gullies in historic floodplain. Use 30" dia CMP with wingwalls, backfill gully

**09. 25.001. Let Down Structures**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quan</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>09. 25.001. 1. Fencing for Erosion Control</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.5 acres = 108,900 sf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Square root of 108,900 sf = 330 lf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>330 lf x 4 = 1,320 lf (perimeter)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AF GC &lt;01534 0010 &gt; Pencing, 11 ga, chain link, 5' high</td>
<td></td>
<td></td>
<td>ALABCLAB2</td>
<td>1320.00 LF</td>
<td>12.50</td>
<td>0.16</td>
<td>3.54</td>
<td>0.00</td>
<td>3.58</td>
<td>0.00</td>
<td>7.12</td>
</tr>
<tr>
<td><strong>TOTAL Fencing for Erosion Control</strong></td>
<td></td>
<td></td>
<td></td>
<td>2.50 ACR</td>
<td></td>
<td>211</td>
<td>4,674</td>
<td>0</td>
<td>4,726</td>
<td>0</td>
<td>9,400</td>
</tr>
</tbody>
</table>

**09. 25.001. 2. Clearing & Grubbing, debris removal, etc.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quan</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF GC &lt;02109 0420 &gt; Clear &amp; grub, burning, incinerator, light</td>
<td>1.90 ACR</td>
<td>UOEHB40A</td>
<td>0.28</td>
<td>27</td>
<td>787</td>
<td>585</td>
<td>0</td>
<td>0</td>
<td>1,372</td>
<td>722.14</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Clearing &amp; Grubbing, debris</strong></td>
<td></td>
<td></td>
<td></td>
<td>27</td>
<td>787</td>
<td>585</td>
<td>0</td>
<td>0</td>
<td>1,372</td>
<td>722.14</td>
<td></td>
</tr>
</tbody>
</table>

**09. 25.001. 3. Prep (excav) slope to receive let down pipe, assume 100 cy per acre.**

See "Hardened Slopes" for unit cost quote.

<table>
<thead>
<tr>
<th>Description</th>
<th>Quan</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prep (excav) slope to receive</td>
<td>500.00 CY</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
<td>750</td>
<td></td>
<td>1,50</td>
<td></td>
</tr>
</tbody>
</table>

**09. 25.001. 4. 30" Pipe Laying**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quan</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install pipe bedding, gravel, 24&quot; by 24&quot;</td>
<td></td>
<td></td>
<td>CODLB6</td>
<td>150.00 CY</td>
<td>32.50</td>
<td>14</td>
<td>346</td>
<td>70</td>
<td>7,041</td>
<td>7,457</td>
<td>49.72</td>
</tr>
<tr>
<td><strong>TOTAL Install pipe bedding, gravel</strong></td>
<td>150.00 CY</td>
<td></td>
<td>14</td>
<td>346</td>
<td>70</td>
<td>7,041</td>
<td>0</td>
<td>7,457</td>
<td></td>
<td>49.72</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Quan</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piping, storm drain, 30&quot;, 20'L, 14 ga, CMP, bitum ctd, w/paved invert</td>
<td>1000.00 LF</td>
<td>CLABB13</td>
<td>15.00</td>
<td>467</td>
<td>11,672</td>
<td>6,312</td>
<td>22,110</td>
<td>0</td>
<td>40,094</td>
<td>40.09</td>
<td></td>
</tr>
</tbody>
</table>
### 09. 25. LET DOWN STRUCTURES

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>467</td>
<td></td>
<td></td>
<td>11,672</td>
<td>6,312</td>
<td></td>
<td>22,110</td>
<td></td>
<td>0</td>
<td>40,094</td>
<td>40.09</td>
</tr>
</tbody>
</table>

**TOTAL Install 30" dia CMP, 200 lf per 1000.00 LF**

- 09. 25.001. 4.03. Install wingwall deflectors on mitred pipe ends, 2 per pipe
  - Cost assumed. See Eldon Kraft’s e-mail dated 05/21/04
  - TOTAL Install wingwall deflectors on 10.00 EA
    - 0 0 0 0 30,000 30,000 3000.00

**TOTAL 30" Pipe Laying**

- 1000.00 LF
  - 481 12,019 6,381 29,151 30,000 77,551 77.55

---

**09. 25.001. 5. Backfilling & Compaction**

- 09. 25.001. 5.01. Hauling, no loading, 16.5 cy dump trailer, 10 mile RT
  - MIL GC <02234 1115 > Hauling, hwy haulers, 16.5 CY, 6 mi round trip @ 40 MPH (2.1 cyc/hr)
    - 30000 CY CTDHB34C 35.00 858 23,169 43,347 0 0 66,516 2.22

**TOTAL Hauling, no loading, 16.5 cy**

- 30000 CY
  - 858 23,169 43,347 0 0 66,516 2.22

- 09. 25.001. 5.02. Fill, spread dumped matl, by dozer, no compaction
  - See "Hardened Slope" for cost quote.
  - TOTAL Fill, spread dumped matl, by
    - 30000 CY
      - 0 0 0 0 19,500 19,500 0.65

- 09. 25.001. 5.03. Compaction, sheepfoot/wobbly whl rlr, 12" lifts, 2 passes
  - AF GC <02220 5660 > Compaction, riding, 8" lifts, 2 passes, sheepfoot/wobbly wheel roller
    - 30000 CY COFCB32F 600.00 150 4,152 4,674 0 0 8,826 0.29

**TOTAL Compaction, sheepfoot/wobbly**

- 30000 CY
  - 150 4,152 4,674 0 0 8,826 0.29

- 09. 25.001. 5.04. Fine grade filled area, for irregular areas, adverse cond.
  - See "Hardened Slope" for cost quote.
  - TOTAL Fine grade filled area, for
    - 2.50 ACR
      - 0 0 0 0 5,445 5,445 2178.00

**TOTAL Backfilling & Compaction**

- 30000 CY
  - 1,008 27,321 48,021 0 24,945 100,287 3.34
### 09. 25. LET DOWN STRUCTURES

<table>
<thead>
<tr>
<th>QUANUTY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

#### 9. 25. 001. 6. Planting and Seeding

**09. 25.001. 6.01. Mulching, hay, 1" deep, power**  
(cont'd) mulcher, large

Productivity is quoted from Means Crew B65.  
Material cost = $19.15/MSF x 43.56 MSF/acr = $834.17/acr

<table>
<thead>
<tr>
<th>MIL GC &lt;</th>
<th>Outside Laborer</th>
<th>1.38 HR</th>
<th>X-LABORER</th>
<th>1.00</th>
<th>1</th>
<th>28</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>28</th>
<th>20.56</th>
</tr>
</thead>
</table>

**09. 25.001. 6.02. Crimping, tilling topsoil**  
(cont'd) 20 HP tractor, disk harrow, 6" deep

<table>
<thead>
<tr>
<th>MAP GC &lt;</th>
<th>TRACTOR, WH, FARM, 40-59HP, 2X4</th>
<th>8.40 HR</th>
<th>T25JD005</th>
<th>1.00</th>
<th>0</th>
<th>64</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>64</th>
<th>7.67</th>
</tr>
</thead>
</table>

**09. 25.001. 6.03. Seeding, athletic field mix,**

M RSM GC <02932 0010 > Seeding, athletic field mix,  
#/#/MSF push spreader

<table>
<thead>
<tr>
<th>M RSM GC &lt;02932 0010 &gt; Seeding, athletic field mix,</th>
<th>104.54 MSF ALABCLAB1</th>
<th>1.00</th>
<th>105</th>
<th>2,314</th>
<th>0</th>
<th>4,957</th>
<th>0</th>
<th>7,271</th>
<th>69.55</th>
<th>69.55</th>
</tr>
</thead>
</table>

125 acres = 5,445 msf

**TOTAL Seeding, athletic field mix,**

<p>| 2.40 ACR | 105 | 2,314 | 0 | 4,957 | 0 | 7,271 | 3029.69 | 3029.69 |</p>
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20.47</td>
</tr>
<tr>
<td>09. 25.001. 6.04. Place Coarse Woody debris/rocks</td>
<td></td>
<td>Outside Laborer (4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M MIL GC &lt;</td>
<td>&gt;</td>
<td>1.00</td>
<td>20.47</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>20.47</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>&gt;</td>
<td>67.20 HR X-LABORER</td>
<td>1.00</td>
<td>67</td>
<td>1,376</td>
<td>0</td>
<td>0</td>
<td>1,376</td>
<td>20.47</td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>&gt;</td>
<td>Material and equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.10 ACR N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Place Coarse Woody debris/rocks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 6.05. Plant Mesquite/Shrub mix using (cont'd) 5 gallon plants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USR GC &lt;</td>
<td>&gt;</td>
<td>Planting of 5-gallon plants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See bid result of Rio Salado Ph 1A</td>
<td></td>
<td>1125.00 EA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.00</td>
<td>0</td>
<td>0</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>15.00</td>
<td>15.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Planting and Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Let Down Structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL CONSTRUCTION (RESTORATION)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Labor ID: A50401  Equipment ID: NAT99C
Currency in DOLLARS  Crew ID: NAT01A  UPB ID: UP01EA
### 14. RECREATION

#### 14. 30. RECREATION FEATURES

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

**14. 30.001. Parking Areas**

Construct parking areas at various locations throughout project area with a total capacity of 60-80 spaces.

1. **Fencing for Erosion Control**
   - 1.8 acres = 78,408 sf
   - Square root of 78,408 sf = 280 lf
   - 280 x 4 = 1,120 lf (perimeter)

<table>
<thead>
<tr>
<th>AF</th>
<th>GC</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1.80 ACR</td>
<td></td>
<td></td>
<td>179</td>
<td>3,966</td>
<td>0</td>
<td>4,010</td>
<td>0</td>
<td>7,976</td>
<td>7.12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ALABCLAB2</td>
<td>12.50</td>
<td>0.16</td>
<td>3.54</td>
<td>0.00</td>
<td>7.12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL Fencing for Erosion Control</td>
<td>1.80 ACR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4430.91</td>
<td></td>
</tr>
</tbody>
</table>

2. **Clearing & Grubbing, debris removal, etc.**

<table>
<thead>
<tr>
<th>AF</th>
<th>GC</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1.80 ACR</td>
<td></td>
<td>UOEHB40A</td>
<td>0.28</td>
<td>27</td>
<td>787</td>
<td>585</td>
<td>762.26</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. **Site Preparation**

   3.01. **Ripping, discing to prepare surface**

<table>
<thead>
<tr>
<th>RSM</th>
<th>GC</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1.80 CY</td>
<td>88.75</td>
<td>CODTB10B</td>
<td>0.02</td>
<td>0.51</td>
<td>0.74</td>
<td>0.00</td>
<td>1.25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assume 10 cy/acre</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12.49</td>
<td></td>
</tr>
</tbody>
</table>

   3.02. **Regrade to req'd slopes, flatten balance cut matl onsite**

<table>
<thead>
<tr>
<th>MIL</th>
<th>GC</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1.80 CY</td>
<td>300.00</td>
<td>CODTB10M</td>
<td>0.01</td>
<td>0.15</td>
<td>0.33</td>
<td>0.00</td>
<td>0.48</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assume 10 cy/acre</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.82</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:**

- **Currency in DOLLARS**
- **LABOR ID:** AZ0401
- **EQUIP ID:** NAT99C
- **CREW ID:** NAT01A
- **UPB ID:** UP01EA
14. 30. RECREATION FEATURES

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

### 14. 30.001. 3.03. Regrade surface, scraper-grader, balance, max depth 36"

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL GC &lt;02226 3100 &gt; Excavation, bulk, 9 cycle/hr, push loaded self prop scraper, 9 4410.00 CY CODSB33F</td>
<td>0.03</td>
<td>0.83</td>
<td>1.34</td>
<td>0.00</td>
<td>0.00</td>
<td>2.17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCV</td>
<td>120</td>
<td>3,666</td>
<td>5,920</td>
<td>0</td>
<td>0</td>
<td>9,587</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Regrade surface, scraper-grader, 4410.00 CY</td>
<td>120</td>
<td>3,666</td>
<td>5,920</td>
<td>0</td>
<td>0</td>
<td>9,587</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 14. 30.001. 3.04. Compaction, riding, sheepfoot or wobbly whl, 2 passes

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF GC &lt;02220 5660 &gt; Compaction, riding, 8&quot; lifts, 2 passes, sheepfoot/wobbly wheel 8810.00 CY COFCB32F</td>
<td>0.01</td>
<td>0.14</td>
<td>0.16</td>
<td>0.00</td>
<td>0.00</td>
<td>0.29</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>roller</td>
<td>44</td>
<td>1,219</td>
<td>1,373</td>
<td>0</td>
<td>0</td>
<td>2,592</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Compaction, riding, sheepfoot 8810.00 SY</td>
<td>44</td>
<td>1,219</td>
<td>1,373</td>
<td>0</td>
<td>0</td>
<td>2,592</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 14. 30.001. 3.05. Fine grade, grade subgrade for base course, roadways

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL GC &lt;02512 0020 &gt; Fine grade, for roadway, base or leveling course 8.81 MSY COFGB11L</td>
<td>11.76</td>
<td>329.35</td>
<td>207.71</td>
<td>0.00</td>
<td>0.00</td>
<td>537.06</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>104</td>
<td>2,902</td>
<td>1,830</td>
<td>0</td>
<td>0</td>
<td>4,731</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Fine grade, grade subgrade for 8810.00 SY</td>
<td>104</td>
<td>2,902</td>
<td>1,830</td>
<td>0</td>
<td>0</td>
<td>4,731</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 14. 30.001. 4. Asphalt Paving, 6" stone base, 2" base course, 1" topping


<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Asphalt Paving, 6&quot; stone base, 79280 SF</td>
<td>0</td>
<td>11,892</td>
<td>14,270</td>
<td>103,064</td>
<td>0</td>
<td>129,226</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 14. 30.001. 5. Lines on pavement, parking stall

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Lines on pavement, parking stall</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,500</td>
<td>1,500</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 14. 30.001. 6. Parking Lot Amenities, lighting, curbs, drainage, etc.

<table>
<thead>
<tr>
<th>Description</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Parking Lot Amenities, lighting</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>10,000</td>
<td>10,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TOTAL Parking Areas

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Parking Areas 1.80 ACR</td>
<td>474</td>
<td>24,444</td>
<td>23,998</td>
<td>107,074</td>
<td>11,500</td>
<td>167,016</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CURRENCY IN DOLLARS
### 14. RECREATION FEATURES

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>

#### 14. 30.005. Decomposed Granite Trails

Construct DG trail at various locations throughout project area, 10 foot width

| AF GC <02109 0420 > | Clear & grub, burning, incinerator, light | 2.00 ACR UOEHB40A | 0.28 | 28 | 828 | 616 | 0 | 0 | 1,444 | 722.14 |

**TOTAL Clearing & Grubbing, debris**

| 2.00 ACR | 28 | 828 | 616 | 0 | 0 | 1,444 | 722.14 |

#### 14. 30.005. 1. Clearing & Grubbing, debris removal, etc.

14. 30.005. 1. Clearing & Grubbing, debris

| AF GC <02109 0420 > | Clear & grub, burning, incinerator, light | 2.00 ACR UOEHB40A | 0.28 | 28 | 828 | 616 | 0 | 0 | 1,444 | 722.14 |

**TOTAL Clearing & Grubbing, debris**

| 2.00 ACR | 28 | 828 | 616 | 0 | 0 | 1,444 | 722.14 |

#### 14. 30.005. 2. Site Preparation

14. 30.005. 2. Site Preparation

14. 30.005. 2.01. Ripping, discing to prepare surface

| RSM GC <02238 0010 > Ripping, trap rock, soft, 200 HP dozer, ideal conditions | 20.00 CY CODTB10B | 88.75 | 0 | 10 | 15 | 0 | 0 | 25 | 12.49 |

**TOTAL Ripping, discing to prepare**

| 2.00 ACR | 0 | 10 | 15 | 0 | 0 | 25 | 12.49 |

14. 30.005. 2.02. Regrade, flatten, balance cut matl. Onsite, 50% of area

| MIL GC <02224 7020 > Excavating, bulk, dozer, 300 HP, large area, open site, rough grade | 1540.00 CY CODTB10M | 300.00 | 8 | 231 | 511 | 0 | 0 | 742 | 0.48 |

**TOTAL Regrade, flatten, balance cut**

| 1540.00 CY | 8 | 231 | 511 | 0 | 0 | 742 | 0.48 |

14. 30.005. 2.03. Compaction, riding, sheepfoot/ wobbly whl, 2 passes

| AF GC <02220 5660 > Compaction, riding, 8" lifts, 2 passes, sheepfoot/wobbly wheel roller | 30640 CY COFCB32F | 600.00 | 153 | 4,241 | 4,774 | 0 | 0 | 9,014 | 0.29 |

**TOTAL Compaction, riding, sheepfoot/ wobbly wheel**

| 30640 SY | 153 | 4,241 | 4,774 | 0 | 0 | 9,014 | 0.29 |

**TOTAL Site Preparation**

| 2.00 ACR | 161 | 4,481 | 5,300 | 0 | 0 | 9,781 | 4890.62 |
### 14. 30.005. 3. Decomposed Granite course, crushed 3/4" stone, compacted, 3" deep

In one sq ft, the volume is about 0.25 cf. Then, we need 275740 sf x 0.25 cf = 68,935 cf = 2,553 cy. Using the conversion factor of 1.50 ton/cy for the DG, then we get 3,830 tons.

Per material cost quotation from Flamingo Sand and Gravel, (800) 777-6299, the total cost including tax and delivery is about $30/ton for Az area.

<table>
<thead>
<tr>
<th>QUANTY UOM CREW ID</th>
<th>OUTPUT MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>3830.00 TON</td>
<td>153</td>
<td>4,522</td>
<td>2,584</td>
<td>0</td>
<td>7,106</td>
</tr>
</tbody>
</table>

### 14. 30.005. 3.02. Spread and Compaction

<table>
<thead>
<tr>
<th>EP GC &lt;</th>
<th>G05CA003</th>
<th>1.00</th>
<th>0.00</th>
<th>38.17</th>
<th>0.00</th>
<th>38.17</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP GC &lt;</td>
<td>G30HY005</td>
<td>1.00</td>
<td>0.00</td>
<td>19.08</td>
<td>0.00</td>
<td>19.08</td>
</tr>
<tr>
<td>EP GC &lt;</td>
<td>G50GM006</td>
<td>1.00</td>
<td>0.00</td>
<td>10.23</td>
<td>0.00</td>
<td>10.23</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>X-EQOPRMED</td>
<td>1.00</td>
<td>0.00</td>
<td>32.20</td>
<td>0.00</td>
<td>32.20</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>X-EQOPRMED</td>
<td>1.00</td>
<td>0.00</td>
<td>32.20</td>
<td>0.00</td>
<td>32.20</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>X-LABORER</td>
<td>1.00</td>
<td>0.00</td>
<td>20.47</td>
<td>0.00</td>
<td>20.47</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>X-EQOPRMED</td>
<td>1.00</td>
<td>0.00</td>
<td>33.20</td>
<td>0.00</td>
<td>33.20</td>
</tr>
</tbody>
</table>

**TOTAL Spread and Compaction**

| 3830.00 TON | 153 | 4,522 | 2,584 | 0 | 7,106 | 1.86 |

**TOTAL Decomposed Granite course, 275740 SF**

| 153 | 4,522 | 2,584 | 0 | 114,900 | 122,006 | 0.44 |

### 14. 30.005. 4. Trail amenities, ADA ramps, sign markings, etc.

<table>
<thead>
<tr>
<th>EP GC &lt;</th>
<th>G05CA003</th>
<th>1.00</th>
<th>0.00</th>
<th>38.17</th>
<th>0.00</th>
<th>38.17</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP GC &lt;</td>
<td>R30HY005</td>
<td>1.00</td>
<td>0.00</td>
<td>19.08</td>
<td>0.00</td>
<td>19.08</td>
</tr>
<tr>
<td>EP GC &lt;</td>
<td>T50GM006</td>
<td>1.00</td>
<td>0.00</td>
<td>10.23</td>
<td>0.00</td>
<td>10.23</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>X-EQOPRMED</td>
<td>1.00</td>
<td>0.00</td>
<td>32.20</td>
<td>0.00</td>
<td>32.20</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>X-EQOPRMED</td>
<td>1.00</td>
<td>0.00</td>
<td>32.20</td>
<td>0.00</td>
<td>32.20</td>
</tr>
<tr>
<td>MIL GC &lt;</td>
<td>X-EQOPRMED</td>
<td>1.00</td>
<td>0.00</td>
<td>32.20</td>
<td>0.00</td>
<td>32.20</td>
</tr>
</tbody>
</table>

**TOTAL Trail amenities, ADA ramps, sign markings, etc.**

| 343 | 9,831 | 8,501 | 0 | 124,900 | 143,232 | 143231.98 |

**TOTAL Decomposed Granite Trails**

| 1.00 EA | 343 | 9,831 | 8,501 | 0 | 124,900 | 143,232 | 143231.98 |
14. 30.010. Other Recreation Features
Additions to Paved Maintenance Road/DG Trail alignment to facilitate recreation use.

14. 30.010. 1. Paved Trail amenities, curb splice, ADA ramps, signs, markings

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000.00</td>
</tr>
<tr>
<td>3.00 EA</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>300,000</td>
<td>300,000</td>
<td>100000.00</td>
</tr>
<tr>
<td>5.00 EA</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>15,000</td>
<td>15,000</td>
<td>3000.00</td>
</tr>
</tbody>
</table>

14. 30.010. 4. Concrete Benches

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Benches</td>
<td>21.00 EA</td>
<td>EA</td>
<td>ALABCLAB2</td>
<td>0.50</td>
<td>84</td>
<td>1,859</td>
<td>0</td>
<td>13,050</td>
<td>0</td>
<td>14,909</td>
<td>709.94</td>
</tr>
</tbody>
</table>

14. 30.010. 5. Signage

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signage</td>
<td>21.00 EA</td>
<td>EA</td>
<td>ALABCLAB1</td>
<td>2.00</td>
<td>11</td>
<td>232</td>
<td>0</td>
<td>353</td>
<td>0</td>
<td>585</td>
<td>27.87</td>
</tr>
</tbody>
</table>

14. 30.010. 5. Other Recreation Features

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>13,402</td>
<td>13,402</td>
<td>120,476</td>
</tr>
</tbody>
</table>

14. 30.010. 5. RECREATION FEATURES

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>340,493</td>
<td>340,493</td>
<td>650,741</td>
</tr>
</tbody>
</table>

14. 30.010. 5. RECREATION

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>650,741</td>
<td>650,741</td>
<td>650,741</td>
</tr>
</tbody>
</table>
### 30. PLANNING, ENGINEERING, DESIGN

#### and Engineering During Construction

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>AZ0401</td>
<td></td>
<td></td>
<td>NAT01A</td>
<td>NAT99C</td>
<td></td>
<td></td>
<td>$5,120,000</td>
<td>5,120,000</td>
</tr>
</tbody>
</table>

$4,658,626 + $465,863 = $5,124,490

TOTAL Construction: $5,120,000
30.014. Recreation

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>EA</td>
<td>AZ0401</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td>95,285</td>
<td>95,285</td>
</tr>
</tbody>
</table>

TOTAL Recreation: $85,457 + $9,828 = $95,285

TOTAL PLANNING, ENGINEERING, DESIGN: $5,215,285

Labor ID: AZ0401  Equip ID: NAT99C  Currency in DOLLARS  Crew ID: NAT01A  UPB ID: UP01EA
### 31. CONSTRUCTION MANAGEMENT

**(Supervision and Administration/Adaptive Management/Monitoring)**

31.009. Construction (Restoration)

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>EA</td>
<td>NAT01A</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
<td>5,980,000</td>
</tr>
</tbody>
</table>

$3,482,323 + $1,870,205 + $623,304 = $5,975,832 (See Paseo_MCACES Summary.xls)
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CREW ID</th>
<th>OUTPUT</th>
<th>MANHRS</th>
<th>LABOR EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Recreation</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>63,879</td>
<td></td>
<td>63,879</td>
<td>63,879.00</td>
</tr>
<tr>
<td>TOTAL CONSTRUCTION MANAGEMENT</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td></td>
<td>6,043,879</td>
<td>6,043,879</td>
</tr>
<tr>
<td>TOTAL Paseo de las Iglesias Feas Study</td>
<td>1.00 EA</td>
<td>344,214</td>
<td>105,827</td>
<td>93</td>
<td>4,845,615</td>
<td>128,030</td>
<td>35</td>
<td>45,821,315</td>
<td>74,052,757</td>
</tr>
</tbody>
</table>
**PROJECT OWNER SUMMARY - Scope**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26200000</td>
</tr>
<tr>
<td>09 CONSTRUCTION (RESTORATION)</td>
<td>1.00 EA</td>
<td>47,203,570</td>
<td>4,940,000</td>
<td>6,990,000</td>
<td>59,133,570</td>
<td>59133570</td>
</tr>
<tr>
<td>14 RECREATION</td>
<td>1.00 EA</td>
<td>854,615</td>
<td>13,123</td>
<td>128,185</td>
<td>995,923</td>
<td>995923.43</td>
</tr>
<tr>
<td>30 PLANNING, ENGINEERING, DESIGN</td>
<td>1.00 EA</td>
<td>5,215,285</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5215285</td>
</tr>
<tr>
<td>31 CONSTRUCTION MANAGEMENT</td>
<td>1.00 EA</td>
<td>6,043,879</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td>6043879</td>
</tr>
<tr>
<td>TOTAL Paseo de las Iglesias Feas Study</td>
<td>1.00 EA</td>
<td>85,517,349</td>
<td>4,953,123</td>
<td>7,118,185</td>
<td>97,588,657</td>
<td>97588657</td>
</tr>
</tbody>
</table>
** PROJECT OWNER SUMMARY - Facility **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATION</th>
<th>CONTINGENCY</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26200000</td>
<td></td>
</tr>
<tr>
<td>09 CONSTRUCTION (RESTORATION)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01 IRRIGATION PLANTING</td>
<td>1.00 EA</td>
<td>35,114,721</td>
<td>3,674,864</td>
<td>5,199,859</td>
<td>43,999,444</td>
<td>43999444</td>
<td></td>
</tr>
<tr>
<td>09. 05 BASINS PLANTING</td>
<td>1.00 EA</td>
<td>731,469</td>
<td>76,550</td>
<td>108,317</td>
<td>916,336</td>
<td>916336.78</td>
<td></td>
</tr>
<tr>
<td>09. 10 HARDENED BANKS</td>
<td>1.00 EA</td>
<td>3,325,523</td>
<td>348,026</td>
<td>492,450</td>
<td>4,165,999</td>
<td>4165999</td>
<td></td>
</tr>
<tr>
<td>09. 15 PIPING</td>
<td>1.00 EA</td>
<td>4,647,640</td>
<td>486,390</td>
<td>688,232</td>
<td>5,822,262</td>
<td>5822262</td>
<td></td>
</tr>
<tr>
<td>09. 20 ROADS &amp; BRIDGES</td>
<td>1.00 EA</td>
<td>3,098,834</td>
<td>324,303</td>
<td>458,882</td>
<td>3,882,018</td>
<td>3882018</td>
<td></td>
</tr>
<tr>
<td>09. 25 LET DOWN STRUCTURES</td>
<td>1.00 EA</td>
<td>285,383</td>
<td>29,866</td>
<td>42,260</td>
<td>357,509</td>
<td>357509.28</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>TOTAL CONSTRUCTION (RESTORATION)</td>
<td>1.00 EA</td>
<td>47,203,570</td>
<td>4,940,000</td>
<td>6,990,000</td>
<td>59,133,570</td>
<td>59133570</td>
<td></td>
</tr>
<tr>
<td>14 RECREATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30 RECREATION FEATURES</td>
<td>1.00 EA</td>
<td>854,615</td>
<td>13,123</td>
<td>128,185</td>
<td>995,923</td>
<td>995923.43</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>TOTAL RECREATION</td>
<td>1.00 EA</td>
<td>854,615</td>
<td>13,123</td>
<td>128,185</td>
<td>995,923</td>
<td>995923.43</td>
<td></td>
</tr>
<tr>
<td>30 PLANNING, ENGINEERING, DESIGN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.009 Construction</td>
<td>1.00 EA</td>
<td>5,120,000</td>
<td>0</td>
<td>0</td>
<td>5,120,000</td>
<td>5120000</td>
<td></td>
</tr>
<tr>
<td>30.014 Recreation</td>
<td>1.00 EA</td>
<td>95,285</td>
<td>0</td>
<td>0</td>
<td>95,285</td>
<td>95285.00</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>TOTAL PLANNING, ENGINEERING, DESIGN</td>
<td>1.00 EA</td>
<td>5,215,285</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5215285</td>
<td></td>
</tr>
<tr>
<td>31 CONSTRUCTION MANAGEMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31.009 Construction (Restoration)</td>
<td>1.00 EA</td>
<td>5,980,000</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
<td>5980000</td>
<td></td>
</tr>
<tr>
<td>31.014 Recreation</td>
<td>1.00 EA</td>
<td>63,879</td>
<td>0</td>
<td>0</td>
<td>63,879</td>
<td>63879.00</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>TOTAL CONSTRUCTION MANAGEMENT</td>
<td>1.00 EA</td>
<td>6,043,879</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td>6043879</td>
<td></td>
</tr>
<tr>
<td>TOTAL Paseo de las Iglesias Feas Study</td>
<td>1.00 EA</td>
<td>85,517,349</td>
<td>4,953,123</td>
<td>7,118,185</td>
<td>97,588,657</td>
<td>97588657</td>
<td></td>
</tr>
</tbody>
</table>
**PROJECT OWNER SUMMARY - System**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26200000</td>
</tr>
</tbody>
</table>

**09 CONSTRUCTION (RESTORATION)**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 01 IRRIGATION PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.0101 Historic Floodplain</td>
<td>1.00 EA</td>
<td>12,587,475</td>
<td>1,317,318</td>
<td>1,863,979</td>
<td>28,631,716</td>
<td>28631716</td>
</tr>
<tr>
<td>09.0105 Graded Slope</td>
<td>1.00 EA</td>
<td>11,672,230</td>
<td>1,221,535</td>
<td>1,728,447</td>
<td>24,622,212</td>
<td>24622212</td>
</tr>
<tr>
<td>09.0106 Natural Slope</td>
<td>1.00 EA</td>
<td>1,044,559</td>
<td>109,316</td>
<td>154,680</td>
<td>1,308,556</td>
<td>1308556</td>
</tr>
<tr>
<td>09.0101 Second Bench</td>
<td>1.00 EA</td>
<td>6,896,001</td>
<td>721,688</td>
<td>1,021,174</td>
<td>8,638,862</td>
<td>8638862</td>
</tr>
<tr>
<td>09.0102 First Bench</td>
<td>1.00 EA</td>
<td>2,914,456</td>
<td>305,007</td>
<td>431,579</td>
<td>3,651,042</td>
<td>3651042</td>
</tr>
<tr>
<td>TOTAL IRRIGATION PLANTING</td>
<td>1.00 EA</td>
<td>35,114,721</td>
<td>3,674,864</td>
<td>5,199,859</td>
<td>43,989,444</td>
<td>43989444</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 05 BASINS PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.0501 Tributary Infiltration Basins</td>
<td>1.00 EA</td>
<td>556,366</td>
<td>58,225</td>
<td>82,388</td>
<td>696,979</td>
<td>696979.43</td>
</tr>
<tr>
<td>09.0505 Grade Control Infiltration Basin</td>
<td>1.00 EA</td>
<td>175,103</td>
<td>18,325</td>
<td>25,930</td>
<td>219,357</td>
<td>219357.35</td>
</tr>
<tr>
<td>TOTAL BASINS PLANTING</td>
<td>1.00 EA</td>
<td>731,469</td>
<td>76,550</td>
<td>108,317</td>
<td>916,336</td>
<td>916336.78</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 10 HARDENED BANKS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.1001 Hardened Slopes</td>
<td>1.00 EA</td>
<td>3,325,523</td>
<td>348,026</td>
<td>492,450</td>
<td>4,165,999</td>
<td>4165999</td>
</tr>
<tr>
<td>TOTAL HARDENED BANKS</td>
<td>1.00 EA</td>
<td>3,325,523</td>
<td>348,026</td>
<td>492,450</td>
<td>4,165,999</td>
<td>4165999</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 15 PIPING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.1501 Irrigation Piping</td>
<td>1.00 EA</td>
<td>4,647,640</td>
<td>486,390</td>
<td>688,232</td>
<td>5,822,262</td>
<td>5822262</td>
</tr>
<tr>
<td>TOTAL PIPING</td>
<td>1.00 EA</td>
<td>4,647,640</td>
<td>486,390</td>
<td>688,232</td>
<td>5,822,262</td>
<td>5822262</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 20 ROADS &amp; BRIDGES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.2001 Compacted Earth Maintenance Road</td>
<td>8.30 ACR</td>
<td>24,841</td>
<td>2,600</td>
<td>3,679</td>
<td>31,119</td>
<td>3749.33</td>
</tr>
<tr>
<td>09.2002 Paved Maintenance Roads</td>
<td>18.00 ACR</td>
<td>1,385,874</td>
<td>145,036</td>
<td>205,223</td>
<td>1,736,134</td>
<td>96451.86</td>
</tr>
<tr>
<td>09.2003 Gravel Maintenance Road</td>
<td>8.20 ACR</td>
<td>196,513</td>
<td>20,566</td>
<td>29,100</td>
<td>246,179</td>
<td>30021.85</td>
</tr>
<tr>
<td>09.2005 Bridges</td>
<td>1.00 EA</td>
<td>1,491,605</td>
<td>156,101</td>
<td>220,880</td>
<td>1,868,586</td>
<td>1868586</td>
</tr>
<tr>
<td>TOTAL ROADS &amp; BRIDGES</td>
<td>1.00 EA</td>
<td>3,098,834</td>
<td>324,303</td>
<td>458,882</td>
<td>3,882,018</td>
<td>3882018</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 25 LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.2501 Let Down Structures</td>
<td>1.00 EA</td>
<td>285,383</td>
<td>29,866</td>
<td>42,260</td>
<td>357,509</td>
<td>357509.28</td>
</tr>
</tbody>
</table>
**PROJECT OWNER SUMMARY - System**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATION</th>
<th>CONTINGENCY</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL LET DOWN STRUCTURES</strong></td>
<td>1.00</td>
<td>EA</td>
<td>285,383</td>
<td>29,866</td>
<td>42,260</td>
<td>357,509</td>
<td>357509.28</td>
</tr>
<tr>
<td><strong>TOTAL CONSTRUCTION (RESTORATION)</strong></td>
<td>1.00</td>
<td>EA</td>
<td>47,203,570</td>
<td>4,940,000</td>
<td>6,990,000</td>
<td>59,133,570</td>
<td>59133570</td>
</tr>
</tbody>
</table>

14 RECREATION

14. 30 RECREATION FEATURES

14. 30.001 Parking Areas | 1.80 | ACR | 219,341 | 3,368 | 32,899 | 255,608 | 142004.41 |
14. 30.005 Decomposed Granite Trails | 1.00 | EA | 188,106 | 2,888 | 28,214 | 219,209 | 219208.56 |
14. 30.010 Other Recreation Features | 1.00 | EA | 447,169 | 6,866 | 67,072 | 521,107 | 521106.93 |

**TOTAL RECREATION FEATURES** | 1.00 | EA | 854,615 | 13,123 | 128,185 | 995,923 | 995923.43 |

**TOTAL RECREATION** | 1.00 | EA | 854,615 | 13,123 | 128,185 | 995,923 | 995923.43 |

30 PLANNING, ENGINEERING, DESIGN

30.009 Construction | 1.00 | EA | 5,120,000 | 0 | 0 | 5,120,000 | 5120000 |
30.014 Recreation | 1.00 | EA | 95,285 | 0 | 0 | 95,285 | 95285.00 |

**TOTAL PLANNING, ENGINEERING, DESIGN** | 1.00 | EA | 5,215,285 | 0 | 0 | 5,215,285 | 5215285 |

31 CONSTRUCTION MANAGEMENT

31.009 Construction (Restoration) | 1.00 | EA | 5,980,000 | 0 | 0 | 5,980,000 | 5980000 |
31.014 Recreation | 1.00 | EA | 63,879 | 0 | 0 | 63,879 | 63879.00 |

**TOTAL CONSTRUCTION MANAGEMENT** | 1.00 | EA | 6,043,879 | 0 | 0 | 6,043,879 | 6043879 |

**TOTAL Paseo de las Iglesias Feas Study** | 1.00 | EA | 85,517,349 | 4,953,123 | 7,118,185 | 97,588,657 | 97588657 |
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26200000</td>
</tr>
</tbody>
</table>

**09 CONSTRUCTION (RESTORATION)**

**09. 01 IRRIGATION PLANTING**

- **09. 01.001 Historic Floodplain**
  - 09. 01.001.1 Fencing for Erosion Control: 656.00 ACR, 199,985
  - 09. 01.001.2 Clearing & Grubbing, Debris: 328.00 ACR, 622,138
  - 09. 01.001.3 Site Preparation: 1.00 EA, 43,274
  - 09. 01.001.5 Compaction (tractor wheel, one): 356,950 LF, 553,508
  - 09. 01.001.6 Trenching for Water Supply Pipes: 17,050.00 CY, 29,450
  - 09. 01.001.7 Pipe bedding, crushed stone: 1,705,000 LF, 855,960
  - 09. 01.001.8 Install gated 12" PVC pipe: 114,720.00 LF, 1,015,381
  - 09. 01.001.9 Planting & Seeding: 558.00 ACR, 8,742,892

  **TOTAL Historic Floodplain:** 1.00 EA, 12,587,475

- **09. 01.005 Graded Slope**
  - 09. 01.005.1 Fencing for Erosion Control: 102.00 ACR, 78,857
  - 09. 01.005.2 Clearing and Grubbing, debris: 51.00 ACR, 48,367
  - 09. 01.005.3 Excavation, strl, mach excav.: 121,339 CY, 842,982
  - 09. 01.005.4 Excavation, steep slopes, 5:1: 121,339 CY, 4,623,176
  - 09. 01.005.5 Fine grading to 20% slope, 5:1: 110.00 ACR, 319,183
  - 09. 01.005.6 Header Pipe Laying: 76,200.00 LF, 4,042,175
  - 09. 01.005.7 8" PVC Leach Pipe Laying: 4,455,900.00 LF, 4,028,175
  - 09. 01.005.8 Planting & Seeding: 102.00 ACR, 1,547,789

  **TOTAL Graded Slope:** 1.00 EA, 11,672,230

- **09. 01.010 Natural Slope**
  - 09. 01.010.1 Fencing for Erosion Control: 18.00 ACR, 33,125
  - 09. 01.010.2 Clearing and Grubbing, debris: 13.00 ACR, 12,329
  - 09. 01.010.3 Header Trenching: 152.00 LF, 260,701
  - 09. 01.010.4 8" PVC Leach Pipe Laying: 75,510.00 LF, 705,304
  - 09. 01.010.5 Planting & Seeding: 18.00 ACR, 266,830

  **TOTAL Natural Slope:** 1.00 EA, 1,044,559

- **09. 01.15 Second Bench**
  - 09. 01.15.1 Fencing for Erosion Control: 124.00 ACR, 86,937

**Labor ID: A520401  Equipment ID: NAT99C  Currency in DOLLARS  Crew ID: NAT01A  Upb ID: UP01EA**
** PROJECT OWNER SUMMARY - Subsystm **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.015. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>93.00 ACR</td>
<td>88,200</td>
<td>9,230</td>
<td>13,061</td>
<td>110,491</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 01.015. 3</td>
<td>Header Trenching</td>
<td>8080.00 LF</td>
<td>143,959</td>
<td>15,066</td>
<td>21,318</td>
<td>180,343</td>
<td>22.32</td>
</tr>
<tr>
<td>09. 01.015. 4</td>
<td>8&quot; PVC Leach Pipe Laying</td>
<td>54566.00 LF</td>
<td>4,679,775</td>
<td>692,991</td>
<td>5,862,519</td>
<td>10.74</td>
<td></td>
</tr>
<tr>
<td>09. 01.015. 5</td>
<td>Planting &amp; Seeding</td>
<td>125.00 ACR</td>
<td>1,897,130</td>
<td>198,541</td>
<td>280,931</td>
<td>2,376,601</td>
<td>19012.81</td>
</tr>
</tbody>
</table>

** TOTAL Second Bench **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.020</td>
<td>First Bench</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 1</td>
<td>Excavate pipe trench, 18&quot; depth</td>
<td>1.00 LF</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1.07</td>
</tr>
<tr>
<td>09. 01.020. 2</td>
<td>Pipe Laying</td>
<td>31000.00 LF</td>
<td>366,624</td>
<td>38,368</td>
<td>54,290</td>
<td>459,283</td>
<td>14.82</td>
</tr>
<tr>
<td>09. 01.020. 3</td>
<td>Backfill pipe trench, compact</td>
<td>31000.00 LF</td>
<td>66,866</td>
<td>6,998</td>
<td>9,902</td>
<td>83,765</td>
<td>2.70</td>
</tr>
<tr>
<td>09. 01.020. 4</td>
<td>Install control valves for sprin</td>
<td>90.00 EA</td>
<td>5,201</td>
<td>544</td>
<td>770</td>
<td>6,516</td>
<td>72.39</td>
</tr>
<tr>
<td>09. 01.020. 5</td>
<td>Install Programmable Logic</td>
<td>1.00 EA</td>
<td>656,648</td>
<td>68,720</td>
<td>97,238</td>
<td>822,605</td>
<td>822605.43</td>
</tr>
<tr>
<td>09. 01.020. 6</td>
<td>Rough grade &amp; scarify subsoil</td>
<td>89.00 ACR</td>
<td>209,033</td>
<td>21,876</td>
<td>30,954</td>
<td>261,863</td>
<td>2942.29</td>
</tr>
<tr>
<td>09. 01.020. 7</td>
<td>Planting &amp; seeding</td>
<td>89.00 ACR</td>
<td>1,610,084</td>
<td>168,500</td>
<td>238,424</td>
<td>2,017,009</td>
<td>22663.02</td>
</tr>
</tbody>
</table>

** TOTAL First Bench **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05</td>
<td>BASINS PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001</td>
<td>Tributary Infiltration Basins</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>18.00 ACR</td>
<td>33,125</td>
<td>3,467</td>
<td>4,905</td>
<td>41,497</td>
<td>2305.39</td>
</tr>
<tr>
<td>09. 05.001. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>13.00 ACR</td>
<td>12,329</td>
<td>1,290</td>
<td>1,826</td>
<td>15,445</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 05.001. 3</td>
<td>Excavate, mach exc., sand &amp; grav</td>
<td>8300.00 CY</td>
<td>269,930</td>
<td>28,249</td>
<td>39,972</td>
<td>338,151</td>
<td>40.74</td>
</tr>
<tr>
<td>09. 05.001. 4</td>
<td>Backfilling</td>
<td>3360.00 CY</td>
<td>81,359</td>
<td>8,514</td>
<td>12,048</td>
<td>101,921</td>
<td>30.33</td>
</tr>
<tr>
<td>09. 05.001. 5</td>
<td>Planting &amp; Seeding</td>
<td>18.00 ACR</td>
<td>159,623</td>
<td>16,705</td>
<td>23,637</td>
<td>199,966</td>
<td>11109.20</td>
</tr>
</tbody>
</table>

** TOTAL Tributary Infiltration Basins **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.005</td>
<td>Grade Control Infiltration Basin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 1</td>
<td>Fencing for Erosion Control</td>
<td>6.00 ACR</td>
<td>19,116</td>
<td>2,001</td>
<td>2,831</td>
<td>23,947</td>
<td>3991.15</td>
</tr>
<tr>
<td>09. 05.005. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>5.00 ACR</td>
<td>4,742</td>
<td>496</td>
<td>702</td>
<td>5,940</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 05.005. 3</td>
<td>Excavating, mach exc, sand &amp; gr</td>
<td>1120.00 CY</td>
<td>269,930</td>
<td>28,249</td>
<td>39,972</td>
<td>338,151</td>
<td>40.74</td>
</tr>
<tr>
<td>09. 05.005. 4</td>
<td>Compaction at dump site, hl rlr</td>
<td>840.00 CY</td>
<td>325</td>
<td>34</td>
<td>48</td>
<td>407</td>
<td>0.48</td>
</tr>
<tr>
<td>09. 05.005. 5</td>
<td>Compact basin subgrade, existing</td>
<td>29040.00 CY</td>
<td>85,170</td>
<td>8,913</td>
<td>12,612</td>
<td>106,695</td>
<td>3.67</td>
</tr>
<tr>
<td>09. 05.005. 6</td>
<td>Backfilling</td>
<td>1160.00 CY</td>
<td>28,092</td>
<td>2,940</td>
<td>4,160</td>
<td>35,192</td>
<td>30.34</td>
</tr>
<tr>
<td>09. 05.005. 7</td>
<td>Planting &amp; Seeding</td>
<td>6.00 ACR</td>
<td>32,169</td>
<td>3,367</td>
<td>4,764</td>
<td>40,299</td>
<td>6716.48</td>
</tr>
</tbody>
</table>

** TOTAL Grade Control Infiltration Basin **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05 BASINS PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001</td>
<td>Tributary Infiltration Basins</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.005</td>
<td>Grade Control Infiltration Basin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** TOTAL BASINS PLANTING **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>LABOR ID: A50401</td>
<td>EQUIP ID: NAT99C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Currency in DOLLARS</td>
<td>CREW ID: NAT01A</td>
<td>UPB ID: UP01EA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### PASEO DE LAS IGLESIAS Feasibility Study Estimate

**PROJECT OWNER SUMMARY - Subsystm**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 10.001. 1 Fencing for Erosion Control</td>
<td>3.50 ACR</td>
<td>14,589</td>
<td>1,527</td>
<td>2,160</td>
<td>18,277</td>
<td>5221.86</td>
</tr>
<tr>
<td>09. 10.001. 2 Clearing and Grubbing, debris</td>
<td>0.90 ACR</td>
<td>854</td>
<td>89</td>
<td>126</td>
<td>1,069</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 10.001. 3 Excavating, prepare slope &amp; Fill, spread dumped mat'l, by</td>
<td>47000.00 CY</td>
<td>92,711</td>
<td>9,702</td>
<td>13,729</td>
<td>116,142</td>
<td>2.47</td>
</tr>
<tr>
<td>09. 10.001. 4</td>
<td></td>
<td>16,197</td>
<td>1,695</td>
<td>2,398</td>
<td>20,290</td>
<td>1.08</td>
</tr>
<tr>
<td>09. 10.001. 5 Soil Cement application,</td>
<td>61100.00 CY</td>
<td>3,129,451</td>
<td>327,507</td>
<td>463,415</td>
<td>3,920,373</td>
<td>64.16</td>
</tr>
<tr>
<td>09. 10.001. 6 Backfill and Compaction</td>
<td>28200.00 CY</td>
<td>71,722</td>
<td>7,506</td>
<td>10,621</td>
<td>89,848</td>
<td>3.19</td>
</tr>
<tr>
<td>TOTAL Hardened Slopes</td>
<td>1.00 EA</td>
<td>3,325,523</td>
<td>348,026</td>
<td>492,450</td>
<td>4,165,999</td>
<td></td>
</tr>
<tr>
<td>TOTAL HARDENED BANKS</td>
<td>1.00 EA</td>
<td>3,325,523</td>
<td>348,026</td>
<td>492,450</td>
<td>4,165,999</td>
<td></td>
</tr>
<tr>
<td>09. 15.001 Irrigation Piping</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15.001. 1 Trenching for Delivery Pipe</td>
<td>3130.00 CY</td>
<td>387,531</td>
<td>40,556</td>
<td>57,386</td>
<td>485,474</td>
<td>155.10</td>
</tr>
<tr>
<td>09. 15.001. 2 Trenching for Main Pipe</td>
<td>21000.00 CY</td>
<td>2,593,353</td>
<td>271,402</td>
<td>384,029</td>
<td>3,248,784</td>
<td>154.70</td>
</tr>
<tr>
<td>09. 15.001. 3 Trenching for Sub-main Pipe</td>
<td>8420.00 CY</td>
<td>689,135</td>
<td>72,120</td>
<td>102,049</td>
<td>863,304</td>
<td>102.53</td>
</tr>
<tr>
<td>09. 15.001. 4 Trenching for Culvert CMP</td>
<td>10500.00 CY</td>
<td>977,621</td>
<td>102,311</td>
<td>144,768</td>
<td>1,224,700</td>
<td>116.64</td>
</tr>
<tr>
<td>TOTAL Irrigation Piping</td>
<td>1.00 EA</td>
<td>4,647,640</td>
<td>486,390</td>
<td>688,232</td>
<td>5,822,262</td>
<td></td>
</tr>
<tr>
<td>TOTAL PIPING</td>
<td>1.00 EA</td>
<td>4,647,640</td>
<td>486,390</td>
<td>688,232</td>
<td>5,822,262</td>
<td></td>
</tr>
<tr>
<td>09. 20.001 Compacted Earth Maintenance Road</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001. 1 Clearing &amp; Grubbing, debris</td>
<td>8.30 ACR</td>
<td>7,872</td>
<td>824</td>
<td>1,166</td>
<td>9,861</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 20.001. 2 Site Preparation</td>
<td>8.30 ACR</td>
<td>16,970</td>
<td>1,776</td>
<td>2,513</td>
<td>21,258</td>
<td>2561.26</td>
</tr>
<tr>
<td>TOTAL Compacted Earth Maintenance Road</td>
<td>8.30 ACR</td>
<td>24,841</td>
<td>2,600</td>
<td>3,679</td>
<td>31,119</td>
<td>3749.33</td>
</tr>
<tr>
<td>09. 20.002 Paved Maintenance Roads</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.002. 1 Clearing &amp; Grubbing, debris</td>
<td>9.00 ACR</td>
<td>8,535</td>
<td>893</td>
<td>1,264</td>
<td>10,693</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 20.002. 2 Site Preparation</td>
<td>18.00 ACR</td>
<td>1,377,339</td>
<td>144,143</td>
<td>203,959</td>
<td>1,725,441</td>
<td>95857.83</td>
</tr>
<tr>
<td>TOTAL Paved Maintenance Roads</td>
<td>18.00 ACR</td>
<td>1,385,874</td>
<td>145,036</td>
<td>205,223</td>
<td>1,736,134</td>
<td>96451.86</td>
</tr>
</tbody>
</table>
** PROJECT OWNER SUMMARY - Subsystm **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 2</td>
<td>Site Preparation</td>
<td>8.20 ACR</td>
<td>192,625</td>
<td>20,159</td>
<td>28,524</td>
<td>241,308</td>
<td>29427.82</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005</td>
<td>Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 1</td>
<td>Fencing for Erosion Control</td>
<td>9.00 ACR</td>
<td>23,418</td>
<td>2,451</td>
<td>3,468</td>
<td>29,336</td>
<td>3259.57</td>
</tr>
<tr>
<td>09. 20.005. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>7.00 ACR</td>
<td>6,639</td>
<td>695</td>
<td>983</td>
<td>8,316</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 20.005. 3</td>
<td>Excavating, structural, sand/</td>
<td>3060.00 CY</td>
<td>13,313</td>
<td>1,393</td>
<td>1,971</td>
<td>16,677</td>
<td>5.45</td>
</tr>
<tr>
<td>09. 20.005. 4</td>
<td>Cast in Place reinforced concret</td>
<td>3060.00 CY</td>
<td>503,669</td>
<td>52,711</td>
<td>74,584</td>
<td>630,964</td>
<td>206.20</td>
</tr>
<tr>
<td>09. 20.005. 5</td>
<td>Finished grading, tie in, stabl.</td>
<td>9.00 ACR</td>
<td>40,177</td>
<td>4,205</td>
<td>5,949</td>
<td>50,331</td>
<td>5592.29</td>
</tr>
<tr>
<td>09. 20.005. 6</td>
<td>Prefab Bridges</td>
<td>9.00 EA</td>
<td>904,390</td>
<td>94,647</td>
<td>133,924</td>
<td>1,132,962</td>
<td>125884.63</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25</td>
<td>LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001</td>
<td>Let Down Structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>2.50 ACR</td>
<td>12,345</td>
<td>1,292</td>
<td>1,828</td>
<td>15,465</td>
<td>6185.90</td>
</tr>
<tr>
<td>09. 25.001. 2</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>1.90 ACR</td>
<td>1,802</td>
<td>189</td>
<td>267</td>
<td>2,257</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 25.001. 3</td>
<td>Prep (excav) slope to receive</td>
<td>500.00 CY</td>
<td>985</td>
<td>103</td>
<td>146</td>
<td>1,234</td>
<td>2.47</td>
</tr>
<tr>
<td>09. 25.001. 4</td>
<td>30&quot; Pipe Laying</td>
<td>1000.00 LF</td>
<td>101,848</td>
<td>10,659</td>
<td>15,082</td>
<td>127,588</td>
<td>127.59</td>
</tr>
<tr>
<td>09. 25.001. 5</td>
<td>Backfilling &amp; Compaction</td>
<td>30000.00 CY</td>
<td>131,706</td>
<td>13,783</td>
<td>19,503</td>
<td>164,993</td>
<td>5.50</td>
</tr>
<tr>
<td>09. 25.001. 6</td>
<td>Planting and Seeding</td>
<td>2.10 ACR</td>
<td>36,697</td>
<td>3,840</td>
<td>5,434</td>
<td>45,972</td>
<td>21891.28</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>RECREATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30</td>
<td>RECREATION FEATURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.001</td>
<td>Parking Areas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>1.80 ACR</td>
<td>10,474</td>
<td>161</td>
<td>1,571</td>
<td>12,206</td>
<td>6781.26</td>
</tr>
<tr>
<td>14. 30.001. 2</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>1.80 ACR</td>
<td>1,802</td>
<td>28</td>
<td>270</td>
<td>2,100</td>
<td>1166.59</td>
</tr>
<tr>
<td>14. 30.001. 3</td>
<td>Site Preparation</td>
<td>1.80 ACR</td>
<td>22,249</td>
<td>342</td>
<td>3,337</td>
<td>25,928</td>
<td>14404.38</td>
</tr>
<tr>
<td>14. 30.001. 4</td>
<td>Asphalt Paving, 6&quot; stone base,</td>
<td>79280.00 SF</td>
<td>169,712</td>
<td>2,606</td>
<td>25,455</td>
<td>197,774</td>
<td>2.49</td>
</tr>
<tr>
<td>14. 30.001. 5</td>
<td>Lines on pavement, parking stall</td>
<td>1.90 ACR</td>
<td>13,133</td>
<td>202</td>
<td>1,970</td>
<td>15,304</td>
<td>125884.63</td>
</tr>
<tr>
<td>14. 30.001. 6</td>
<td>Parking Lot Amenities, lighting,</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** TOTAL**

**Gravel Maintenance Road**

TOTAL 8.20 ACR 196,513 20,566 29,100 246,179 30021.85

**TOTAL ROADS & BRIDGES**

1.00 EA 3,098,834 324,303 458,882 3,882,018 3882018

**TOTAL CONSTRUCTION (RESTORATION)**

1.00 EA 47,203,570 4,940,000 6,990,000 59,133,570 59133570
**PROJECT OWNER SUMMARY - Subsystm**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.005  Decomposed Granite Trails</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.005. 1 Clearing &amp; Grubbing, debris</td>
<td>2.00 ACR</td>
<td>1,897</td>
<td>29</td>
<td>284</td>
<td>2,210</td>
<td>1105.19</td>
</tr>
<tr>
<td>14. 30.005. 2 Site Preparation</td>
<td>2.00 ACR</td>
<td>12,846</td>
<td>197</td>
<td>1,927</td>
<td>14,970</td>
<td>7484.82</td>
</tr>
<tr>
<td>14. 30.005. 3 Decomposed Granite course, 275740.00 SF</td>
<td>160,230</td>
<td>2,460</td>
<td>24,033</td>
<td>186,724</td>
<td>0.68</td>
<td></td>
</tr>
<tr>
<td>14. 30.005. 4 Trail amenities, ADA ramps, sign</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Decomposed Granite Trails</td>
<td>1.00 EA</td>
<td>188,106</td>
<td>2,888</td>
<td>28,214</td>
<td>219,209</td>
<td>219208.56</td>
</tr>
<tr>
<td>14. 30.010 Other Recreation Features</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.010. 1 Paved Trail amenities, curb</td>
<td>1.00 EA</td>
<td>13,133</td>
<td>202</td>
<td>1,970</td>
<td>15,304</td>
<td>15304.44</td>
</tr>
<tr>
<td>14. 30.010. 2 Comfort Stations</td>
<td>3.00 EA</td>
<td>393,989</td>
<td>6,050</td>
<td>59,095</td>
<td>459,133</td>
<td>459133.43</td>
</tr>
<tr>
<td>14. 30.010. 3 Rest Stops</td>
<td>5.00 EA</td>
<td>19,699</td>
<td>302</td>
<td>2,955</td>
<td>22,957</td>
<td>22957.00</td>
</tr>
<tr>
<td>14. 30.010. 4 Concrete Benches</td>
<td>21.00 EA</td>
<td>19,580</td>
<td>301</td>
<td>2,937</td>
<td>22,817</td>
<td>1086.52</td>
</tr>
<tr>
<td>14. 30.010. 5 Signage</td>
<td>21.00 EA</td>
<td>769</td>
<td>12</td>
<td>115</td>
<td>896</td>
<td>42.65</td>
</tr>
<tr>
<td>TOTAL Other Recreation Features</td>
<td>1.00 EA</td>
<td>447,169</td>
<td>6,866</td>
<td>67,072</td>
<td>521,107</td>
<td>521107.93</td>
</tr>
<tr>
<td>TOTAL RECREATION FEATURES</td>
<td>1.00 EA</td>
<td>854,615</td>
<td>13,123</td>
<td>128,185</td>
<td>995,923</td>
<td>995923.43</td>
</tr>
<tr>
<td>TOTAL RECREATION</td>
<td>1.00 EA</td>
<td>854,615</td>
<td>13,123</td>
<td>128,185</td>
<td>995,923</td>
<td>995923.43</td>
</tr>
</tbody>
</table>

30 PLANNING, ENGINEERING, DESIGN

| 30.009 Construction | 1.00 EA | 5,120,000 | 0 | 0 | 5,120,000 | 5120000 |
| 30.014 Recreation | 1.00 EA | 95,285 | 0 | 0 | 95,285 | 95285.00 |
| TOTAL PLANNING, ENGINEERING, DESIGN | 1.00 EA | 5,215,285 | 0 | 0 | 5,215,285 | 5215285 |

31 CONSTRUCTION MANAGEMENT

<p>| 31.009 Construction (Restoration) | 1.00 EA | 5,980,000 | 0 | 0 | 5,980,000 | 5980000 |
| 31.014 Recreation | 1.00 EA | 63,879 | 0 | 0 | 63,879 | 63879.00 |
| TOTAL CONSTRUCTION MANAGEMENT | 1.00 EA | 6,043,879 | 0 | 0 | 6,043,879 | 6043879 |
| TOTAL Paseo de las Iglesias Feas Study | 1.00 EA | 85,517,349 | 4,953,123 | 7,118,185 | 97,588,657 | 97588657 |</p>
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td></td>
</tr>
<tr>
<td>09</td>
<td>CONSTRUCTION (RESTORATION)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01</td>
<td>IRRIGATION PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01. 01</td>
<td>Historic Floodplain</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01. 01. 1</td>
<td>Fencing for Erosion Control</td>
<td>656.00 ACR</td>
<td>199,985</td>
<td>20,929</td>
<td>29,614</td>
<td>250,529</td>
<td>381.90</td>
</tr>
<tr>
<td>09. 01. 01. 2</td>
<td>Clearing &amp; Grubbing, Debris</td>
<td>328.00 ACR</td>
<td>622,138</td>
<td>65,109</td>
<td>92,128</td>
<td>779,375</td>
<td>2376.14</td>
</tr>
<tr>
<td>09. 01. 01. 3</td>
<td>Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01. 01. 3.01</td>
<td>Ripping, discing to prepare</td>
<td>590.00 ACR</td>
<td>9,678</td>
<td>1,013</td>
<td>1,433</td>
<td>12,124</td>
<td>20.55</td>
</tr>
<tr>
<td>09. 01. 01. 3.02</td>
<td>Regrade to req'd slopes, flatten</td>
<td>295.00 ACR</td>
<td>1,867</td>
<td>195</td>
<td>276</td>
<td>2,338</td>
<td>7.93</td>
</tr>
<tr>
<td>09. 01. 01. 3.03</td>
<td>Regrade Surface, scraper-grader</td>
<td>144,550 CY</td>
<td>31,729</td>
<td>3,321</td>
<td>4,699</td>
<td>39,748</td>
<td>0.03</td>
</tr>
<tr>
<td>TOTAL Site Preparation</td>
<td>1.00 EA</td>
<td>43,274</td>
<td>4,529</td>
<td>6,408</td>
<td>54,211</td>
<td>54,210.52</td>
<td></td>
</tr>
<tr>
<td>09. 01. 01. 4</td>
<td>Excavation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01. 01. 5</td>
<td>Compaction (tractor wheel, one)</td>
<td>356,1940 LF</td>
<td>553,508</td>
<td>57,926</td>
<td>81,965</td>
<td>693,399</td>
<td>0.19</td>
</tr>
<tr>
<td>09. 01. 01. 6</td>
<td>Trenching for Water Supply Pipes</td>
<td>170,050 CY</td>
<td>29,450</td>
<td>3,082</td>
<td>4,361</td>
<td>36,892</td>
<td>2.16</td>
</tr>
<tr>
<td>09. 01. 01. 7</td>
<td>Pipe bedding, crushed stone</td>
<td>1,131,100 CY</td>
<td>855,960</td>
<td>89,579</td>
<td>126,752</td>
<td>1,072,291</td>
<td>81.79</td>
</tr>
<tr>
<td>09. 01. 01. 8</td>
<td>Install gated 12&quot; PVC pipe for</td>
<td>11,472,000 LF</td>
<td>1,015,381</td>
<td>106,263</td>
<td>150,360</td>
<td>1,272,004</td>
<td>11.09</td>
</tr>
<tr>
<td>09. 01. 01. 9</td>
<td>Install &quot;U&quot; outlet tubes with</td>
<td>594,000 EA</td>
<td>74,161</td>
<td>7,761</td>
<td>10,982</td>
<td>92,904</td>
<td>15.64</td>
</tr>
<tr>
<td>09. 01. 01. 10</td>
<td>Backfill pipe trench, side cast</td>
<td>4,590,00 CY</td>
<td>2,350</td>
<td>246</td>
<td>348</td>
<td>2,944</td>
<td>0.64</td>
</tr>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>558.00 ACR</td>
<td>8,742,892</td>
<td>914,971</td>
<td>1,294,665</td>
<td>10,952,528</td>
<td>19628.19</td>
<td></td>
</tr>
<tr>
<td>09. 01. 01.11</td>
<td>Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01. 01.11.01</td>
<td>Mulching, hay, 1&quot; deep, power</td>
<td>558.00 ACR</td>
<td>654,934</td>
<td>68,541</td>
<td>96,984</td>
<td>810,459</td>
<td>1470.36</td>
</tr>
<tr>
<td>09. 01. 01.11.02</td>
<td>Crimping, Tilling topsoil,</td>
<td>558.00 ACR</td>
<td>116,548</td>
<td>12,197</td>
<td>17,259</td>
<td>146,004</td>
<td>261.66</td>
</tr>
<tr>
<td>09. 01. 01.11.03</td>
<td>Seeding, athletic fld mix,</td>
<td>623.00 ACR</td>
<td>2,478,847</td>
<td>259,419</td>
<td>367,073</td>
<td>3,105,339</td>
<td>4984.49</td>
</tr>
<tr>
<td>09. 01. 01.11.04</td>
<td>Place Coarse Woody debris/rocks</td>
<td>558.00 ACR</td>
<td>553,345</td>
<td>57,909</td>
<td>81,940</td>
<td>693,195</td>
<td>1242.28</td>
</tr>
<tr>
<td>09. 01. 01.11.05</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>250,729.00 EA</td>
<td>4,939,217</td>
<td>516,904</td>
<td>731,409</td>
<td>6,187,531</td>
<td>24.68</td>
</tr>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>558.00 ACR</td>
<td>8,742,892</td>
<td>914,971</td>
<td>1,294,665</td>
<td>10,952,528</td>
<td>19628.19</td>
<td></td>
</tr>
<tr>
<td>TOTAL Historic Floodplain</td>
<td>1.00 EA</td>
<td>12,387,476</td>
<td>1,317,318</td>
<td>1,883,979</td>
<td>15,768,772</td>
<td>15768772</td>
<td></td>
</tr>
<tr>
<td>09. 01.05</td>
<td>Graded Slope</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.05. 1</td>
<td>Fencing for Erosion Control</td>
<td>102.00 ACR</td>
<td>78,857</td>
<td>8,253</td>
<td>11,677</td>
<td>98,787</td>
<td>968.50</td>
</tr>
<tr>
<td>09. 01.05. 2</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>51.00 ACR</td>
<td>48,147</td>
<td>5,062</td>
<td>7,162</td>
<td>60,392</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 01.05. 3</td>
<td>Excavation, strl, mach excav.</td>
<td>1213,390 CY</td>
<td>842,928</td>
<td>88,221</td>
<td>124,831</td>
<td>1,056,033</td>
<td>0.87</td>
</tr>
<tr>
<td>09. 01.05. 4</td>
<td>Excavation, steep slopes, 5:1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.05. 4.01</td>
<td>Hauling, no loading, 16.5 cy</td>
<td>1213,390 CY</td>
<td>3,533,195</td>
<td>369,760</td>
<td>523,203</td>
<td>4,426,157</td>
<td>3.65</td>
</tr>
<tr>
<td>09. 01.05. 4.02</td>
<td>Fill, spread dumped material,</td>
<td>1213,390 CY</td>
<td>621,162</td>
<td>65,006</td>
<td>91,983</td>
<td>778,151</td>
<td>0.64</td>
</tr>
<tr>
<td>QUANTITY UOM</td>
<td>CONTRACT</td>
<td>ESCALATN</td>
<td>CONTINGN</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td>NOTES</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>------------</td>
<td>-----------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 4.03 Compaction, sheepfoot/wobbly</td>
<td>1213390 CY</td>
<td>468,819</td>
<td>49,063</td>
<td>69,424</td>
<td>587,306</td>
<td>0.48</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 5 Fine grading to 20% slope,</td>
<td>110.00 ACR</td>
<td>319,183</td>
<td>33,403</td>
<td>47,265</td>
<td>399,851</td>
<td>3635.01</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 6 Header Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 6.01 Excavate header trench, 12&quot; dep.</td>
<td>2540.00 CY</td>
<td>1,680</td>
<td>176</td>
<td>249</td>
<td>2,104</td>
<td>0.83</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 6.02 Header Trench bedding, 3/4&quot;</td>
<td>1020.00 CY</td>
<td>30,227</td>
<td>3,163</td>
<td>4,476</td>
<td>37,867</td>
<td>37.12</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 6.03 Install medium diam. PVC Header</td>
<td>7620.00 LF</td>
<td>128,063</td>
<td>13,402</td>
<td>18,964</td>
<td>160,428</td>
<td>21.05</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 6.04 Backfill trench, FE loader,</td>
<td>1020.00 CY</td>
<td>2,200</td>
<td>230</td>
<td>326</td>
<td>2,756</td>
<td>2.70</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 6.05 Hauling, surplus cut mat'l,</td>
<td>1530.00 CY</td>
<td>7,531</td>
<td>788</td>
<td>1,115</td>
<td>9,434</td>
<td>6.17</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7 8&quot; PVC Leach Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7.01 Excavate trench, 12&quot; depth by</td>
<td>99020.00 CY</td>
<td>65,489</td>
<td>6,854</td>
<td>9,698</td>
<td>82,041</td>
<td>0.83</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7.02 Install low perm geotextile in</td>
<td>148700.00 SY</td>
<td>212,160</td>
<td>22,203</td>
<td>31,417</td>
<td>265,780</td>
<td>1.79</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7.03 Install 8&quot; PVC leach pipe for</td>
<td>445590.00 LF</td>
<td>2,556,993</td>
<td>267,597</td>
<td>378,645</td>
<td>3,203,235</td>
<td>7.19</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7.04 Install leach pipe filter &quot;sock&quot;</td>
<td>445590.00 LF</td>
<td>942,158</td>
<td>98,600</td>
<td>139,517</td>
<td>1,180,274</td>
<td>2.65</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7.05 Install pipe fittings as needed</td>
<td>35,459</td>
<td>3,711</td>
<td>5,251</td>
<td>44,421</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7.06 Hauling, surplus cut matl, no</td>
<td>7590.00 CY</td>
<td>28,500</td>
<td>2,983</td>
<td>4,220</td>
<td>35,703</td>
<td>6.17</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 8 Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 8.01 Mulch, hay, 1&quot; deep, power</td>
<td>102.00 ACR</td>
<td>119,719</td>
<td>12,529</td>
<td>17,728</td>
<td>149,976</td>
<td>1470.36</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 8.02 Crimping, tilling topsoil</td>
<td>102.00 ACR</td>
<td>21,304</td>
<td>2,230</td>
<td>3,155</td>
<td>26,689</td>
<td>261.66</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 8.03 Seeding, athletic fld mix,</td>
<td>102.00 ACR</td>
<td>405,845</td>
<td>42,473</td>
<td>60,098</td>
<td>508,416</td>
<td>4984.47</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 8.04 Place Coarse Woody debris/rocks</td>
<td>102.00 ACR</td>
<td>101,149</td>
<td>10,586</td>
<td>14,978</td>
<td>126,713</td>
<td>1242.28</td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 8.05 Plant Mesquite/Shrub mix using</td>
<td>45675.00 EA</td>
<td>899,771</td>
<td>94,164</td>
<td>133,240</td>
<td>1,127,175</td>
<td>24.68</td>
<td></td>
</tr>
<tr>
<td>09. 01.010 Natural Slope</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 1 Fencing for Erosion Control</td>
<td>18.00 ACR</td>
<td>33,125</td>
<td>3,467</td>
<td>4,905</td>
<td>41,497</td>
<td>2305.39</td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 2 Clearing and Grubbing, debris</td>
<td>13.00 ACR</td>
<td>12,329</td>
<td>1,290</td>
<td>1,826</td>
<td>15,445</td>
<td>1188.07</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL Excavation, steep slopes, 5:1: 1213390 CY 4,623,176 483,830 684,609 5,791,615 4.77
TOTAL Header Pipe Laying: 7620.00 LF 169,701 17,760 25,130 212,590 27.90
TOTAL 8" PVC Leach Pipe Laying: 445590.00 LF 4,042,175 423,026 598,573 5,063,774 11.36
TOTAL Graded Slope: 1.00 EA 11,672,230 1,221,535 1,728,447 14,622,212 14622212
TOTAL Planting & Seeding: 1.00 EA 1,547,789 161,981 229,200 1,938,969 19009.50
TOTAL Natural Slope: 1.00 EA 11,672,230 1,221,535 1,728,447 14,622,212 14622212

Currency in DOLLARS

LABOR ID: A50401 EQUIP ID: NAT99C
CREW ID: NAT01A UPB ID: UP01EA
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATION</th>
<th>CONTINGENCY</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.010. 3.02</td>
<td>Header Trench bedding, 3/4&quot;</td>
<td>35.00 CY</td>
<td>1,037</td>
<td>109</td>
<td>154</td>
<td>1,299</td>
<td>37.12</td>
</tr>
<tr>
<td>09. 01.010. 3.03</td>
<td>Install med. diam. PVC Header</td>
<td>1520.00 LF</td>
<td>25,545</td>
<td>2,673</td>
<td>3,783</td>
<td>32,001</td>
<td>21.05</td>
</tr>
<tr>
<td>09. 01.010. 3.04</td>
<td>Backfill trench, FE loader,</td>
<td>35.00 CY</td>
<td>75</td>
<td>8</td>
<td>11</td>
<td>95</td>
<td>2.70</td>
</tr>
<tr>
<td>09. 01.010. 3.05</td>
<td>Hauling, surplus cut matl, no</td>
<td>52.00 CY</td>
<td>256</td>
<td>27</td>
<td>38</td>
<td>321</td>
<td>6.17</td>
</tr>
<tr>
<td><strong>TOTAL Header Trenching</strong></td>
<td></td>
<td>1520.00 LF</td>
<td>26,971</td>
<td>2,823</td>
<td>3,994</td>
<td>33,787</td>
<td>22.23</td>
</tr>
<tr>
<td>09. 01.010. 4</td>
<td>8&quot; PVC Leach Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 4.01</td>
<td>Excavate trench, 12&quot; depth by</td>
<td>16780.00 CY</td>
<td>11,098</td>
<td>1,161</td>
<td>1,643</td>
<td>13,903</td>
<td>0.83</td>
</tr>
<tr>
<td>09. 01.010. 4.02</td>
<td>Install low perm geotextile in</td>
<td>25200.00 SY</td>
<td>35,954</td>
<td>5,763</td>
<td>5,324</td>
<td>45,041</td>
<td>1.79</td>
</tr>
<tr>
<td>09. 01.010. 4.03</td>
<td>Install 8&quot; PVC leach pipe for</td>
<td>75510.00 LF</td>
<td>159,659</td>
<td>16,709</td>
<td>23,643</td>
<td>200,010</td>
<td>2.65</td>
</tr>
<tr>
<td>09. 01.010. 4.04</td>
<td>Install leach pipe filter &quot;sock&quot;</td>
<td>75510.00 LF</td>
<td>159,659</td>
<td>16,709</td>
<td>23,643</td>
<td>200,010</td>
<td>2.65</td>
</tr>
<tr>
<td>09. 01.010. 4.05</td>
<td>Install pipe fittings as needed</td>
<td>26,266</td>
<td>2,749</td>
<td>3,890</td>
<td>32,904</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 4.06</td>
<td>Backfill trench, FE loader, whl</td>
<td>15830.00 CY</td>
<td>34,145</td>
<td>3,573</td>
<td>5,056</td>
<td>42,774</td>
<td>2.70</td>
</tr>
<tr>
<td>09. 01.010. 4.07</td>
<td>Hauling, surplus cut matl, no</td>
<td>990.00 CY</td>
<td>4,873</td>
<td>510</td>
<td>722</td>
<td>6,105</td>
<td>6.17</td>
</tr>
<tr>
<td><strong>TOTAL 8&quot; PVC Leach Pipe Laying</strong></td>
<td></td>
<td>75510.00 LF</td>
<td>705,304</td>
<td>73,812</td>
<td>104,443</td>
<td>883,560</td>
<td>11.70</td>
</tr>
<tr>
<td>09. 01.010. 5</td>
<td>Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 5.01</td>
<td>Mulch, hay, 1&quot; deep, power</td>
<td>18.00 ACR</td>
<td>21,127</td>
<td>2,211</td>
<td>3,129</td>
<td>26,466</td>
<td>1470.36</td>
</tr>
<tr>
<td>09. 01.010. 5.02</td>
<td>Crimping, tilling topsoil</td>
<td>18.00 ACR</td>
<td>3,760</td>
<td>393</td>
<td>557</td>
<td>4,710</td>
<td>261.66</td>
</tr>
<tr>
<td>09. 01.010. 5.03</td>
<td>Seeding, athletic fld mix,</td>
<td>18.00 ACR</td>
<td>71,620</td>
<td>7,495</td>
<td>10,606</td>
<td>89,720</td>
<td>4984.47</td>
</tr>
<tr>
<td>09. 01.010. 5.04</td>
<td>Place Coarse Woody debris/rocks</td>
<td>18.00 ACR</td>
<td>17,850</td>
<td>1,868</td>
<td>2,643</td>
<td>22,361</td>
<td>1242.28</td>
</tr>
<tr>
<td>09. 01.010. 5.05</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>7740.00 EA</td>
<td>152,474</td>
<td>15,957</td>
<td>22,579</td>
<td>191,009</td>
<td>24.68</td>
</tr>
<tr>
<td><strong>TOTAL Planting &amp; Seeding</strong></td>
<td></td>
<td>18.00 ACR</td>
<td>266,830</td>
<td>27,925</td>
<td>39,513</td>
<td>334,267</td>
<td>18570.38</td>
</tr>
<tr>
<td><strong>TOTAL Natural Slope</strong></td>
<td></td>
<td>1.00 EA</td>
<td>1,044,559</td>
<td>109,316</td>
<td>154,680</td>
<td>1,308,556</td>
<td></td>
</tr>
<tr>
<td>09. 01.015</td>
<td>Second Bench</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.015. 1</td>
<td>Fencing for Erosion Control</td>
<td>124.00 ACR</td>
<td>86,937</td>
<td>9,098</td>
<td>12,874</td>
<td>108,909</td>
<td>878.30</td>
</tr>
<tr>
<td>09. 01.015. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>95.00 ACR</td>
<td>88,200</td>
<td>9,230</td>
<td>13,061</td>
<td>110,491</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 01.015. 3</td>
<td>Header Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.015. 3.01</td>
<td>Excavate header trench, 12&quot; dep.</td>
<td>500.00 CY</td>
<td>331</td>
<td>35</td>
<td>49</td>
<td>414</td>
<td>0.83</td>
</tr>
<tr>
<td>09. 01.015. 3.02</td>
<td>Header Trench bedding, 3/4&quot;</td>
<td>200.00 CY</td>
<td>5,927</td>
<td>620</td>
<td>878</td>
<td>7,425</td>
<td>37.12</td>
</tr>
<tr>
<td>09. 01.015. 3.03</td>
<td>Install med. diam. PVC Header</td>
<td>8080.00 LF</td>
<td>135,793</td>
<td>14,211</td>
<td>20,109</td>
<td>170,113</td>
<td>21.05</td>
</tr>
<tr>
<td>09. 01.015. 3.04</td>
<td>Backfill trench, FE loader,</td>
<td>200.00 CY</td>
<td>431</td>
<td>45</td>
<td>64</td>
<td>540</td>
<td>2.70</td>
</tr>
<tr>
<td>09. 01.015. 3.05</td>
<td>Hauling, surplus cut matl, no</td>
<td>300.00 CY</td>
<td>1,477</td>
<td>155</td>
<td>219</td>
<td>1,850</td>
<td>6.17</td>
</tr>
<tr>
<td><strong>TOTAL Header Trenching</strong></td>
<td></td>
<td>8080.00 LF</td>
<td>143,959</td>
<td>15,066</td>
<td>21,318</td>
<td>180,343</td>
<td>22.32</td>
</tr>
<tr>
<td>QUANTITY UOM</td>
<td>CONTRACT</td>
<td>ESCALATN</td>
<td>CONTINGN</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td>NOTES</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>------------</td>
<td>-----------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>09. 01.015. 4.01</td>
<td>Excavate trench, 12&quot; depth by</td>
<td>121260.00 CY</td>
<td>80,198</td>
<td>8,393</td>
<td>11,876</td>
<td>100,467</td>
<td>0.83</td>
</tr>
<tr>
<td>09. 01.015. 4.03</td>
<td>Install 8&quot; PVC leach pipe for</td>
<td>545686.00 LF</td>
<td>3,131,388</td>
<td>327,709</td>
<td>463,702</td>
<td>3,922,800</td>
<td>7.19</td>
</tr>
<tr>
<td>09. 01.015. 4.04</td>
<td>Install leach pipe filter &quot;sock&quot;</td>
<td>545680.00 LF</td>
<td>1,153,789</td>
<td>120,748</td>
<td>170,855</td>
<td>1,445,391</td>
<td>2.65</td>
</tr>
<tr>
<td>09. 01.015. 4.05</td>
<td>Install pipe fittings as needed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.015. 4.06</td>
<td>Backfill trench, FE loader, whl</td>
<td>114360.00 CY</td>
<td>246,669</td>
<td>25,815</td>
<td>36,527</td>
<td>309,012</td>
<td>2.70</td>
</tr>
<tr>
<td>09. 01.015. 4.07</td>
<td>Hauling, surplus cut matl, no</td>
<td>7090.00 CY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL 8&quot; PVC Leach Pipe Laying</td>
<td>545686.00 LF</td>
<td>4,679,775</td>
<td>489,753</td>
<td>692,991</td>
<td>5,862,519</td>
<td>10.74</td>
</tr>
<tr>
<td>09. 01.015. 5</td>
<td>Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.015. 5.01</td>
<td>Mulch, hay, 1&quot; deep, power</td>
<td>125.00 ACR</td>
<td>146,715</td>
<td>15,354</td>
<td>21,726</td>
<td>183,795</td>
<td>1470.36</td>
</tr>
<tr>
<td>09. 01.015. 5.02</td>
<td>Crimping, tillng topsoil</td>
<td>125.00 ACR</td>
<td>26,108</td>
<td>2,732</td>
<td>3,866</td>
<td>32,707</td>
<td>261.66</td>
</tr>
<tr>
<td>09. 01.015. 5.03</td>
<td>Seeding, athletic fld mix,</td>
<td>125.00 ACR</td>
<td>497,359</td>
<td>52,050</td>
<td>73,650</td>
<td>623,059</td>
<td>4984.47</td>
</tr>
<tr>
<td>09. 01.015. 5.04</td>
<td>Place Coarse Woody debris/rocks</td>
<td>125.00 ACR</td>
<td>125,060</td>
<td>13,088</td>
<td>18,519</td>
<td>156,668</td>
<td>1253.34</td>
</tr>
<tr>
<td>09. 01.015. 5.05</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>55935.00 EA</td>
<td>1,101,887</td>
<td>115,316</td>
<td>163,170</td>
<td>1,380,373</td>
<td>24.68</td>
</tr>
<tr>
<td></td>
<td>TOTAL Planting &amp; Seeding</td>
<td>125.00 ACR</td>
<td>1,897,130</td>
<td>198,541</td>
<td>280,931</td>
<td>2,376,601</td>
<td>19012.81</td>
</tr>
<tr>
<td></td>
<td>TOTAL Second Bench</td>
<td>1.00 EA</td>
<td>6,896,001</td>
<td>721,688</td>
<td>1,021,174</td>
<td>8,638,862</td>
<td></td>
</tr>
<tr>
<td>09. 01.020</td>
<td>First Bench</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 1</td>
<td>Excavate pipe trench, 18&quot; depth</td>
<td>1.00 LF</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1.07</td>
</tr>
<tr>
<td></td>
<td>TOTAL Excavate pipe trench, 18&quot; depth</td>
<td>1.00 LF</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1.07</td>
</tr>
<tr>
<td>09. 01.020. 2</td>
<td>Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 2.01</td>
<td>Install small diam pressure pipe</td>
<td>31000.00 LF</td>
<td>153,623</td>
<td>16,077</td>
<td>22,749</td>
<td>192,449</td>
<td>6.21</td>
</tr>
<tr>
<td>09. 01.020. 2.02</td>
<td>Install small diam pipe fittings</td>
<td>3100.00 EA</td>
<td>168,060</td>
<td>17,588</td>
<td>24,887</td>
<td>210,535</td>
<td>67.91</td>
</tr>
<tr>
<td>09. 01.020. 2.03</td>
<td>Install long reach (150') spring</td>
<td>190.00 LF</td>
<td>29,312</td>
<td>3,068</td>
<td>4,341</td>
<td>36,721</td>
<td>193.27</td>
</tr>
<tr>
<td>09. 01.020. 2.04</td>
<td>Install pipe thrust blocks at</td>
<td>238.00 EA</td>
<td>15,628</td>
<td>1,636</td>
<td>2,314</td>
<td>19,578</td>
<td>82.26</td>
</tr>
<tr>
<td></td>
<td>TOTAL Pipe Laying</td>
<td>31000.00 LF</td>
<td>366,624</td>
<td>38,368</td>
<td>54,290</td>
<td>459,283</td>
<td>14.82</td>
</tr>
<tr>
<td>09. 01.020. 3</td>
<td>Backfill pipe trench, compact</td>
<td>31000.00 LF</td>
<td>66,866</td>
<td>6,998</td>
<td>9,902</td>
<td>83,765</td>
<td>2.70</td>
</tr>
<tr>
<td>09. 01.020. 4</td>
<td>Install control valves for spring</td>
<td>90.00 EA</td>
<td>5,201</td>
<td>544</td>
<td>770</td>
<td>6,516</td>
<td>72.39</td>
</tr>
<tr>
<td>09. 01.020. 5</td>
<td>Install Programmable Logic</td>
<td>1.00 EA</td>
<td>656,648</td>
<td>68,720</td>
<td>97,238</td>
<td>822,605</td>
<td>822605.43</td>
</tr>
<tr>
<td>09. 01.020. 6</td>
<td>Rough grade &amp; scarify subsoil</td>
<td>89.00 ACR</td>
<td>209,033</td>
<td>21,876</td>
<td>30,954</td>
<td>261,863</td>
<td>2942.29</td>
</tr>
<tr>
<td>09. 01.020. 7</td>
<td>Planting &amp; seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 7.01</td>
<td>Mulch, hay, 1&quot; deep, power</td>
<td>89.00 ACR</td>
<td>104,461</td>
<td>10,932</td>
<td>15,469</td>
<td>130,862</td>
<td>1470.36</td>
</tr>
<tr>
<td>09. 01.020. 7.02</td>
<td>Crimping, tillng topsoil</td>
<td>89.00 ACR</td>
<td>18,589</td>
<td>1,945</td>
<td>2,753</td>
<td>23,287</td>
<td>261.66</td>
</tr>
<tr>
<td>09. 01.020. 7.03</td>
<td>Seeding, athletic fld mix,</td>
<td>89.00 ACR</td>
<td>354,119</td>
<td>37,060</td>
<td>52,439</td>
<td>443,618</td>
<td>4984.47</td>
</tr>
<tr>
<td>09. 01.020. 7.04</td>
<td>Place Coarse Woody debris/rocks</td>
<td>89.00 ACR</td>
<td>31,027</td>
<td>3,247</td>
<td>4,595</td>
<td>38,869</td>
<td>436.73</td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UOM</td>
<td>CONTRACT</td>
<td>ESCALATN</td>
<td>CONTINGN</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td>NOTES</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
<td>--------------</td>
<td>-----------</td>
<td>----------</td>
<td>------------</td>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 7.05</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>55935.00 EA</td>
<td>1,101,887</td>
<td>115,316</td>
<td>163,170</td>
<td>1,380,373</td>
<td>24.68</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Planting &amp; seeding</td>
<td>89.00 ACR</td>
<td>1,610,084</td>
<td>168,500</td>
<td>238,424</td>
<td>2,017,009</td>
<td>22663.02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL First Bench</td>
<td>1.00 EA</td>
<td>2,914,456</td>
<td>305,007</td>
<td>431,579</td>
<td>3,651,042</td>
<td>3651042</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL IRRIGATION PLANTING</td>
<td>1.00 EA</td>
<td>35,114,721</td>
<td>3,674,864</td>
<td>5,199,859</td>
<td>43,989,444</td>
<td>43989444</td>
<td></td>
</tr>
</tbody>
</table>

09. 05 BASINS PLANTING

09. 05.001 Tributary Infiltration Basins

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>18.00 ACR</td>
<td>33,125</td>
<td>3,467</td>
<td>4,905</td>
<td>41,497</td>
<td>2305.39</td>
</tr>
<tr>
<td>09. 05.001. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>13.00 ACR</td>
<td>12,329</td>
<td>1,290</td>
<td>1,826</td>
<td>15,445</td>
<td>1188.07</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 3</td>
<td>Excavate, mach exc., sand &amp; grav</td>
<td>830.00 CY</td>
<td>1,118</td>
<td>117</td>
<td>165</td>
<td>1,400</td>
<td>1.69</td>
</tr>
<tr>
<td>09. 05.001. 3.01</td>
<td>Stockpile useable cut matl,</td>
<td>840.00 CY</td>
<td>1,103</td>
<td>115</td>
<td>163</td>
<td>1,382</td>
<td>1.65</td>
</tr>
<tr>
<td>09. 05.001. 3.02</td>
<td>Hauling, surplus cut matl, no</td>
<td>2490.00 CY</td>
<td>2,900</td>
<td>303</td>
<td>429</td>
<td>3,633</td>
<td>1.46</td>
</tr>
<tr>
<td>09. 05.001. 3.03</td>
<td>Compaction at dump site, h1 rlr,</td>
<td>2490.00 CY</td>
<td>962</td>
<td>101</td>
<td>142</td>
<td>1,205</td>
<td>0.48</td>
</tr>
<tr>
<td>09. 05.001. 3.05</td>
<td>Compact Basin subgrade, existing</td>
<td>86160.00 SY</td>
<td>252,694</td>
<td>26,445</td>
<td>37,419</td>
<td>316,559</td>
<td>3.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Excavate, mach exc., sand &amp; grav</td>
<td>830.00 CY</td>
<td>269,930</td>
<td>28,249</td>
<td>39,972</td>
<td>338,151</td>
<td>40.74</td>
<td></td>
</tr>
</tbody>
</table>

09. 05.001. 4 Backfilling

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 4.01</td>
<td>Fill, bottom layer, clean sand,</td>
<td>840.00 CY</td>
<td>19,581</td>
<td>2,049</td>
<td>2,900</td>
<td>24,530</td>
<td>29.20</td>
</tr>
<tr>
<td>09. 05.001. 4.02</td>
<td>Fill, middle layer, No. 57 blue-</td>
<td>840.00 CY</td>
<td>27,579</td>
<td>2,886</td>
<td>4,084</td>
<td>34,549</td>
<td>41.13</td>
</tr>
<tr>
<td>09. 05.001. 4.03</td>
<td>Fill, top layer, mix of native</td>
<td>840.00 CY</td>
<td>33,095</td>
<td>3,463</td>
<td>4,901</td>
<td>41,459</td>
<td>49.36</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Backfilling</td>
<td>3360.00 CY</td>
<td>81,359</td>
<td>8,514</td>
<td>12,048</td>
<td>101,921</td>
<td>30.33</td>
<td></td>
</tr>
</tbody>
</table>

09. 05.001. 5 Planting & Seeding

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 5.01</td>
<td>Mulch, hay, 1' deep, power</td>
<td>18.00 ACR</td>
<td>21,127</td>
<td>2,211</td>
<td>3,129</td>
<td>26,466</td>
<td>1470.36</td>
</tr>
<tr>
<td>09. 05.001. 5.02</td>
<td>Crimping, tilling topsoil</td>
<td>18.00 ACR</td>
<td>3,760</td>
<td>393</td>
<td>557</td>
<td>4,710</td>
<td>261.66</td>
</tr>
<tr>
<td>09. 05.001. 5.03</td>
<td>Seeding, athletic fld mix,</td>
<td>18.00 ACR</td>
<td>71,620</td>
<td>7,495</td>
<td>10,606</td>
<td>89,720</td>
<td>4984.47</td>
</tr>
<tr>
<td>09. 05.001. 5.04</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>3204.00 EA</td>
<td>63,117</td>
<td>6,605</td>
<td>9,346</td>
<td>79,069</td>
<td>24.68</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>18.00 ACR</td>
<td>159,623</td>
<td>16,705</td>
<td>23,637</td>
<td>199,966</td>
<td>11109.20</td>
<td></td>
</tr>
</tbody>
</table>

09. 05.005 Grade Control Infiltration Basin
** PROJECT OWNER SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.005. 1 Fencing for Erosion Control</td>
<td>6.00 ACR</td>
<td>19,116</td>
<td>2,001</td>
<td>23,947</td>
<td>3991.15</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 2 Clearing and Grubbing, debris</td>
<td>5.00 ACR</td>
<td>4,742</td>
<td>496</td>
<td>5,238</td>
<td>1188.07</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 3 Excavating, mach exc, sand &amp; gr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 3.01 Stockpile usable cut mat'l</td>
<td>280.00 CY</td>
<td>377</td>
<td>39</td>
<td>472</td>
<td>1.69</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 3.02 Hauling, surplus cut mat'l, no</td>
<td>840.00 CY</td>
<td>4,135</td>
<td>433</td>
<td>5,180</td>
<td>6.17</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 3.03 Fill, spread cut mat'l at dump</td>
<td>840.00 CY</td>
<td>978</td>
<td>102</td>
<td>1,226</td>
<td>1.46</td>
<td></td>
</tr>
<tr>
<td>TOTAL Excavating, mach exc, sand &amp; gr</td>
<td>1120.00 CY</td>
<td>5,490</td>
<td>575</td>
<td>6,877</td>
<td>6.14</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 4 Compaction at dump site, hl rlr</td>
<td>840.00 CY</td>
<td>325</td>
<td>34</td>
<td>407</td>
<td>0.48</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 5 Compact basin subgrade, existing</td>
<td>29040.00 CY</td>
<td>85,170</td>
<td>8,913</td>
<td>106,995</td>
<td>3.67</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 6 Backfilling</td>
<td>1160.00 CY</td>
<td>28,092</td>
<td>2,940</td>
<td>35,192</td>
<td>30.34</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 7 Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 7.01 Mulch, hay, 1&quot; deep, power</td>
<td>6.00 ACR</td>
<td>7,042</td>
<td>737</td>
<td>8,822</td>
<td>1470.36</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 7.02 Crimping, tilling topsoil</td>
<td>6.00 ACR</td>
<td>1,253</td>
<td>131</td>
<td>1,570</td>
<td>261.66</td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 7.03 Seeding, athletic fld mix,</td>
<td>6.00 ACR</td>
<td>23,873</td>
<td>2,498</td>
<td>29,907</td>
<td>4984.47</td>
<td></td>
</tr>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>6.00 ACR</td>
<td>32,169</td>
<td>3,367</td>
<td>40,299</td>
<td>6716.48</td>
<td></td>
</tr>
<tr>
<td>TOTAL Grade Control Infiltration Basin</td>
<td>1.00 EA</td>
<td>175,103</td>
<td>18,325</td>
<td>213,428</td>
<td>219357.35</td>
<td></td>
</tr>
<tr>
<td>TOTAL BASINS PLANTING</td>
<td>1.00 EA</td>
<td>731,469</td>
<td>76,550</td>
<td>807,019</td>
<td>916336.78</td>
<td></td>
</tr>
<tr>
<td>09. 10 HARDENED BANKS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001 Hardened Slopes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 1 Fencing for Erosion Control</td>
<td>3.50 ACR</td>
<td>14,589</td>
<td>1,527</td>
<td>16,116</td>
<td>4598.14</td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 2 Clearing and Grubbing, debris</td>
<td>0.90 ACR</td>
<td>854</td>
<td>89</td>
<td>943</td>
<td>1048.89</td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 3 Excavating, prepare slope &amp;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 3.01 Stockpile subgrade cut matl for</td>
<td>28200.00 CY</td>
<td>37,968</td>
<td>3,973</td>
<td>41,941</td>
<td>1.51</td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 3.02 Hauling, no loading, 16.5 cy</td>
<td>18800.00 CY</td>
<td>54,743</td>
<td>5,729</td>
<td>66,272</td>
<td>3.51</td>
<td></td>
</tr>
<tr>
<td>TOTAL Excavating, prepare slope &amp;</td>
<td>47000.00 CY</td>
<td>92,711</td>
<td>9,702</td>
<td>116,413</td>
<td>2.47</td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 4 Fill, spread dumped mat'l, by</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 4.01 Compaction, sheepfoot/wobbly</td>
<td>18800.00 CY</td>
<td>7,264</td>
<td>760</td>
<td>8,024</td>
<td>0.43</td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 4.02 Fine grade to 1:1 slope, for</td>
<td>14900.00 SY</td>
<td>8,933</td>
<td>935</td>
<td>11,223</td>
<td>0.75</td>
<td></td>
</tr>
<tr>
<td>TOTAL Fill, spread dumped mat'l, by</td>
<td>18800.00 CY</td>
<td>16,197</td>
<td>1,695</td>
<td>20,192</td>
<td>1.08</td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 5 Soil Cement application,</td>
<td>61100.00 CY</td>
<td>3,129,451</td>
<td>327,507</td>
<td>3,456,958</td>
<td>56.41</td>
<td></td>
</tr>
</tbody>
</table>

LATER ID: AZ0401 EQUIP ID: NAT99C

Currency in DOLLARS

CREW ID: NAT01A UPB ID: UP01EA
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 10.001. 6</td>
<td>Backfill and Compaction</td>
<td>28200.00 CY</td>
<td>60,826</td>
<td>6,366</td>
<td>9,007</td>
<td>76,199</td>
<td>2.70</td>
</tr>
<tr>
<td>09. 10.001. 6.01</td>
<td>Backfill subgrade with cut matl</td>
<td>28200.00 CY</td>
<td>10,896</td>
<td>1,140</td>
<td>1,613</td>
<td>13,649</td>
<td>0.48</td>
</tr>
</tbody>
</table>

**TOTAL Backfill and Compaction**

<table>
<thead>
<tr>
<th>CONTRACT</th>
<th>UOM</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 10.001. 6</td>
<td>Backfill and Compaction</td>
<td>28200.00 CY</td>
<td>71,722</td>
<td>7,506</td>
<td>10,621</td>
<td>89,848</td>
</tr>
</tbody>
</table>

**TOTAL Hardened Slopes**

<table>
<thead>
<tr>
<th>CONTRACT</th>
<th>UOM</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 1</td>
<td>Backfill and Compaction</td>
<td>1260.00 CY</td>
<td>82,266</td>
<td>8,609</td>
<td>12,182</td>
<td>103,058</td>
</tr>
</tbody>
</table>

**TOTAL Trenching for Delivery Pipe**

<table>
<thead>
<tr>
<th>CONTRACT</th>
<th>UOM</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 2</td>
<td>Trenching for Main Pipe</td>
<td>8400.00 CY</td>
<td>548,441</td>
<td>57,396</td>
<td>81,214</td>
<td>687,051</td>
</tr>
</tbody>
</table>

**TOTAL Trenching for Delivery Pipe**

<table>
<thead>
<tr>
<th>CONTRACT</th>
<th>UOM</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 3</td>
<td>Trenching for Sub-main Pipe</td>
<td>3370.00 CY</td>
<td>220,029</td>
<td>23,027</td>
<td>32,582</td>
<td>275,638</td>
</tr>
</tbody>
</table>

**TOTAL Trenching for Main Pipe**

<table>
<thead>
<tr>
<th>CONTRACT</th>
<th>UOM</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 4</td>
<td>Trenching for Culvert CMP</td>
<td>4200.00 CY</td>
<td>274,221</td>
<td>28,698</td>
<td>40,607</td>
<td>343,526</td>
</tr>
</tbody>
</table>

**TOTAL Trenching for Sub-main Pipe**

<table>
<thead>
<tr>
<th>CONTRACT</th>
<th>UOM</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 5</td>
<td>Installation of Culvert CMP for 24&quot; dia. pipe</td>
<td>23600.00 LF</td>
<td>590,245</td>
<td>61,771</td>
<td>87,405</td>
<td>739,421</td>
</tr>
<tr>
<td>09. 15.001. 5</td>
<td>Backfill trench, FE Loader for Culvert CMP</td>
<td>4200.00 CY</td>
<td>94,811</td>
<td>9,922</td>
<td>14,040</td>
<td>113,773</td>
</tr>
<tr>
<td>QUANTITY UOM</td>
<td>CONTRACT</td>
<td>ESCALATN</td>
<td>CONTINGN</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td>NOTES</td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>------------</td>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>09. 15.001. 4.04 Hauling, Sub-main pipe surplus</td>
<td>6300.00 CY</td>
<td>18,345</td>
<td>1,920</td>
<td>2,717</td>
<td>22,981</td>
<td>3.65</td>
</tr>
</tbody>
</table>

**TOTAL Trenching for Culvert CMP**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 4.04 Hauling, Sub-main pipe surplus</td>
<td>6300.00 CY</td>
<td>18,345</td>
<td>1,920</td>
<td>2,717</td>
<td>22,981</td>
<td>3.65</td>
</tr>
</tbody>
</table>

**TOTAL Irrigation Piping**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 4.04 Hauling, Sub-main pipe surplus</td>
<td>6300.00 CY</td>
<td>18,345</td>
<td>1,920</td>
<td>2,717</td>
<td>22,981</td>
<td>3.65</td>
</tr>
</tbody>
</table>

**TOTAL PIPING**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 4.04 Hauling, Sub-main pipe surplus</td>
<td>6300.00 CY</td>
<td>18,345</td>
<td>1,920</td>
<td>2,717</td>
<td>22,981</td>
<td>3.65</td>
</tr>
</tbody>
</table>

**09. 20 ROADS & BRIDGES**

**09. 20.001 Compacted Earth Maintenance Road**

**09. 20.001. 1 Clearing & Grubbing, debris**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.001. 1 Clearing &amp; Grubbing, debris</td>
<td>8.30 ACR</td>
<td>7,872</td>
<td>824</td>
<td>1,166</td>
<td>9,861</td>
<td>1188.07</td>
</tr>
</tbody>
</table>

**TOTAL Clearing & Grubbing, debris**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.001. 1 Clearing &amp; Grubbing, debris</td>
<td>8.30 ACR</td>
<td>7,872</td>
<td>824</td>
<td>1,166</td>
<td>9,861</td>
<td>1188.07</td>
</tr>
</tbody>
</table>

**09. 20.001. 2 Site Preparation**

**09. 20.001. 2.01 Ripping, discing to prepare**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.001. 2.01 Ripping, discing to prepare</td>
<td>8.30 ACR</td>
<td>136</td>
<td>14</td>
<td>20</td>
<td>171</td>
<td>20.55</td>
</tr>
</tbody>
</table>

**TOTAL Site Preparation**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.001. 2.01 Ripping, discing to prepare</td>
<td>8.30 ACR</td>
<td>136</td>
<td>14</td>
<td>20</td>
<td>171</td>
<td>20.55</td>
</tr>
</tbody>
</table>

**TOTAL Compacted Earth Maintenance Road**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.001. 1 Clearing &amp; Grubbing, debris</td>
<td>8.30 ACR</td>
<td>7,872</td>
<td>824</td>
<td>1,166</td>
<td>9,861</td>
<td>1188.07</td>
</tr>
</tbody>
</table>

**TOTAL Paved Maintenance Roads**

**09. 20.002 Paved Maintenance Roads**

**09. 20.002. 1 Clearing & Grubbing, debris**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.002. 1 Clearing &amp; Grubbing, debris</td>
<td>9.00 ACR</td>
<td>8,535</td>
<td>893</td>
<td>1,264</td>
<td>10,693</td>
<td>1188.07</td>
</tr>
</tbody>
</table>

**TOTAL Clearing & Grubbing, debris**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.002. 1 Clearing &amp; Grubbing, debris</td>
<td>9.00 ACR</td>
<td>8,535</td>
<td>893</td>
<td>1,264</td>
<td>10,693</td>
<td>1188.07</td>
</tr>
</tbody>
</table>

**09. 20.002. 2 Site Preparation**

**09. 20.002. 2.01 Ripping, discing to prepare**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.002. 2.01 Ripping, discing to prepare</td>
<td>18.00 ACR</td>
<td>295</td>
<td>31</td>
<td>44</td>
<td>370</td>
<td>20.55</td>
</tr>
</tbody>
</table>

**TOTAL Site Preparation**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.002. 2.01 Ripping, discing to prepare</td>
<td>18.00 ACR</td>
<td>295</td>
<td>31</td>
<td>44</td>
<td>370</td>
<td>20.55</td>
</tr>
</tbody>
</table>

**TOTAL Paved Maintenance Roads**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.002. 2.01 Ripping, discing to prepare</td>
<td>18.00 ACR</td>
<td>295</td>
<td>31</td>
<td>44</td>
<td>370</td>
<td>20.55</td>
</tr>
</tbody>
</table>
### PASEO DE LAS IGLESIAS Feasibility Study Estimate

**PROJECT OWNER SUMMARY - Assm Cat**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.003. 1</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>4.10 ACR</td>
<td>3,888</td>
<td>407</td>
<td>576</td>
<td>4,871</td>
<td>1188.07</td>
</tr>
<tr>
<td>TOTAL Clearing &amp; Grubbing, debris</td>
<td></td>
<td>4.10 ACR</td>
<td>3,888</td>
<td>407</td>
<td>576</td>
<td>4,871</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 20.003. 2</td>
<td>Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 2.01</td>
<td>Ripping, discing to prepare</td>
<td>8.20 ACR</td>
<td>135</td>
<td>14</td>
<td>20</td>
<td>168</td>
<td>20.55</td>
</tr>
<tr>
<td>09. 20.003. 2.02</td>
<td>Regrade, flatten, balance cut</td>
<td>1980.00 CY</td>
<td>1,253</td>
<td>131</td>
<td>186</td>
<td>1,569</td>
<td>0.79</td>
</tr>
<tr>
<td>09. 20.003. 2.03</td>
<td>Compaction, riding, sheepfoot/</td>
<td>39530.00 SY</td>
<td>175,964</td>
<td>18,415</td>
<td>26,057</td>
<td>220,437</td>
<td>5.58</td>
</tr>
<tr>
<td>09. 20.003. 2.04</td>
<td>Gravel course, crushed 3/4&quot;</td>
<td>39530.00 SY</td>
<td>15,273</td>
<td>1,598</td>
<td>2,262</td>
<td>19,133</td>
<td>0.48</td>
</tr>
<tr>
<td>TOTAL Site Preparation</td>
<td></td>
<td>8.20 ACR</td>
<td>192,625</td>
<td>20,159</td>
<td>28,524</td>
<td>241,308</td>
<td>29427.82</td>
</tr>
<tr>
<td>TOTAL Gravel Maintenance Road</td>
<td></td>
<td>8.20 ACR</td>
<td>196,513</td>
<td>20,566</td>
<td>29,100</td>
<td>246,179</td>
<td>30021.85</td>
</tr>
<tr>
<td>09. 20.005</td>
<td>Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 1</td>
<td>Fencing for Erosion Control</td>
<td>9.00 ACR</td>
<td>23,418</td>
<td>2,451</td>
<td>3,468</td>
<td>29,336</td>
<td>3259.57</td>
</tr>
<tr>
<td>09. 20.005. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>7.00 ACR</td>
<td>6,639</td>
<td>695</td>
<td>983</td>
<td>8,316</td>
<td>1188.07</td>
</tr>
<tr>
<td>09. 20.005. 3</td>
<td>Excavating, structural, sand/</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 3.01</td>
<td>Hauling, no loading, 16.5 cy</td>
<td>3366.00 CY</td>
<td>9,801</td>
<td>1,026</td>
<td>1,451</td>
<td>12,278</td>
<td>3.65</td>
</tr>
<tr>
<td>09. 20.005. 3.02</td>
<td>Fill, spread dumped matl, by</td>
<td>3366.00 CY</td>
<td>2,329</td>
<td>244</td>
<td>345</td>
<td>2,918</td>
<td>0.87</td>
</tr>
<tr>
<td>09. 20.005. 3.03</td>
<td>Compaction, sheepfoot/wobbly</td>
<td>3060.00 CY</td>
<td>1,182</td>
<td>124</td>
<td>175</td>
<td>1,481</td>
<td>0.48</td>
</tr>
<tr>
<td>TOTAL Excavating, structural, sand/</td>
<td></td>
<td>3060.00 CY</td>
<td>13,313</td>
<td>1,393</td>
<td>1,971</td>
<td>16,677</td>
<td>5.45</td>
</tr>
<tr>
<td>09. 20.005. 4</td>
<td>Cast in Place reinforced concret</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 5</td>
<td>Finished grading, tie in, stabl.</td>
<td>9.00 ACR</td>
<td>40,177</td>
<td>4,205</td>
<td>5,949</td>
<td>50,331</td>
<td>5592.29</td>
</tr>
<tr>
<td>09. 20.005. 6</td>
<td>Prefab Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 6.01</td>
<td>Prefab Bridges (9 ea)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 6.02</td>
<td>Unloading and Erection</td>
<td>8090.00 SF</td>
<td>113,013</td>
<td>11,827</td>
<td>16,735</td>
<td>141,576</td>
<td>17.50</td>
</tr>
<tr>
<td>TOTAL Prefab Bridges</td>
<td></td>
<td>9.00 EA</td>
<td>904,390</td>
<td>94,647</td>
<td>133,924</td>
<td>1,132,962</td>
<td>125884.63</td>
</tr>
<tr>
<td>TOTAL Bridges</td>
<td></td>
<td>1.00 EA</td>
<td>1,491,605</td>
<td>156,101</td>
<td>220,880</td>
<td>1,868,586</td>
<td>1868586</td>
</tr>
<tr>
<td>TOTAL ROADS &amp; BRIDGES</td>
<td></td>
<td>1.00 EA</td>
<td>3,098,834</td>
<td>324,303</td>
<td>458,882</td>
<td>3,882,018</td>
<td>3882018</td>
</tr>
<tr>
<td>09. 25</td>
<td>LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001</td>
<td>Let Down Structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>2.50 ACR</td>
<td>12,345</td>
<td>1,292</td>
<td>1,828</td>
<td>15,465</td>
<td>6185.90</td>
</tr>
<tr>
<td>09. 25.001. 2</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>1.90 ACR</td>
<td>1,802</td>
<td>189</td>
<td>267</td>
<td>2,257</td>
<td>1188.07</td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UOM</td>
<td>CONTRACT</td>
<td>ESCALATION</td>
<td>CONTINGENCY</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td>NOTES</td>
</tr>
<tr>
<td>----------</td>
<td>-----</td>
<td>----------</td>
<td>------------</td>
<td>-------------</td>
<td>------------</td>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>09. 25.001.3</td>
<td>Prep (excav) slope to receive</td>
<td>500.00 CY</td>
<td>985</td>
<td>103</td>
<td>146</td>
<td>1,234</td>
<td>2.47</td>
</tr>
<tr>
<td>09. 25.001.4</td>
<td>30&quot; Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001.4.01</td>
<td>Install pipe bedding, gravel,</td>
<td>150.00 CY</td>
<td>9,794</td>
<td>1,025</td>
<td>1,450</td>
<td>12,269</td>
<td>81.79</td>
</tr>
<tr>
<td>09. 25.001.4.02</td>
<td>Install 30&quot; dia CMP, 200 lf per</td>
<td>1000.00 LF</td>
<td>52,655</td>
<td>5,511</td>
<td>7,797</td>
<td>65,963</td>
<td>65.96</td>
</tr>
<tr>
<td>09. 25.001.4.03</td>
<td>Install wingwall deflectors on</td>
<td>10.00 EA</td>
<td>39,399</td>
<td>4,123</td>
<td>5,834</td>
<td>49,356</td>
<td>4935.63</td>
</tr>
<tr>
<td>TOTAL 30&quot; Pipe Laying</td>
<td>1000.00 LF</td>
<td>101,848</td>
<td>10,659</td>
<td>15,082</td>
<td>127,588</td>
<td>127.59</td>
<td></td>
</tr>
<tr>
<td>09. 25.001.5</td>
<td>Backfilling &amp; Compaction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001.5.01</td>
<td>Hauling, no loading, 16.5 cy</td>
<td>30000.00 CY</td>
<td>87,355</td>
<td>9,142</td>
<td>12,936</td>
<td>109,433</td>
<td>3.65</td>
</tr>
<tr>
<td>09. 25.001.5.02</td>
<td>Fill, spread dumped matl, by</td>
<td>30000.00 CY</td>
<td>25,609</td>
<td>2,680</td>
<td>3,792</td>
<td>32,082</td>
<td>1.07</td>
</tr>
<tr>
<td>09. 25.001.5.03</td>
<td>Compaction, sheepfoot/wobbly</td>
<td>30000.00 CY</td>
<td>11,591</td>
<td>1,213</td>
<td>1,716</td>
<td>14,521</td>
<td>0.48</td>
</tr>
<tr>
<td>09. 25.001.5.04</td>
<td>Fine grade filled area, for</td>
<td>2.50 ACR</td>
<td>7,151</td>
<td>748</td>
<td>1,059</td>
<td>8,958</td>
<td>3583.27</td>
</tr>
<tr>
<td>TOTAL Backfilling &amp; Compaction</td>
<td>30000.00 CY</td>
<td>131,706</td>
<td>13,783</td>
<td>19,503</td>
<td>164,993</td>
<td>5.50</td>
<td></td>
</tr>
<tr>
<td>09. 25.001.6</td>
<td>Planting and Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001.6.01</td>
<td>Mulching, hay, 1&quot; deep, power</td>
<td>2.10 ACR</td>
<td>2,465</td>
<td>258</td>
<td>365</td>
<td>3,088</td>
<td>1470.36</td>
</tr>
<tr>
<td>09. 25.001.6.02</td>
<td>Crimping, tilling topsoil</td>
<td>2.10 ACR</td>
<td>1,439</td>
<td>46</td>
<td>65</td>
<td>549</td>
<td>261.66</td>
</tr>
<tr>
<td>09. 25.001.6.03</td>
<td>Seeding, athletic fld mix,</td>
<td>2.40 ACR</td>
<td>9,549</td>
<td>999</td>
<td>1,414</td>
<td>11,963</td>
<td>4984.47</td>
</tr>
<tr>
<td>09. 25.001.6.04</td>
<td>Place Coarse Woody debris/rocks</td>
<td>2.10 ACR</td>
<td>2,082</td>
<td>218</td>
<td>308</td>
<td>2,609</td>
<td>1242.28</td>
</tr>
<tr>
<td>09. 25.001.6.05</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>1125.00 EA</td>
<td>22,162</td>
<td>2,319</td>
<td>3,282</td>
<td>27,763</td>
<td>24.68</td>
</tr>
<tr>
<td>TOTAL Planting and Seeding</td>
<td>2.10 ACR</td>
<td>36,697</td>
<td>3,840</td>
<td>5,434</td>
<td>45,972</td>
<td>21893.28</td>
<td></td>
</tr>
<tr>
<td>TOTAL Let Down Structures</td>
<td>1.00 EA</td>
<td>285,383</td>
<td>29,866</td>
<td>42,260</td>
<td>357,509</td>
<td>357509.28</td>
<td></td>
</tr>
<tr>
<td>TOTAL LET DOWN STRUCTURES</td>
<td>1.00 EA</td>
<td>285,383</td>
<td>29,866</td>
<td>42,260</td>
<td>357,509</td>
<td>357509.28</td>
<td></td>
</tr>
<tr>
<td>TOTAL CONSTRUCTION (RESTORATION)</td>
<td>1.00 EA</td>
<td>47,203,570</td>
<td>4,940,000</td>
<td>6,990,000</td>
<td>59,133,570</td>
<td>59133570</td>
<td></td>
</tr>
</tbody>
</table>

14 RECREATION
14. 30 RECREATION FEATURES
14. 30.001 Parking Areas
14. 30.001.1 Fencing for Erosion Control | 1.80 ACR | 10,474 | 161 | 1,571 | 12,206 | 6781.26 |
14. 30.001.2 Clearing & Grubbing, debris | 1.80 ACR | 1,802 | 28 | 270 | 2,100 | 1166.59 |
14. 30.001.3 Site Preparation
14. 30.001.3.01 Ripping, discing to prepare | 1.80 ACR | 30 | 0 | 4 | 34 | 19.12 |
14. 30.001.3.02 Regrade to req'd slopes, flatten | 1.80 ACR | 11 | 0 | 2 | 13 | 7.37 |
** PROJECT OWNER SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.001. 3.03</td>
<td>Regrade surface, scraper-grader,</td>
<td>4410.00 CY</td>
<td>12,590</td>
<td>193</td>
<td>1,888</td>
<td>14,672</td>
<td>3.33</td>
</tr>
<tr>
<td>14. 30.001. 3.04</td>
<td>Compaction, riding, sheepfoot</td>
<td>8810.00 SY</td>
<td>3,404</td>
<td>52</td>
<td>511</td>
<td>3,967</td>
<td>0.45</td>
</tr>
<tr>
<td>14. 30.001. 3.05</td>
<td>Fine grade, grade subgrade for</td>
<td>8810.00 SY</td>
<td>6,214</td>
<td>95</td>
<td>932</td>
<td>7,241</td>
<td>0.82</td>
</tr>
</tbody>
</table>

** TOTAL Site Preparation **

| 1.80 ACR | 219,341 | 3,368 | 32,899 | 255,608 | 142004.41 |

14. 30.005  Decomposed Granite Trails

| 14. 30.005. 1 | Clearing & Grubbing, debris | 2.00 ACR | 1,897 | 29 | 284 | 2,210 | 1105.19 |
| 14. 30.005. 3 | Decomposed Granite course, | 3830.00 TON | 150,898 | 2,317 | 22,633 | 175,848 | 45.91 |

** TOTAL Decomp Granite Trails **

| 1.00 EA | 188,106 | 2,888 | 28,214 | 219,209 | 219208.56 |

14. 30.0010 Other Recreation Features

| 14. 30.010. 1 | Paved Trail amenities, curb | 1.00 EA | 13,133 | 202 | 1,970 | 15,304 | 15304.44 |
| 14. 30.010. 4 | Concrete Benches | 21.00 EA | 19,580 | 301 | 2,937 | 22,817 | 1086.52 |

** TOTAL Other Recreation Features **

| 1.00 EA | 447,169 | 6,866 | 67,072 | 521,107 | 521106.93 |
### Summary Page 21

**PROJECT OWNER SUMMARY - Assm Cat**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL RECREATION FEATURES</td>
<td>1.00 EA</td>
<td>854,615</td>
<td>13,123</td>
<td>128,185</td>
<td>995,923</td>
<td>995923.43</td>
</tr>
<tr>
<td>TOTAL RECREATION</td>
<td>1.00 EA</td>
<td>854,615</td>
<td>13,123</td>
<td>128,185</td>
<td>995,923</td>
<td>995923.43</td>
</tr>
</tbody>
</table>

#### 30 PLANNING, ENGINEERING, DESIGN

<table>
<thead>
<tr>
<th>Activity</th>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.009 Construction</td>
<td>1.00 EA</td>
<td>5,120,000</td>
<td>0</td>
<td>0</td>
<td>5,120,000</td>
<td>5120000</td>
<td></td>
</tr>
<tr>
<td>30.014 Recreation</td>
<td>1.00 EA</td>
<td>95,285</td>
<td>0</td>
<td>0</td>
<td>95,285</td>
<td>95285.00</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL PLANNING, ENGINEERING, DESIGN</strong></td>
<td>1.00 EA</td>
<td>5,215,285</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5215285</td>
<td></td>
</tr>
</tbody>
</table>

#### 31 CONSTRUCTION MANAGEMENT

<table>
<thead>
<tr>
<th>Activity</th>
<th>QUANTITY UOM</th>
<th>CONTRACT</th>
<th>ESCALATN</th>
<th>CONTINGN</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.009 Construction (Restoration)</td>
<td>1.00 EA</td>
<td>5,980,000</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
<td>5980000</td>
<td></td>
</tr>
<tr>
<td>31.014 Recreation</td>
<td>1.00 EA</td>
<td>63,879</td>
<td>0</td>
<td>0</td>
<td>63,879</td>
<td>63879.00</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CONSTRUCTION MANAGEMENT</strong></td>
<td>1.00 EA</td>
<td>6,043,879</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td>6043879</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Paseo de las Iglesias Feas Study** | 1.00 EA | 85,517,349 | 4,953,123 | 7,118,185 | 97,588,657 | 97588657 | |

**Labor ID:** A50401  **Equipment ID:** NAT99C  **Currency in DOLLARS**  **Crew ID:** NAT01A  **UPB ID:** UP01EA
**PROJECT INDIRECT SUMMARY - Scope**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26200000</td>
</tr>
<tr>
<td>09 CONSTRUCTION (RESTORATION)</td>
<td>1.00 EA</td>
<td>35,942,852</td>
<td>3,594,285</td>
<td>3,162,971</td>
<td>4,270,011</td>
<td>233,451</td>
<td>47,203,570</td>
<td>47203570</td>
</tr>
<tr>
<td>14 RECREATION</td>
<td>1.00 EA</td>
<td>650,741</td>
<td>65,074</td>
<td>57,265</td>
<td>77,308</td>
<td>4,227</td>
<td>854,615</td>
<td>854615.43</td>
</tr>
<tr>
<td>30 PLANNING, ENGINEERING, DESIGN</td>
<td>1.00 EA</td>
<td>5,215,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5215285</td>
</tr>
<tr>
<td>31 CONSTRUCTION MANAGEMENT</td>
<td>1.00 EA</td>
<td>6,043,879</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td>6043879</td>
</tr>
<tr>
<td><strong>TOTAL Paseo de las Iglesias Feas Study</strong></td>
<td>1.00 EA</td>
<td>74,052,757</td>
<td>3,659,359</td>
<td>3,220,236</td>
<td>4,347,319</td>
<td>237,678</td>
<td>85,517,349</td>
<td>85517349</td>
</tr>
</tbody>
</table>

**ESCALATION**

| **SUBTOTAL** | 4,953,123 |
| **CONTINGENCY** | 90,470,472 |
| **TOTAL INCL OWNER COSTS** | 97,588,595 |
** PROJECT INDIRECT SUMMARY - Facility **

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
</tr>
<tr>
<td>09 CONSTRUCTION (RESTORATION)</td>
<td>09. 01 IRRIGATION PLANTING</td>
<td>1.00 EA</td>
<td>26,737,876</td>
<td>2,673,788</td>
<td>2,352,933</td>
<td>3,176,460</td>
<td>173,664</td>
</tr>
<tr>
<td></td>
<td>09. 05 BASINS PLANTING</td>
<td>1.00 EA</td>
<td>556,972</td>
<td>55,697</td>
<td>49,014</td>
<td>66,168</td>
<td>3,618</td>
</tr>
<tr>
<td></td>
<td>09. 10 HARDENED BANKS</td>
<td>1.00 EA</td>
<td>2,532,198</td>
<td>253,220</td>
<td>222,833</td>
<td>300,825</td>
<td>16,447</td>
</tr>
<tr>
<td></td>
<td>09. 15 PIPING</td>
<td>1.00 EA</td>
<td>3,583,916</td>
<td>353,892</td>
<td>311,425</td>
<td>420,423</td>
<td>22,986</td>
</tr>
<tr>
<td></td>
<td>09. 20 ROADS &amp; BRIDGES</td>
<td>1.00 EA</td>
<td>2,395,587</td>
<td>235,959</td>
<td>207,644</td>
<td>280,319</td>
<td>15,326</td>
</tr>
<tr>
<td></td>
<td>09. 25 LET DOWN STRUCTURES</td>
<td>1.00 EA</td>
<td>217,303</td>
<td>21,730</td>
<td>19,123</td>
<td>25,816</td>
<td>1,411</td>
</tr>
<tr>
<td></td>
<td>TOTAL CONSTRUCTION (RESTORATION)</td>
<td>1.00 EA</td>
<td>35,942,852</td>
<td>3,594,285</td>
<td>3,162,971</td>
<td>4,270,011</td>
<td>233,451</td>
</tr>
<tr>
<td></td>
<td>14 RECREATION</td>
<td>14. 30 RECREATION FEATURES</td>
<td>1.00 EA</td>
<td>650,741</td>
<td>65,074</td>
<td>57,265</td>
<td>77,308</td>
</tr>
<tr>
<td></td>
<td>TOTAL RECREATION</td>
<td>1.00 EA</td>
<td>650,741</td>
<td>65,074</td>
<td>57,265</td>
<td>77,308</td>
<td>4,227</td>
</tr>
<tr>
<td></td>
<td>30 PLANNING, ENGINEERING, DESIGN</td>
<td>30.009 Construction</td>
<td>1.00 EA</td>
<td>5,120,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>30.014 Recreation</td>
<td>1.00 EA</td>
<td>95,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>TOTAL PLANNING, ENGINEERING, DESIGN</td>
<td>1.00 EA</td>
<td>5,215,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>31 CONSTRUCTION MANAGEMENT</td>
<td>31.009 Construction (Restoration)</td>
<td>1.00 EA</td>
<td>5,980,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>31.014 Recreation</td>
<td>1.00 EA</td>
<td>63,879</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>TOTAL CONSTRUCTION MANAGEMENT</td>
<td>1.00 EA</td>
<td>6,043,879</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>TOTAL Paseo de las Iglesias Feas Study</td>
<td>1.00 EA</td>
<td>74,052,757</td>
<td>3,659,359</td>
<td>3,210,236</td>
<td>4,347,319</td>
<td>237,678</td>
</tr>
<tr>
<td></td>
<td>ESCALATION</td>
<td>4,953,123</td>
<td>90,470,422</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBTOTAL</td>
<td>97,415,105</td>
<td>7,118,185</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONTINGENCY</td>
<td>97,588,657</td>
<td>97,588,657</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LABOR ID: A50401    EQUIP ID: NAT99C

Currency in DOLLARS

CREW ID: NAT01A    UPB ID: UP01EA
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26200000</td>
</tr>
</tbody>
</table>

## Construction (Restoration)

### 09 Irrigation Planting

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>9,584,651</td>
<td>958,465</td>
<td>843,449</td>
<td>1,138,657</td>
<td>62,253</td>
<td>12,587,475</td>
<td>12587475</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>8,887,743</td>
<td>888,774</td>
<td>782,121</td>
<td>1,055,864</td>
<td>57,727</td>
<td>11,672,230</td>
<td>11672230</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>795,373</td>
<td>79,537</td>
<td>69,993</td>
<td>94,490</td>
<td>5,166</td>
<td>1,044,559</td>
<td>1044559</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>5,250,915</td>
<td>525,091</td>
<td>462,081</td>
<td>623,809</td>
<td>34,105</td>
<td>6,896,001</td>
<td>6896001</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>2,219,194</td>
<td>221,919</td>
<td>195,289</td>
<td>263,640</td>
<td>14,414</td>
<td>2,914,456</td>
<td>2914456</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>26,737,876</td>
<td>2,673,788</td>
<td>2,352,933</td>
<td>3,176,460</td>
<td>173,664</td>
<td>35,114,721</td>
<td>35114721</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>423,641</td>
<td>42,364</td>
<td>37,280</td>
<td>50,329</td>
<td>2,752</td>
<td>556,366</td>
<td>556366.16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>133,331</td>
<td>13,333</td>
<td>11,733</td>
<td>15,840</td>
<td>866</td>
<td>175,103</td>
<td>175102.74</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>2,532,198</td>
<td>253,220</td>
<td>222,833</td>
<td>300,825</td>
<td>16,447</td>
<td>3,325,523</td>
<td>3325523</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>3,538,916</td>
<td>353,892</td>
<td>311,425</td>
<td>420,423</td>
<td>22,986</td>
<td>4,647,640</td>
<td>4647640</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>18,915</td>
<td>1,892</td>
<td>1,665</td>
<td>2,247</td>
<td>123</td>
<td>24,841</td>
<td>24841.91</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.30 ACR</td>
<td>149,634</td>
<td>14,963</td>
<td>13,168</td>
<td>17,776</td>
<td>972</td>
<td>196,513</td>
<td>23965.04</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>1,135,773</td>
<td>113,577</td>
<td>99,948</td>
<td>134,930</td>
<td>7,377</td>
<td>1,491,605</td>
<td>1491605</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>2,359,587</td>
<td>235,959</td>
<td>207,644</td>
<td>280,319</td>
<td>15,326</td>
<td>3,098,834</td>
<td>3098834</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>217,303</td>
<td>21,730</td>
<td>19,123</td>
<td>25,816</td>
<td>1,411</td>
<td>285,383</td>
<td>285382.98</td>
</tr>
</tbody>
</table>
** PROJECT INDIRECT SUMMARY - System **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>Total Let Down Structures</td>
<td>217,303</td>
<td>21,730</td>
<td>19,123</td>
<td>25,816</td>
<td>1,411</td>
<td>285,383</td>
<td>285382.98</td>
</tr>
<tr>
<td>1.00 EA</td>
<td>Total Construction (Restoration)</td>
<td>35,942,852</td>
<td>3,594,285</td>
<td>3,162,971</td>
<td>4,270,011</td>
<td>233,451</td>
<td>47,203,570</td>
<td>47203570</td>
</tr>
</tbody>
</table>

** 14 RECREATION **

<table>
<thead>
<tr>
<th>14. 30 RECREATION FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.001 Parking Areas</td>
</tr>
<tr>
<td>14. 30.005 Decomposed Granite Trails</td>
</tr>
<tr>
<td>14. 30.010 Other Recreation Features</td>
</tr>
</tbody>
</table>

| TOTAL RECREATION FEATURES | 650,741 | 65,074 | 57,265 | 77,308 | 4,227 | 854,615 |
| TOTAL RECREATION | 650,741 | 65,074 | 57,265 | 77,308 | 4,227 | 854,615 |

** 30 PLANNING, ENGINEERING, DESIGN **

| 30.009 Construction | 1.00 EA | 5,120,000 | 0 | 0 | 0 | 0 | 5,120,000 | 5120000 |
| 30.014 Recreation | 1.00 EA | 95,285 | 0 | 0 | 0 | 0 | 95,285 | 95285.00 |

| TOTAL PLANNING, ENGINEERING, DESIGN | 5,215,285 | 0 | 0 | 0 | 0 | 5,215,285 | 5215285 |

** 31 CONSTRUCTION MANAGEMENT **

| 31.009 Construction (Restoration) | 1.00 EA | 5,980,000 | 0 | 0 | 0 | 0 | 5,980,000 | 5980000 |
| 31.014 Recreation | 1.00 EA | 63,879 | 0 | 0 | 0 | 0 | 63,879 | 63879.00 |

| TOTAL CONSTRUCTION MANAGEMENT | 6,043,879 | 0 | 0 | 0 | 0 | 6,043,879 | 6043879 |
| TOTAL Paseo de las Iglesias Feas Study | 74,052,757 | 3,659,359 | 3,220,236 | 4,347,319 | 237,678 | 85,517,349 | 85517349 |

** ESCALATION **

| 4,953,123 |

** SUBTOTAL **

| 90,470,472 |

** CONTINGENCY **

| 7,118,185 |

** TOTAL INC INCL OWNER COSTS **

<p>| 97,588,657 |</p>
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26200000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>09 CONSTRUCTION (RESTORATION)</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01 IRRIGATION PLANTING</td>
</tr>
<tr>
<td>09. 01.01 Historic Floodplain</td>
</tr>
<tr>
<td>09. 01.01.1 Fencing for Erosion Control</td>
</tr>
<tr>
<td>09. 01.01.2 Clearing &amp; Grubbing, Debris</td>
</tr>
<tr>
<td>09. 01.01.3 Site Preparation</td>
</tr>
<tr>
<td>09. 01.01.5 Compaction (tractor wheel, one</td>
</tr>
<tr>
<td>09. 01.01.6 Trenching for Water Supply Pipes</td>
</tr>
<tr>
<td>09. 01.01.7 Pipe bedding, crushed stone</td>
</tr>
<tr>
<td>09. 01.01.8 Install gated 12&quot; PVC pipe for</td>
</tr>
<tr>
<td>09. 01.01.9 Install &quot;U&quot; outlet tubes with</td>
</tr>
<tr>
<td>09. 01.01.10 Backfill pipe trench, side cast</td>
</tr>
<tr>
<td>09. 01.01.11 Planting &amp; Seeding</td>
</tr>
<tr>
<td>TOTAL Historic Floodplain</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>09. 01.05 Graded Slope</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.05.1 Fencing for Erosion Control</td>
</tr>
<tr>
<td>09. 01.05.2 Clearing &amp; Grubbing, debris</td>
</tr>
<tr>
<td>09. 01.05.3 Excavation, strl, mach excav.</td>
</tr>
<tr>
<td>09. 01.05.4 Excavation, steep slopes, 5:1</td>
</tr>
<tr>
<td>09. 01.05.5 Fine grading to 20% slope,</td>
</tr>
<tr>
<td>09. 01.05.6 Header Pipe Laying</td>
</tr>
<tr>
<td>09. 01.05.7 8&quot; PVC Leach Pipe Laying</td>
</tr>
<tr>
<td>09. 01.05.8 Planting &amp; Seeding</td>
</tr>
<tr>
<td>TOTAL Graded Slope</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>09. 01.10 Natural Slope</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.10.1 Fencing for Erosion Control</td>
</tr>
<tr>
<td>09. 01.10.2 Clearing and Grubbing, debris</td>
</tr>
<tr>
<td>09. 01.10.3 Header Trenching</td>
</tr>
<tr>
<td>09. 01.10.4 8&quot; PVC Leach Pipe Laying</td>
</tr>
<tr>
<td>09. 01.10.5 Planting &amp; Seeding</td>
</tr>
<tr>
<td>TOTAL Natural Slope</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>09. 01.15 Second Bench</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.15.1 Fencing for Erosion Control</td>
</tr>
</tbody>
</table>

** PROJECT INDIRECT SUMMARY - Subsysm **
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.015. 2 Clearing and Grubbing, debris</td>
<td>93.00 ACR</td>
<td>67,159</td>
<td>6,716</td>
<td>5,910</td>
<td>7,978</td>
<td>436</td>
<td>88,200</td>
</tr>
<tr>
<td>09. 01.015. 3 Header Trenching</td>
<td>8080.00 LF</td>
<td>109,617</td>
<td>10,962</td>
<td>9,646</td>
<td>13,022</td>
<td>712</td>
<td>143,959</td>
</tr>
<tr>
<td>09. 01.015. 4 8&quot; PVC Leach Pipe Laying</td>
<td>545686.00 LF</td>
<td>3,563,384</td>
<td>356,338</td>
<td>313,578</td>
<td>423,330</td>
<td>23,144</td>
<td>4,679,775</td>
</tr>
<tr>
<td>09. 01.015. 5 Planting &amp; Seeding</td>
<td>125.00 ACR</td>
<td>1,444,557</td>
<td>144,456</td>
<td>127,121</td>
<td>171,613</td>
<td>9,383</td>
<td>1,897,130</td>
</tr>
</tbody>
</table>

TOTAL Second Bench

1.00 EA | 5,250,915 | 525,091 | 462,081 | 623,809 | 34,105 | 6,896,001 |

TOTAL First Bench

1.00 EA | 2,219,194 | 221,919 | 195,289 | 263,640 | 14,414 | 2,914,456 |

TOTAL IRRIGATION PLANTING

1.00 EA | 26,737,876 | 2,673,788 | 2,352,933 | 3,176,460 | 173,664 | 35,114,721 |

TOTAL BASINS PLANTING

1.00 EA | 423,641 | 42,364 | 37,280 | 50,329 | 2,752 | 556,366 |

TOTAL BASINS PLANTING

1.00 EA | 556,972 | 55,697 | 49,014 | 66,168 | 3,618 | 731,468 | 731468.90 |
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.10 HARDENED BANKS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.10.01 09.001 HARDENED SLOPES</td>
<td>3.50 ACR</td>
<td>11,109</td>
<td>1,111</td>
<td>978</td>
<td>1,320</td>
<td>72</td>
</tr>
<tr>
<td>09.10.01 09.001.001 CLEARING AND GRUBBING, DEBRIS</td>
<td>0.90 ACR</td>
<td>650</td>
<td>65</td>
<td>57</td>
<td>77</td>
<td>4</td>
</tr>
<tr>
<td>09.10.01 09.001.002 EXCAVATING, PREPARE SLOPE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.10.01 09.001.003 FILL, SPREAD DUMPED MATERIAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.10.01 09.001.004 BACKFILL AND COMPACTION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.10.01 09.001.005 SOIL CEMENT APPLICATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.10.01 09.001.006 09.002 PIPE LINES</td>
<td>3130.00 CY</td>
<td>295,083</td>
<td>29,508</td>
<td>25,967</td>
<td>35,056</td>
<td>1,917</td>
</tr>
<tr>
<td>09.10.01 09.002.001 CLEARING AND GRUBBING, DEBRIS</td>
<td>9.00 ACR</td>
<td>6,499</td>
<td>650</td>
<td>572</td>
<td>772</td>
<td>42</td>
</tr>
<tr>
<td>09.10.01 09.002.002 SITE PREPARATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.10.01 09.002.003</td>
<td>18.00 ACR</td>
<td>1,048,766</td>
<td>104,877</td>
<td>92,291</td>
<td>124,593</td>
<td>6,812</td>
</tr>
<tr>
<td>09.10.01 09.003 GRAVEL MAINTENANCE ROAD</td>
<td>4.10 ACR</td>
<td>2,961</td>
<td>296</td>
<td>261</td>
<td>352</td>
<td>19</td>
</tr>
</tbody>
</table>
** PROJECT INDIRECT SUMMARY - Subsystm **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.003. 2 Site Preparation</td>
<td>8.20 ACR</td>
<td>146,673</td>
<td>14,667</td>
<td>12,907</td>
<td>17,425</td>
<td>953</td>
<td>192,625</td>
<td>23490.85</td>
</tr>
<tr>
<td><strong>TOTAL Gravel Maintenance Road</strong></td>
<td>8.20 ACR</td>
<td>149,634</td>
<td>14,963</td>
<td>13,168</td>
<td>17,776</td>
<td>972</td>
<td>196,513</td>
<td>23965.04</td>
</tr>
<tr>
<td>09. 20.005 Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 1 Pencing for Erosion Control</td>
<td>9.00 ACR</td>
<td>17,831</td>
<td>1,783</td>
<td>1,569</td>
<td>2,118</td>
<td>116</td>
<td>23,418</td>
<td>2601.96</td>
</tr>
<tr>
<td>09. 20.005. 2 Clearing and Grubbing, debris</td>
<td>7.00 ACR</td>
<td>5,055</td>
<td>505</td>
<td>445</td>
<td>601</td>
<td>33</td>
<td>6,639</td>
<td>948.38</td>
</tr>
<tr>
<td>09. 20.005. 3 Excavating, structural, sand/</td>
<td>3060.00 CY</td>
<td>10,137</td>
<td>1,014</td>
<td>892</td>
<td>1,204</td>
<td>66</td>
<td>13,313</td>
<td>4.35</td>
</tr>
<tr>
<td>09. 20.005. 4 Cast in Place reinforced concret</td>
<td>3060.00 CY</td>
<td>383,516</td>
<td>38,352</td>
<td>33,749</td>
<td>45,562</td>
<td>2,491</td>
<td>503,669</td>
<td>164.60</td>
</tr>
<tr>
<td>09. 20.005. 5 Finished grading, tie in, stabl.</td>
<td>9.00 ACR</td>
<td>686,642</td>
<td>68,642</td>
<td>60,601</td>
<td>81,811</td>
<td>4,473</td>
<td>904,390</td>
<td>100487.83</td>
</tr>
<tr>
<td><strong>TOTAL Bridges</strong></td>
<td>1.00 EA</td>
<td>1,135,773</td>
<td>113,577</td>
<td>99,948</td>
<td>134,930</td>
<td>7,377</td>
<td>1,491,605</td>
<td>1491605</td>
</tr>
<tr>
<td><strong>TOTAL ROADS &amp; BRIDGES</strong></td>
<td>1.00 EA</td>
<td>2,359,587</td>
<td>235,959</td>
<td>207,644</td>
<td>280,319</td>
<td>15,326</td>
<td>3,098,834</td>
<td>3098834</td>
</tr>
<tr>
<td>09. 25 LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001 Let Down Structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 1 Fencing for Erosion Control</td>
<td>2.50 ACR</td>
<td>9,400</td>
<td>940</td>
<td>827</td>
<td>1,117</td>
<td>61</td>
<td>12,345</td>
<td>4937.91</td>
</tr>
<tr>
<td>09. 25.001. 2 Clearing &amp; Grubbing, debris</td>
<td>1.90 ACR</td>
<td>1,372</td>
<td>137</td>
<td>121</td>
<td>163</td>
<td>9</td>
<td>1,802</td>
<td>948.38</td>
</tr>
<tr>
<td>09. 25.001. 3 Prep (excav) slope to receive</td>
<td>500.00 CY</td>
<td>750</td>
<td>75</td>
<td>66</td>
<td>89</td>
<td>5</td>
<td>985</td>
<td>1.97</td>
</tr>
<tr>
<td>09. 25.001. 4 30&quot; Pipe Laying</td>
<td>1000.00 LF</td>
<td>77,551</td>
<td>7,755</td>
<td>6,825</td>
<td>9,213</td>
<td>504</td>
<td>101,848</td>
<td>101.85</td>
</tr>
<tr>
<td>09. 25.001. 5 Backfilling &amp; Compaction</td>
<td>30000.00 CY</td>
<td>100,287</td>
<td>10,029</td>
<td>8,825</td>
<td>11,914</td>
<td>651</td>
<td>131,706</td>
<td>4.39</td>
</tr>
<tr>
<td>09. 25.001. 6 Planting and Seeding</td>
<td>2.10 ACR</td>
<td>27,943</td>
<td>2,794</td>
<td>2,459</td>
<td>3,320</td>
<td>181</td>
<td>36,697</td>
<td>17474.79</td>
</tr>
<tr>
<td><strong>TOTAL Let Down Structures</strong></td>
<td>1.00 EA</td>
<td>217,303</td>
<td>21,730</td>
<td>19,123</td>
<td>25,816</td>
<td>1,411</td>
<td>285,383</td>
<td>285382.98</td>
</tr>
<tr>
<td><strong>TOTAL LET DOWN STRUCTURES</strong></td>
<td>1.00 EA</td>
<td>217,303</td>
<td>21,730</td>
<td>19,123</td>
<td>25,816</td>
<td>1,411</td>
<td>285,383</td>
<td>285382.98</td>
</tr>
<tr>
<td>09. 25.001 TOTAL CONSTRUCTION (RESTORATION)</td>
<td>1.00 EA</td>
<td>35,942,852</td>
<td>3,594,285</td>
<td>3,162,971</td>
<td>4,270,011</td>
<td>233,451</td>
<td>47,203,570</td>
<td>47203570</td>
</tr>
</tbody>
</table>

14 RECREATION

14. 30 RECREATION FEATURES

14. 30.001 Parking Areas

14. 30.001. 1 Pencing for Erosion Control | 1.80 ACR | 7,976 | 798 | 702 | 948 | 52 | 10,474 | 5819.09 |
| 14. 30.001. 2 Clearing & Grubbing, debris | 1.80 ACR | 1,372 | 137 | 121 | 163 | 9 | 1,802 | 1001.07 |
| 14. 30.001. 3 Site Preparation | 1.80 ACR | 16,941 | 1,694 | 1,491 | 2,013 | 110 | 22,249 | 12360.60 |
| 14. 30.001. 4 Asphalt Paving, 6" stone base, | 79280.00 SF | 129,226 | 12,923 | 11,372 | 15,352 | 839 | 169,712 | 2.14 |
| 14. 30.001. 5 Lines on pavement, parking stall | 1,500 | 150 | 132 | 178 | 10 | 1,970 | |
| 14. 30.001. 6 Parking Lot Amenities, lighting, | 10,000 | 1,000 | 860 | 1,188 | 65 | 13,133 | |
| **TOTAL Parking Areas** | 1.80 ACR | 167,016 | 16,702 | 14,697 | 19,841 | 1,085 | 219,341 | 121855.91 |
### PASEO DE LAS IGLESIAS Feasibility Study Estimate

**PROJECT INDIRECT SUMMARY - Subsystem**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.005 Decomposed Granite Trails</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.005.1 Clearing &amp; Grubbing, debris</td>
<td>2.00 ACR</td>
<td>1,444</td>
<td>144</td>
<td>127</td>
<td>172</td>
<td>9</td>
<td>1,897</td>
<td>948.38</td>
</tr>
<tr>
<td>14. 30.005.2 Site Preparation</td>
<td>2.00 ACR</td>
<td>9,781</td>
<td>978</td>
<td>861</td>
<td>1,162</td>
<td>64</td>
<td>12,846</td>
<td>6422.83</td>
</tr>
<tr>
<td>14. 30.005.3 Decomposed Granite course,</td>
<td>275740.00 SF</td>
<td>122,006</td>
<td>12,201</td>
<td>10,737</td>
<td>14,494</td>
<td>792</td>
<td>160,230</td>
<td>0.58</td>
</tr>
<tr>
<td>14. 30.005.4 Trail amenities, ADA ramps, signs</td>
<td>10,000</td>
<td>1,000</td>
<td>880</td>
<td>1,188</td>
<td>65</td>
<td>1,133</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL Decomposed Granite Trails</strong></td>
<td>1.00 EA</td>
<td>143,232</td>
<td>14,323</td>
<td>12,604</td>
<td>17,016</td>
<td>930</td>
<td>188,106</td>
<td>188105.85</td>
</tr>
<tr>
<td>14. 30.010 Other Recreation Features</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.010.1 Paved Trail amenities, curb</td>
<td>1.00 EA</td>
<td>10,000</td>
<td>1,000</td>
<td>880</td>
<td>1,188</td>
<td>65</td>
<td>13,133</td>
<td>13132.95</td>
</tr>
<tr>
<td>14. 30.010.2 Comfort Stations</td>
<td>3.00 EA</td>
<td>300,000</td>
<td>30,000</td>
<td>26,400</td>
<td>35,640</td>
<td>1,949</td>
<td>393,989</td>
<td>131329.51</td>
</tr>
<tr>
<td>14. 30.010.3 Rest Stops</td>
<td>5.00 EA</td>
<td>15,000</td>
<td>1,500</td>
<td>1,320</td>
<td>1,782</td>
<td>97</td>
<td>19,699</td>
<td>39389.95</td>
</tr>
<tr>
<td>14. 30.010.4 Concrete Benches</td>
<td>21.00 EA</td>
<td>14,909</td>
<td>1,491</td>
<td>1,312</td>
<td>1,771</td>
<td>97</td>
<td>19,580</td>
<td>933.60</td>
</tr>
<tr>
<td>14. 30.010.5 Signage</td>
<td>21.00 EA</td>
<td>585</td>
<td>59</td>
<td>51</td>
<td>70</td>
<td>4</td>
<td>769</td>
<td>36.60</td>
</tr>
<tr>
<td><strong>TOTAL Other Recreation Features</strong></td>
<td>1.00 EA</td>
<td>340,494</td>
<td>34,049</td>
<td>29,963</td>
<td>40,451</td>
<td>2,212</td>
<td>447,169</td>
<td>447168.94</td>
</tr>
<tr>
<td><strong>TOTAL RECREATION FEATURES</strong></td>
<td>1.00 EA</td>
<td>650,741</td>
<td>65,074</td>
<td>57,265</td>
<td>77,308</td>
<td>4,227</td>
<td>854,615</td>
<td>854615.43</td>
</tr>
</tbody>
</table>

**30 PLANNING, ENGINEERING, DESIGN**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.009 Construction</td>
<td>1.00 EA</td>
<td>5,120,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,120,000</td>
<td>5120000</td>
</tr>
<tr>
<td>30.014 Recreation</td>
<td>1.00 EA</td>
<td>95,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>95,285</td>
<td>95285.00</td>
</tr>
<tr>
<td><strong>TOTAL PLANNING, ENGINEERING, DESIGN</strong></td>
<td>1.00 EA</td>
<td>5,215,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5215285</td>
</tr>
</tbody>
</table>

**31 CONSTRUCTION MANAGEMENT**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.009 Construction (Restoration)</td>
<td>1.00 EA</td>
<td>5,980,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
<td>5980000</td>
</tr>
<tr>
<td>31.014 Recreation</td>
<td>1.00 EA</td>
<td>63,879</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>63,879</td>
<td>63879.00</td>
</tr>
<tr>
<td><strong>TOTAL CONSTRUCTION MANAGEMENT</strong></td>
<td>1.00 EA</td>
<td>6,043,879</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td>6043879</td>
</tr>
<tr>
<td><strong>TOTAL Paseo de las Iglesias Feas Study</strong></td>
<td>1.00 EA</td>
<td>74,052,757</td>
<td>3,659,359</td>
<td>3,220,236</td>
<td>4,347,319</td>
<td>237,678</td>
<td>85,517,349</td>
<td>85517349</td>
</tr>
</tbody>
</table>

**ESCALATION**

4,953,123

**SUBTOTAL**

90,470,472

**CONTINGENCY**

7,118,185

**TOTAL INCL OWNER COSTS**

97,588,657
## PASEO DE LAS IGLESIAS Feasibility Study Estimate

### SUMMARY PAGE 31

#### PROJECT INDIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>26,200,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
</tr>
</tbody>
</table>

### CONSTRUCTION (RESTORATION)

#### 09. 01 IRRIGATION PLANTING

** 09.01.001 Historic Floodplain

- **09.01.001. 1** Fencing for Erosion Control
- **09.01.001. 2** Clearing & Grubbing, Debris
- **09.01.001. 3** Site Preparation
- **09.01.001. 4** Excavation
- **09.01.001. 5** Compaction (tractor wheel, one
- **09.01.001. 6** Trenching for Water Supply Pipes
- **09.01.001. 7** Pipe bedding, crushed stone
- **09.01.001. 8** Install gated 12" PVC pipe for
- **09.01.001. 9** Install "U" outlet tubes with
- **09.01.001.10** Backfill pipe trench, side cast

** 09.01.001.11 Planting & Seeding

- **09.01.11.01** Mulching, hay, 1" deep, power
- **09.01.11.02** Crimping, Tilling topsoil
- **09.01.11.03** Seeding, athletic fld mix,
- **09.01.11.04** Place Coarse Woody debris/rocks
- **09.01.11.05** Plant Mesquite/Shrub mix using

** 09.01.005 Graded Slope

- **09.01.05. 1** Fencing for Erosion Control
- **09.01.05. 2** Clearing & Grubbing, debris
- **09.01.05. 3** Excavation, strl, mach excav.
- **09.01.05. 4** Excavation, steep slopes, 5:l

- **09.01.05. 4.01** Hauling, no loading, 16.5 cy
- **09.01.05. 4.02** Fill, spread dumped material,
### Project: PASEO1: Paseo de las Iglesias Feas Study - Los Reals Road to Congress Road

#### Summary Page 32

**PROJECT INDIRECT SUMMARY - Assm Cat**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.005. 4.03</td>
<td>Compaction, sheepfoot/wobbly</td>
<td>1213390 CY</td>
<td>356,979</td>
<td>35,698</td>
<td>31,414</td>
<td>42,409</td>
<td>2,319</td>
<td>468,819</td>
</tr>
<tr>
<td>09. 01.005. 5</td>
<td>Fine grading to 20% slope,</td>
<td>110.00 ACR</td>
<td>243,040</td>
<td>24,304</td>
<td>21,387</td>
<td>28,873</td>
<td>1,579</td>
<td>319,183</td>
</tr>
<tr>
<td>09. 01.005. 6</td>
<td>Header Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7</td>
<td>8&quot; PVC Leach Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010</td>
<td>Natural Slope</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 3</td>
<td>Header Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 4.03</td>
<td>Compaction, sheepfoot/wobbly</td>
<td>1213390 CY</td>
<td>3,520,287</td>
<td>352,029</td>
<td>309,785</td>
<td>418,210</td>
<td>22,865</td>
<td>4,623,176</td>
</tr>
<tr>
<td>09. 01.010. 1</td>
<td>Fencing for Erosion Control</td>
<td>18.00 ACR</td>
<td>25,223</td>
<td>2,522</td>
<td>2,220</td>
<td>2,996</td>
<td>164</td>
<td>33,125</td>
</tr>
<tr>
<td>09. 01.010. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>13.00 ACR</td>
<td>9,388</td>
<td>939</td>
<td>826</td>
<td>1,115</td>
<td>61</td>
<td>12,329</td>
</tr>
</tbody>
</table>

**ABOR ID: AZ0401**

**EQUIP ID: NAT99C**

**Currency in DOLLARS**

**LABOR ID: A50401**

**EQUIP ID: NAT99C**
## PROJECT INDIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.010. 3.02</td>
<td>Header Trench bedding, 3/4&quot;</td>
<td>35.00 CY</td>
<td>790</td>
<td>79</td>
<td>70</td>
<td>94</td>
<td>5</td>
<td>1,037</td>
</tr>
<tr>
<td>09. 01.010. 3.03</td>
<td>Install med. diam. PVC Header</td>
<td>1520.00 LF</td>
<td>19,451</td>
<td>1,945</td>
<td>1,712</td>
<td>2,311</td>
<td>126</td>
<td>25,545</td>
</tr>
<tr>
<td>09. 01.010. 3.04</td>
<td>Backfill trench, FE loader,</td>
<td>35.00 CY</td>
<td>57</td>
<td>6</td>
<td>5</td>
<td>7</td>
<td>0</td>
<td>75</td>
</tr>
<tr>
<td>09. 01.010. 3.05</td>
<td>Hauling, surplus cut matl, no</td>
<td>52.00 CY</td>
<td>195</td>
<td>19</td>
<td>17</td>
<td>23</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Header Trenching</td>
<td>1520.00 LF</td>
<td>20,537</td>
<td>2,054</td>
<td>1,807</td>
<td>2,440</td>
<td>133</td>
<td>26,971</td>
<td>17.74</td>
</tr>
<tr>
<td>09. 01.010. 4</td>
<td>8&quot; PVC Leach Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 4.01</td>
<td>Excavate trench, 12&quot; depth by</td>
<td>16780.00 CY</td>
<td>8,450</td>
<td>845</td>
<td>744</td>
<td>1,004</td>
<td>55</td>
<td>11,098</td>
</tr>
<tr>
<td>09. 01.010. 4.02</td>
<td>Install low perm geotextile in</td>
<td>25200.00 SY</td>
<td>27,377</td>
<td>2,738</td>
<td>2,409</td>
<td>3,252</td>
<td>178</td>
<td>35,954</td>
</tr>
<tr>
<td>09. 01.010. 4.03</td>
<td>Install 8&quot; PVC leach pipe for</td>
<td>75510.00 LF</td>
<td>121,571</td>
<td>12,157</td>
<td>10,698</td>
<td>14,443</td>
<td>790</td>
<td>159,659</td>
</tr>
<tr>
<td>09. 01.010. 4.04</td>
<td>Install pipe fittings as needed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 4.05</td>
<td>Backfill trench, FE loader, whl</td>
<td>15830.00 CY</td>
<td>25,999</td>
<td>2,600</td>
<td>2,288</td>
<td>3,089</td>
<td>169</td>
<td>34,145</td>
</tr>
<tr>
<td>09. 01.010. 4.06</td>
<td>Hauling, surplus cut matl, no</td>
<td>990.00 CY</td>
<td>3,711</td>
<td>371</td>
<td>327</td>
<td>441</td>
<td>24</td>
<td>4,873</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL 8&quot; PVC Leach Pipe Laying</td>
<td>75510.00 LF</td>
<td>537,049</td>
<td>53,705</td>
<td>47,260</td>
<td>63,801</td>
<td>3,488</td>
<td>705,304</td>
<td>9.34</td>
</tr>
<tr>
<td>09. 01.010. 5</td>
<td>Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010. 5.01</td>
<td>Mulch, hay, 1&quot; deep, power</td>
<td>18.00 ACR</td>
<td>16,087</td>
<td>1,609</td>
<td>1,416</td>
<td>1,911</td>
<td>104</td>
<td>21,127</td>
</tr>
<tr>
<td>09. 01.010. 5.02</td>
<td>Crimping, tilling topsoil</td>
<td>18.00 ACR</td>
<td>2,863</td>
<td>286</td>
<td>252</td>
<td>340</td>
<td>19</td>
<td>3,760</td>
</tr>
<tr>
<td>09. 01.010. 5.03</td>
<td>Seeding, athletic fld mix,</td>
<td>18.00 ACR</td>
<td>54,534</td>
<td>5,453</td>
<td>4,799</td>
<td>6,479</td>
<td>354</td>
<td>71,620</td>
</tr>
<tr>
<td>09. 01.010. 5.04</td>
<td>Place Coarse Woody debris/rocks</td>
<td>18.00 ACR</td>
<td>13,592</td>
<td>1,359</td>
<td>1,196</td>
<td>1,615</td>
<td>88</td>
<td>17,850</td>
</tr>
<tr>
<td>09. 01.010. 5.05</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>7740.00 EA</td>
<td>116,100</td>
<td>11,610</td>
<td>10,217</td>
<td>13,793</td>
<td>754</td>
<td>152,474</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>18.00 ACR</td>
<td>203,176</td>
<td>20,318</td>
<td>17,879</td>
<td>24,137</td>
<td>1,320</td>
<td>266,830</td>
<td>14823.87</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Natural Slope</td>
<td>1.00 EA</td>
<td>795,373</td>
<td>79,537</td>
<td>69,993</td>
<td>94,490</td>
<td>5,166</td>
<td>1,044,559</td>
<td>1044559</td>
</tr>
</tbody>
</table>

### 09. 01.015 Second Bench

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.015. 1</td>
<td>Fencing for Erosion Control</td>
<td>124.00 ACR</td>
<td>66,198</td>
<td>6,620</td>
<td>5,825</td>
<td>7,864</td>
<td>430</td>
<td>86,937</td>
</tr>
<tr>
<td>09. 01.015. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>93.00 ACR</td>
<td>67,159</td>
<td>6,716</td>
<td>5,910</td>
<td>7,978</td>
<td>436</td>
<td>88,200</td>
</tr>
<tr>
<td>09. 01.015. 3</td>
<td>Header Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.015. 3.01</td>
<td>Excavate header trench, 12&quot; dep.</td>
<td>500.00 CY</td>
<td>252</td>
<td>25</td>
<td>22</td>
<td>30</td>
<td>2</td>
<td>331</td>
</tr>
<tr>
<td>09. 01.015. 3.02</td>
<td>Header Trench bedding, 3/4&quot;</td>
<td>200.00 CY</td>
<td>4,513</td>
<td>451</td>
<td>397</td>
<td>536</td>
<td>29</td>
<td>5,927</td>
</tr>
<tr>
<td>09. 01.015. 3.03</td>
<td>Install med. diam. PVC Header</td>
<td>103,399</td>
<td>10,340</td>
<td>9,099</td>
<td>12,284</td>
<td>672</td>
<td>135,793</td>
<td>16.81</td>
</tr>
<tr>
<td>09. 01.015. 3.04</td>
<td>Backfill trench, FE loader,</td>
<td>200.00 CY</td>
<td>328</td>
<td>33</td>
<td>29</td>
<td>39</td>
<td>2</td>
<td>331</td>
</tr>
<tr>
<td>09. 01.015. 3.05</td>
<td>Hauling, surplus cut matl, no</td>
<td>300.00 CY</td>
<td>1,124</td>
<td>112</td>
<td>99</td>
<td>134</td>
<td>7</td>
<td>1,477</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Header Trenching</td>
<td>8080.00 LF</td>
<td>109,617</td>
<td>10,962</td>
<td>9,646</td>
<td>13,022</td>
<td>712</td>
<td>143,959</td>
<td>17.82</td>
</tr>
</tbody>
</table>

### 09. 01.015 8" PVC Leach Pipe Laying
### Summary Page 34

**Project INDIRECT SUMMARY - Assm Cat**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.01.015.01</td>
<td>Excavate trench, 12&quot; depth by</td>
<td>121260.00 CY</td>
<td>61,067</td>
<td>6,107</td>
<td>5,374</td>
<td>7,255</td>
<td>397</td>
<td>80,198</td>
</tr>
<tr>
<td>09.01.015.03</td>
<td>Install 8&quot; PVC leach pipe for</td>
<td>545686.00 LF</td>
<td>2,384,375</td>
<td>238,437</td>
<td>209,825</td>
<td>283,264</td>
<td>15,487</td>
<td>3,131,388</td>
</tr>
<tr>
<td>09.01.015.04</td>
<td>Install leach pipe filter &quot;sock&quot;</td>
<td>545680.00 LF</td>
<td>878,545</td>
<td>87,854</td>
<td>77,312</td>
<td>104,371</td>
<td>5,706</td>
<td>1,153,789</td>
</tr>
<tr>
<td>09.01.015.05</td>
<td>Install pipe fittings as needed</td>
<td>25,000</td>
<td>2,500</td>
<td>2,200</td>
<td>2,338</td>
<td>3,157</td>
<td>173</td>
<td>34,899</td>
</tr>
<tr>
<td>09.01.015.06</td>
<td>Backfill trench, FE loader, whl</td>
<td>114360.00 CY</td>
<td>187,825</td>
<td>18,782</td>
<td>16,529</td>
<td>22,314</td>
<td>1,220</td>
<td>246,669</td>
</tr>
<tr>
<td>09.01.015.07</td>
<td>Hauling, surplus cut matl, no hauling</td>
<td>7090.00 CY</td>
<td>26,573</td>
<td>2,657</td>
<td>2,338</td>
<td>3,157</td>
<td>173</td>
<td>34,899</td>
</tr>
</tbody>
</table>

**TOTAL 8" PVC Leach Pipe Laying**

- **545686.00 LF**
- **3,563,384**
- **356,338**
- **313,578**
- **423,330**
- **23,144**
- **4,679,775**
- **8.58**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.01.015.5</td>
<td>Mulch, hay, 1&quot; deep, power</td>
<td>125.00 ACR</td>
<td>111,715</td>
<td>11,171</td>
<td>9,831</td>
<td>13,272</td>
<td>726</td>
<td>146,715</td>
</tr>
<tr>
<td>09.01.015.52</td>
<td>Crimping, tilling topsoil</td>
<td>125.00 ACR</td>
<td>19,880</td>
<td>1,988</td>
<td>1,749</td>
<td>2,362</td>
<td>129</td>
<td>26,108</td>
</tr>
<tr>
<td>09.01.015.53</td>
<td>Seeding, athletic fld mix,</td>
<td>125.00 ACR</td>
<td>378,711</td>
<td>37,871</td>
<td>33,327</td>
<td>44,991</td>
<td>2,460</td>
<td>497,359</td>
</tr>
<tr>
<td>09.01.015.54</td>
<td>Place Coarse Woody debris/rocks</td>
<td>125.00 ACR</td>
<td>95,226</td>
<td>9,523</td>
<td>8,380</td>
<td>11,313</td>
<td>619</td>
<td>125,060</td>
</tr>
<tr>
<td>09.01.015.55</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>55935.00 EA</td>
<td>839,025</td>
<td>83,903</td>
<td>73,834</td>
<td>99,676</td>
<td>5,450</td>
<td>1,101,887</td>
</tr>
</tbody>
</table>

**TOTAL Planting & Seeding**

- **125.00 ACR**
- **1,444,557**
- **144,456**
- **127,121**
- **171,613**
- **9,383**
- **1,897,130**
- **15177.04**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.01.020.1</td>
<td>Excavate pipe trench, 18&quot; depth</td>
<td>1.00 LF</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL Excavate pipe trench, 18" depth**

- **1.00 LF**
- **1**
- **0**
- **0**
- **0**
- **0**
- **1**
- **0.85**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.01.020.2</td>
<td>Install small diam pressure pipe</td>
<td>31000.00 LF</td>
<td>116,975</td>
<td>11,698</td>
<td>10,294</td>
<td>13,897</td>
<td>760</td>
<td>153,623</td>
</tr>
<tr>
<td>09.01.020.22</td>
<td>Install small diam pipe fittings</td>
<td>3100.00 EA</td>
<td>127,968</td>
<td>12,797</td>
<td>11,261</td>
<td>15,203</td>
<td>831</td>
<td>168,060</td>
</tr>
<tr>
<td>09.01.020.23</td>
<td>Install long reach (150') sprin-</td>
<td>190.00 LF</td>
<td>22,320</td>
<td>2,232</td>
<td>1,964</td>
<td>2,652</td>
<td>145</td>
<td>29,312</td>
</tr>
<tr>
<td>09.01.020.24</td>
<td>Install pipe thrust blocks at</td>
<td>238.00 EA</td>
<td>11,900</td>
<td>1,190</td>
<td>1,047</td>
<td>1,414</td>
<td>77</td>
<td>15,628</td>
</tr>
</tbody>
</table>

**TOTAL Pipe Laying**

- **31000.00 LF**
- **279,163**
- **27,916**
- **24,566**
- **33,165**
- **1,813**
- **366,624**
- **11.83**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.01.020.3</td>
<td>Backfill pipe trench, compact</td>
<td>31000.00 LF</td>
<td>50,914</td>
<td>5,091</td>
<td>4,480</td>
<td>6,049</td>
<td>331</td>
<td>66,866</td>
</tr>
<tr>
<td>09.01.020.4</td>
<td>Install control valves for sprin-</td>
<td>90.00 EA</td>
<td>3,960</td>
<td>396</td>
<td>349</td>
<td>470</td>
<td>26</td>
<td>5,201</td>
</tr>
<tr>
<td>09.01.020.5</td>
<td>Install Programmable Logic</td>
<td>1.00 EA</td>
<td>500,000</td>
<td>50,000</td>
<td>44,000</td>
<td>59,400</td>
<td>3,248</td>
<td>656,648</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.01.020.6</td>
<td>Rough grade &amp; scarify subsoil</td>
<td>89.00 ACR</td>
<td>159,167</td>
<td>15,917</td>
<td>14,007</td>
<td>18,909</td>
<td>1,034</td>
<td>209,033</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.01.020.7</td>
<td>Mulch, hay, 1&quot; deep, power</td>
<td>89.00 ACR</td>
<td>79,541</td>
<td>7,954</td>
<td>7,000</td>
<td>9,449</td>
<td>517</td>
<td>104,461</td>
</tr>
<tr>
<td>09.01.020.72</td>
<td>Crimping, tilling topsoil</td>
<td>89.00 ACR</td>
<td>14,155</td>
<td>1,415</td>
<td>1,246</td>
<td>1,682</td>
<td>92</td>
<td>18,589</td>
</tr>
<tr>
<td>09.01.020.73</td>
<td>Seeding, athletic fld mix,</td>
<td>89.00 ACR</td>
<td>269,642</td>
<td>26,964</td>
<td>23,728</td>
<td>32,033</td>
<td>1,751</td>
<td>354,119</td>
</tr>
<tr>
<td>09.01.020.74</td>
<td>Place Coarse Woody debris/rocks</td>
<td>89.00 ACR</td>
<td>23,625</td>
<td>2,363</td>
<td>2,079</td>
<td>2,807</td>
<td>153</td>
<td>31,027</td>
</tr>
</tbody>
</table>

**Labor ID: AZ0401**
**Equipment ID: NAT99C**

Currency in DOLLARS
**CREW ID: NAT01A**
**UPB ID: UP01EA**
** PROJECT INDIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>OUM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.02. 7.05 Plant Mesquite/Shrub mix using</td>
<td>55935.00 EA</td>
<td>839,025</td>
<td>83,903</td>
<td>73,834</td>
<td>99,676</td>
<td>5,450</td>
<td>1,101,887</td>
<td>19.70</td>
</tr>
<tr>
<td>TOTAL Planting &amp; seeding</td>
<td>89.00 ACR</td>
<td>1,225,988</td>
<td>122,599</td>
<td>107,887</td>
<td>145,647</td>
<td>7,963</td>
<td>1,610,084</td>
<td>18090.83</td>
</tr>
<tr>
<td>TOTAL First Bench</td>
<td>1.00 EA</td>
<td>2,219,194</td>
<td>221,919</td>
<td>195,289</td>
<td>263,640</td>
<td>14,414</td>
<td>2,914,456</td>
<td>2914456</td>
</tr>
<tr>
<td>TOTAL IRRIGATION PLANTING</td>
<td>1.00 EA</td>
<td>26,737,876</td>
<td>2,673,788</td>
<td>2,352,933</td>
<td>3,176,460</td>
<td>173,644</td>
<td>35,114,721</td>
<td>35114721</td>
</tr>
</tbody>
</table>

09. 05 BASINS PLANTING

09. 05.001 Tributary Infiltration Basins

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>OUM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.001. 1 Pacing for Erosion Control</td>
<td>18.00 ACR</td>
<td>25,223</td>
<td>2,522</td>
<td>2,220</td>
<td>2,996</td>
<td>164</td>
<td>33,125</td>
<td>1840.29</td>
</tr>
<tr>
<td>09. 05.001. 2 Clearing and Grubbing, debris</td>
<td>13.00 ACR</td>
<td>9,388</td>
<td>926</td>
<td>826</td>
<td>1,115</td>
<td>61</td>
<td>12,329</td>
<td>948.38</td>
</tr>
<tr>
<td>09. 05.001. 3 Excavate, mach exc., sand &amp; grav</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 09. 05.001. 4 Backfilling

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>OUM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.001. 4.01 Fill, bottom layer, clean sand,</td>
<td>840.00 CY</td>
<td>14,910</td>
<td>1,491</td>
<td>1,312</td>
<td>1,771</td>
<td>97</td>
<td>19,581</td>
<td>23.31</td>
</tr>
<tr>
<td>09. 05.001. 4.02 Fill, middle layer, No. 57 blue-</td>
<td>840.00 CY</td>
<td>21,000</td>
<td>2,100</td>
<td>1,848</td>
<td>2,495</td>
<td>136</td>
<td>27,579</td>
<td>32.83</td>
</tr>
<tr>
<td>09. 05.001. 4.03 Fill, top layer, mix of native</td>
<td>840.00 CY</td>
<td>25,200</td>
<td>2,520</td>
<td>2,218</td>
<td>2,994</td>
<td>164</td>
<td>33,095</td>
<td>39.40</td>
</tr>
<tr>
<td>TOTAL Backfilling</td>
<td>3360.00 CY</td>
<td>61,950</td>
<td>6,195</td>
<td>5,452</td>
<td>7,360</td>
<td>402</td>
<td>81,359</td>
<td>24.21</td>
</tr>
</tbody>
</table>

09. 05.001 Planting & Seeding

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>OUM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.001. 5.01 Mulch, hay, 1&quot; deep, power</td>
<td>18.00 ACR</td>
<td>16,087</td>
<td>1,609</td>
<td>1,416</td>
<td>1,911</td>
<td>97</td>
<td>21,127</td>
<td>1173.72</td>
</tr>
<tr>
<td>09. 05.001. 5.02 Crimping, tilling topsoil</td>
<td>18.00 ACR</td>
<td>2,863</td>
<td>286</td>
<td>232</td>
<td>304</td>
<td>19</td>
<td>3,760</td>
<td>208.87</td>
</tr>
<tr>
<td>09. 05.001. 5.03 Seeding, athletic fld mix,</td>
<td>18.00 ACR</td>
<td>54,534</td>
<td>5,453</td>
<td>4,799</td>
<td>6,479</td>
<td>354</td>
<td>71,620</td>
<td>3978.87</td>
</tr>
<tr>
<td>09. 05.001. 5.04 Plant Mesquite/Shrub mix using</td>
<td>3204.00 EA</td>
<td>48,060</td>
<td>4,806</td>
<td>4,229</td>
<td>5,710</td>
<td>312</td>
<td>63,117</td>
<td>19.70</td>
</tr>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>18.00 ACR</td>
<td>121,544</td>
<td>12,154</td>
<td>10,696</td>
<td>14,439</td>
<td>789</td>
<td>159,623</td>
<td>8867.95</td>
</tr>
</tbody>
</table>

09. 05.005 Grade Control Infiltration Basin

LBR ID: A20401  EQUIP ID: NAT99C

Currency in DOLLARS

CREW ID: NAT01A  UPB ID: UP01EA

Wed 12 Oct 2005
Eff. Date 07/19/04

Tri-Service Automated Cost Engineering System (TRACES)
PROJECT PASEO1: Paseo de las Iglesias Peas Study - Los Reals Road to Congress Road
PASEO DE LAS IGLESIAS Feasibility Study Estimate
** PROJECT INDIRECT SUMMARY - Assm Cat **
**PROJECT INDIRECT SUMMARY - Assm Cat**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.005. 1 Fencing for Erosion Control</td>
<td>6.00 ACR</td>
<td>14,556</td>
<td>1,456</td>
<td>1,281</td>
<td>1,729</td>
<td>95</td>
<td>19,116</td>
<td>3185.95</td>
</tr>
<tr>
<td>09. 05.005. 2 Clearing and Grubbing, debris</td>
<td>5.00 ACR</td>
<td>3,611</td>
<td>361</td>
<td>318</td>
<td>429</td>
<td>23</td>
<td>4,742</td>
<td>948.38</td>
</tr>
<tr>
<td>09. 05.005. 3 Excavating, mach exc, sand &amp; gr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 3.01 Stockpile useable cut mat'l</td>
<td>280.00 CY</td>
<td>287</td>
<td>29</td>
<td>25</td>
<td>34</td>
<td>2</td>
<td>377</td>
<td>1.35</td>
</tr>
<tr>
<td>09. 05.005. 3.02 Hauling, surplus cut mat'l, no</td>
<td>840.00 CY</td>
<td>3,148</td>
<td>315</td>
<td>277</td>
<td>374</td>
<td>20</td>
<td>4,135</td>
<td>4.92</td>
</tr>
<tr>
<td>09. 05.005. 3.03 Fill, spread cut mat'l at dump</td>
<td>840.00 CY</td>
<td>745</td>
<td>74</td>
<td>66</td>
<td>88</td>
<td>5</td>
<td>978</td>
<td>1.16</td>
</tr>
<tr>
<td>TOTAL Excavating, mach exc, sand &amp; gr</td>
<td>1120.00 CY</td>
<td>4,180</td>
<td>418</td>
<td>368</td>
<td>497</td>
<td>27</td>
<td>5,490</td>
<td>4.90</td>
</tr>
<tr>
<td>09. 05.005. 4 Compaction at dump site, hl rlr</td>
<td>840.00 CY</td>
<td>247</td>
<td>25</td>
<td>22</td>
<td>29</td>
<td>2</td>
<td>325</td>
<td>0.39</td>
</tr>
<tr>
<td>09. 05.005. 5 Compact basin subgrade, existing</td>
<td>29040.00 CY</td>
<td>64,852</td>
<td>6,485</td>
<td>5,707</td>
<td>7,704</td>
<td>421</td>
<td>85,170</td>
<td>2.93</td>
</tr>
<tr>
<td>09. 05.005. 6 Backfilling</td>
<td>1160.00 CY</td>
<td>21,390</td>
<td>2,139</td>
<td>1,882</td>
<td>2,541</td>
<td>139</td>
<td>28,092</td>
<td>24.22</td>
</tr>
<tr>
<td>09. 05.005. 7 Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 7.01 Mulch, hay, 1&quot; deep, power</td>
<td>6.00 ACR</td>
<td>5,362</td>
<td>536</td>
<td>472</td>
<td>637</td>
<td>35</td>
<td>7,042</td>
<td>1173.72</td>
</tr>
<tr>
<td>09. 05.005. 7.02 Crimping, tilling topsoil</td>
<td>6.00 ACR</td>
<td>954</td>
<td>95</td>
<td>84</td>
<td>113</td>
<td>6</td>
<td>1,253</td>
<td>208.87</td>
</tr>
<tr>
<td>09. 05.005. 7.03 Seeding, athletic fld mix,</td>
<td>6.00 ACR</td>
<td>18,178</td>
<td>1,818</td>
<td>1,600</td>
<td>2,160</td>
<td>118</td>
<td>23,873</td>
<td>3978.87</td>
</tr>
<tr>
<td>TOTAL Planting &amp; Seeding</td>
<td>6.00 ACR</td>
<td>24,945</td>
<td>2,449</td>
<td>2,156</td>
<td>2,910</td>
<td>159</td>
<td>32,169</td>
<td>5361.46</td>
</tr>
<tr>
<td>TOTAL Grade Control Infiltration Basin</td>
<td>1.00 EA</td>
<td>133,331</td>
<td>13,333</td>
<td>11,733</td>
<td>15,840</td>
<td>866</td>
<td>175,103</td>
<td>175102.74</td>
</tr>
<tr>
<td>TOTAL BASINS PLANTING</td>
<td>1.00 EA</td>
<td>556,972</td>
<td>55,697</td>
<td>49,014</td>
<td>66,168</td>
<td>3,618</td>
<td>731,469</td>
<td>731468.90</td>
</tr>
</tbody>
</table>

**PROJECT INDIVIDUALS**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 10 HARDENED BANKS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001 Hardened Slopes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 1 Fencing for Erosion Control</td>
<td>3.50 ACR</td>
<td>11,109</td>
<td>1,111</td>
<td>978</td>
<td>1,320</td>
<td>72</td>
<td>14,589</td>
<td>4168.37</td>
</tr>
<tr>
<td>09. 10.001. 2 Clearing and Grubbing, debris</td>
<td>0.90 ACR</td>
<td>650</td>
<td>65</td>
<td>57</td>
<td>77</td>
<td>4</td>
<td>854</td>
<td>948.38</td>
</tr>
<tr>
<td>09. 10.001. 3 Excavating, prepare slope &amp;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 3.01 Stockpile subgrade cut mat'l for</td>
<td>28200.00 CY</td>
<td>28,911</td>
<td>2,891</td>
<td>2,544</td>
<td>3,435</td>
<td>188</td>
<td>37,968</td>
<td>1.35</td>
</tr>
<tr>
<td>09. 10.001. 3.02 Hauling, no loading, 16.5 cy</td>
<td>18800.00 CY</td>
<td>41,683</td>
<td>4,168</td>
<td>3,668</td>
<td>4,952</td>
<td>271</td>
<td>54,743</td>
<td>2.91</td>
</tr>
<tr>
<td>TOTAL Excavating, prepare slope &amp;</td>
<td>47000.00 CY</td>
<td>70,594</td>
<td>7,059</td>
<td>6,212</td>
<td>8,387</td>
<td>459</td>
<td>92,711</td>
<td>1.97</td>
</tr>
<tr>
<td>09. 10.001. 4 Fill, spread dumped mat'l, by</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 4.01 Compaction, sheepfoot/wobbly</td>
<td>18800.00 CY</td>
<td>5,351</td>
<td>553</td>
<td>487</td>
<td>657</td>
<td>36</td>
<td>7,264</td>
<td>0.39</td>
</tr>
<tr>
<td>09. 10.001. 4.02 Fine grade to 1:1 slope, for</td>
<td>14900.00 CY</td>
<td>6,802</td>
<td>680</td>
<td>599</td>
<td>808</td>
<td>44</td>
<td>8,933</td>
<td>0.60</td>
</tr>
<tr>
<td>TOTAL Fill, spread dumped mat'l, by</td>
<td>18800.00 CY</td>
<td>12,333</td>
<td>1,233</td>
<td>1,085</td>
<td>1,465</td>
<td>80</td>
<td>16,197</td>
<td>0.86</td>
</tr>
<tr>
<td>09. 10.001. 5 Soil Cement application,</td>
<td>61100.00 CY</td>
<td>2,382,900</td>
<td>238,290</td>
<td>209,695</td>
<td>283,089</td>
<td>15,477</td>
<td>3,129,451</td>
<td>51.22</td>
</tr>
</tbody>
</table>

**Project Budget**

- **Total Cost:** $731,469
- **Currency in Dollars:** $731,469
- **Project ID:** AZ0401
- **Equipment ID:** NAT99C
- **Labor ID:** A20401
- **Currency:** DOLLARS
- **Crew ID:** NAT01A
- **UPB ID:** UP01EA
### SUMMARY PAGE 37

#### PROJECT INDIRECT SUMMARY - Assy Cat

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 10.001. 6 Backfill and Compaction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 6.01 Backfill subgrade with cut matl</td>
<td>28200.00 CY</td>
<td>46,316</td>
<td>4,632</td>
<td>4,076</td>
<td>5,502</td>
<td>301</td>
<td>60,826</td>
<td>2.16</td>
</tr>
<tr>
<td>09. 10.001. 6.02 Compaction, sheepfoot/wobbly whl</td>
<td>28200.00 CY</td>
<td>8,296</td>
<td>830</td>
<td>730</td>
<td>986</td>
<td>54</td>
<td>16,896</td>
<td>0.39</td>
</tr>
<tr>
<td><strong>TOTAL Backfill and Compaction</strong></td>
<td>28200.00 CY</td>
<td>54,612</td>
<td>5,461</td>
<td>4,806</td>
<td>6,488</td>
<td>355</td>
<td>71,722</td>
<td>2.54</td>
</tr>
<tr>
<td><strong>TOTAL Hardened Slopes</strong></td>
<td>1.00 EA</td>
<td>2,532,198</td>
<td>253,220</td>
<td>222,833</td>
<td>300,825</td>
<td>16,447</td>
<td>3,325,523</td>
<td>3325523</td>
</tr>
<tr>
<td><strong>TOTAL HARDENED BANKS</strong></td>
<td>1.00 EA</td>
<td>2,532,198</td>
<td>253,220</td>
<td>222,833</td>
<td>300,825</td>
<td>16,447</td>
<td>3,325,523</td>
<td>3325523</td>
</tr>
</tbody>
</table>

#### 09. 15 PIPING

#### 09. 15.001 Irrigation Piping

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 1 Trenching for Delivery Pipe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15.001. 1.01 Delivery pipe trench bedding,</td>
<td>1260.00 CY</td>
<td>62,641</td>
<td>6,264</td>
<td>5,512</td>
<td>7,442</td>
<td>407</td>
<td>82,266</td>
<td>65.29</td>
</tr>
<tr>
<td>09. 15.001. 1.02 Delivery piping, large dia. say</td>
<td>10440.00 LF</td>
<td>206,616</td>
<td>20,662</td>
<td>18,182</td>
<td>24,546</td>
<td>1,342</td>
<td>271,348</td>
<td>25.99</td>
</tr>
<tr>
<td>09. 15.001. 1.03 Backfill delivery pipe trench,</td>
<td>1260.00 CY</td>
<td>21,658</td>
<td>2,166</td>
<td>1,906</td>
<td>2,573</td>
<td>141</td>
<td>28,443</td>
<td>22.57</td>
</tr>
<tr>
<td>09. 15.001. 1.04 Hauling, Delivery pipe surplus</td>
<td>1880.00 CY</td>
<td>4,168</td>
<td>417</td>
<td>367</td>
<td>495</td>
<td>27</td>
<td>5,474</td>
<td>2.91</td>
</tr>
<tr>
<td><strong>TOTAL Trenching for Delivery Pipe</strong></td>
<td>3130.00 CY</td>
<td>295,083</td>
<td>29,508</td>
<td>25,967</td>
<td>35,056</td>
<td>1,917</td>
<td>387,531</td>
<td>123.81</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 2 Trenching for Main Pipe |

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 2.01 Main pipe trench bedding,</td>
<td>1260.00 CY</td>
<td>62,641</td>
<td>6,264</td>
<td>5,512</td>
<td>7,442</td>
<td>407</td>
<td>82,266</td>
<td>65.29</td>
</tr>
<tr>
<td>09. 15.001. 2.02 Main piping, large dia. say</td>
<td>8400.00 CY</td>
<td>234,231</td>
<td>23,431</td>
<td>20,931</td>
<td>27,431</td>
<td>1,571</td>
<td>318,601</td>
<td>25.99</td>
</tr>
<tr>
<td>09. 15.001. 2.03 Backfill Main pipe trench,</td>
<td>1260.00 CY</td>
<td>21,658</td>
<td>2,166</td>
<td>1,906</td>
<td>2,573</td>
<td>141</td>
<td>28,443</td>
<td>22.57</td>
</tr>
<tr>
<td>09. 15.001. 2.04 Hauling, Main pipe surplus</td>
<td>1880.00 CY</td>
<td>4,168</td>
<td>417</td>
<td>367</td>
<td>495</td>
<td>27</td>
<td>5,474</td>
<td>2.91</td>
</tr>
<tr>
<td><strong>TOTAL Trenching for Main Pipe</strong></td>
<td>21000.00 CY</td>
<td>1,974,692</td>
<td>197,469</td>
<td>173,773</td>
<td>234,593</td>
<td>12,826</td>
<td>2,593,353</td>
<td>123.49</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 3 Trenching for Sub-main Pipe |

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 3.01 Sub-main pipe trench bedding,</td>
<td>3370.00 CY</td>
<td>167,540</td>
<td>16,754</td>
<td>14,744</td>
<td>19,904</td>
<td>1,088</td>
<td>220,029</td>
<td>65.29</td>
</tr>
<tr>
<td>09. 15.001. 3.02 Sub-main piping, large dia. say</td>
<td>3370.00 CY</td>
<td>167,540</td>
<td>16,754</td>
<td>14,744</td>
<td>19,904</td>
<td>1,088</td>
<td>220,029</td>
<td>65.29</td>
</tr>
<tr>
<td>09. 15.001. 3.03 Backfill Sub-main pipe trench,</td>
<td>3370.00 CY</td>
<td>167,540</td>
<td>16,754</td>
<td>14,744</td>
<td>19,904</td>
<td>1,088</td>
<td>220,029</td>
<td>65.29</td>
</tr>
<tr>
<td>09. 15.001. 3.04 Hauling, Sub-main pipe surplus</td>
<td>3370.00 CY</td>
<td>167,540</td>
<td>16,754</td>
<td>14,744</td>
<td>19,904</td>
<td>1,088</td>
<td>220,029</td>
<td>65.29</td>
</tr>
<tr>
<td><strong>TOTAL Trenching for Sub-main Pipe</strong></td>
<td>8420.00 CY</td>
<td>524,737</td>
<td>52,474</td>
<td>46,177</td>
<td>62,339</td>
<td>3,408</td>
<td>689,135</td>
<td>81.85</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 4 Trenching for Culvert CMP |

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 4.01 Culvert trench bedding,</td>
<td>4200.00 CY</td>
<td>208,803</td>
<td>20,880</td>
<td>18,375</td>
<td>24,806</td>
<td>1,356</td>
<td>274,221</td>
<td>65.29</td>
</tr>
<tr>
<td>09. 15.001. 4.02 Install 24&quot; dia. CMP Culvert for</td>
<td>23600.00 LF</td>
<td>449,438</td>
<td>44,944</td>
<td>39,551</td>
<td>53,393</td>
<td>2,919</td>
<td>590,245</td>
<td>25.01</td>
</tr>
<tr>
<td>09. 15.001. 4.03 Backfill trench, PE Loader,</td>
<td>4200.00 CY</td>
<td>72,193</td>
<td>7,219</td>
<td>6,353</td>
<td>8,577</td>
<td>469</td>
<td>94,811</td>
<td>22.57</td>
</tr>
</tbody>
</table>

**LABOR ID: AZ0401**  **EQUIP ID: NAT99C**

**Currency in DOLLARS**  **CREW ID: NAT01A**  **UPB ID: UP01EA**
** PROJECT INDIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 15.001. 4.04 Hauling, Sub-main pipe surplus</td>
<td>6300.00 CY</td>
<td>13,968</td>
<td>1,397</td>
<td>1,229</td>
<td>1,659</td>
<td>91</td>
<td>18,345</td>
</tr>
</tbody>
</table>

** TOTAL Trenching for Culvert CMP **
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20 ROADS &amp; BRIDGES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001 Compacted Earth Maintenance Road</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001. 1 Clearing &amp; Grubbing, debris</td>
<td>8.30 ACR</td>
<td>5,994</td>
<td>599</td>
<td>527</td>
<td>712</td>
<td>39</td>
<td>7,872</td>
</tr>
</tbody>
</table>

** TOTAL Clearing & Grubbing, debris **
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.001. 2 Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001. 2.01 Ripping, discing to prepare</td>
<td>8.30 ACR</td>
<td>104</td>
<td>10</td>
<td>9</td>
<td>12</td>
<td>1</td>
<td>136</td>
</tr>
<tr>
<td>09. 20.001. 2.02 Regrade, flatten, balance cut</td>
<td>2020.00 CY</td>
<td>973</td>
<td>97</td>
<td>86</td>
<td>116</td>
<td>6</td>
<td>1,278</td>
</tr>
<tr>
<td>09. 20.001. 2.03 Compaction, riding, sheepfoot/</td>
<td>40260.00 SY</td>
<td>11,844</td>
<td>1,184</td>
<td>1,042</td>
<td>1,407</td>
<td>77</td>
<td>15,555</td>
</tr>
</tbody>
</table>

** TOTAL Site Preparation **
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.002 Paved Maintenance Roads</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.002. 1 Clearing &amp; Grubbing, debris</td>
<td>9.00 ACR</td>
<td>6,499</td>
<td>650</td>
<td>572</td>
<td>772</td>
<td>42</td>
<td>8,535</td>
</tr>
</tbody>
</table>

** TOTAL Clearing & Grubbing, debris **
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.002. 2 Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.002. 2.01 Ripping, discing to prepare</td>
<td>18.00 ACR</td>
<td>225</td>
<td>22</td>
<td>20</td>
<td>27</td>
<td>1</td>
<td>295</td>
</tr>
<tr>
<td>09. 20.002. 2.02 Regrade, flatten, balance cut</td>
<td>21880.00 CY</td>
<td>10,542</td>
<td>1,054</td>
<td>928</td>
<td>1,252</td>
<td>68</td>
<td>13,844</td>
</tr>
<tr>
<td>09. 20.002. 2.03 Compaction, riding, sheepfoot/</td>
<td>86820.00 SY</td>
<td>25,542</td>
<td>2,554</td>
<td>2,248</td>
<td>3,034</td>
<td>166</td>
<td>33,545</td>
</tr>
<tr>
<td>09. 20.002. 2.04 Asphalt Concrete Paving,</td>
<td>781310.00 SF</td>
<td>1,012,457</td>
<td>101,246</td>
<td>89,096</td>
<td>120,280</td>
<td>6,576</td>
<td>1,329,654</td>
</tr>
</tbody>
</table>

** TOTAL Site Preparation **
<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.003 Gravel Maintenance Road</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.003 Clearing &amp; Grubbing, debris</td>
<td>18.00 ACR</td>
<td>1,055,265</td>
<td>105,527</td>
<td>92,863</td>
<td>125,365</td>
<td>6,854</td>
<td>1,385,874</td>
</tr>
</tbody>
</table>

LABOR ID: A50401 EQUIP ID: NAT99C Currency in DOLLARS CREW ID: NAT01A UPB ID: UP01EA
**PROJECT INDIRECT SUMMARY - Assm Cat**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.003. 1</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>4.10 ACR</td>
<td>2,961</td>
<td>296</td>
<td>261</td>
<td>352</td>
<td>19</td>
<td>3,888</td>
</tr>
<tr>
<td><strong>TOTAL Clearing &amp; Grubbing, debris</strong></td>
<td>4.10 ACR</td>
<td>2,961</td>
<td>296</td>
<td>261</td>
<td>352</td>
<td>19</td>
<td>3,888</td>
<td>948.38</td>
</tr>
<tr>
<td>09. 20.003. 2</td>
<td>Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 2.01</td>
<td>Ripping, discing to prepare</td>
<td>8.20 ACR</td>
<td>102</td>
<td>10</td>
<td>9</td>
<td>12</td>
<td>1</td>
<td>135</td>
</tr>
<tr>
<td>09. 20.003. 2.02</td>
<td>Regrade, flatten, balance cut</td>
<td>1980.00 CY</td>
<td>954</td>
<td>95</td>
<td>84</td>
<td>113</td>
<td>6</td>
<td>1,253</td>
</tr>
<tr>
<td>09. 20.003. 2.03</td>
<td>Compaction, riding, sheepfoot/</td>
<td>39530.00 SY</td>
<td>133,987</td>
<td>13,399</td>
<td>11,791</td>
<td>15,918</td>
<td>870</td>
<td>175,964</td>
</tr>
<tr>
<td>09. 20.003. 2.04</td>
<td>Gravel course, crushed 3/4&quot;</td>
<td>39530.00 SY</td>
<td>133,987</td>
<td>13,399</td>
<td>11,791</td>
<td>15,918</td>
<td>870</td>
<td>175,964</td>
</tr>
<tr>
<td><strong>TOTAL Site Preparation</strong></td>
<td>8.20 ACR</td>
<td>146,673</td>
<td>14,667</td>
<td>12,907</td>
<td>17,425</td>
<td>953</td>
<td>192,625</td>
<td>23490.85</td>
</tr>
<tr>
<td><strong>TOTAL Gravel Maintenance Road</strong></td>
<td>8.20 ACR</td>
<td>149,634</td>
<td>14,963</td>
<td>13,168</td>
<td>17,776</td>
<td>972</td>
<td>196,513</td>
<td>23965.04</td>
</tr>
<tr>
<td>09. 20.005</td>
<td>Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 1</td>
<td>Fencing for Erosion Control</td>
<td>9.00 ACR</td>
<td>17,831</td>
<td>1,783</td>
<td>1,569</td>
<td>2,118</td>
<td>116</td>
<td>23,418</td>
</tr>
<tr>
<td>09. 20.005. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>7.00 ACR</td>
<td>5,055</td>
<td>505</td>
<td>445</td>
<td>601</td>
<td>33</td>
<td>6,639</td>
</tr>
<tr>
<td>09. 20.005. 3</td>
<td>Excavating, structural, sand/</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 3.01</td>
<td>Hauling, no loading, 16.5 cy</td>
<td>3366.00 CY</td>
<td>7,463</td>
<td>746</td>
<td>657</td>
<td>887</td>
<td>48</td>
<td>9,801</td>
</tr>
<tr>
<td>09. 20.005. 3.02</td>
<td>Fill, spread dumped matl, by</td>
<td>3366.00 CY</td>
<td>1,774</td>
<td>177</td>
<td>156</td>
<td>211</td>
<td>12</td>
<td>2,329</td>
</tr>
<tr>
<td>09. 20.005. 3.03</td>
<td>Compaction, sheepfoot/wobbly</td>
<td>3060.00 CY</td>
<td>900</td>
<td>90</td>
<td>79</td>
<td>107</td>
<td>6</td>
<td>1,182</td>
</tr>
<tr>
<td><strong>TOTAL Excavating, structural, sand/</strong></td>
<td>3060.00 CY</td>
<td>10,137</td>
<td>1,014</td>
<td>892</td>
<td>1,204</td>
<td>66</td>
<td>13,313</td>
<td>4.35</td>
</tr>
<tr>
<td>09. 20.005. 4</td>
<td>Cast in Place reinforced concre</td>
<td>3060.00 CY</td>
<td>383,516</td>
<td>38,352</td>
<td>33,749</td>
<td>45,562</td>
<td>2,491</td>
<td>503,669</td>
</tr>
<tr>
<td>09. 20.005. 5</td>
<td>Finished grading, tie in, stabl.</td>
<td>9.00 ACR</td>
<td>30,592</td>
<td>3,059</td>
<td>2,692</td>
<td>3,634</td>
<td>199</td>
<td>40,177</td>
</tr>
<tr>
<td>09. 20.005. 6</td>
<td>Prefab Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 6.01</td>
<td>Prefab Bridges (9 ea)</td>
<td>602,589</td>
<td>60,259</td>
<td>53,028</td>
<td>71,588</td>
<td>3,914</td>
<td>791,377</td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 6.02</td>
<td>Unloading and Erection</td>
<td>8090.00 SF</td>
<td>86,053</td>
<td>8,605</td>
<td>7,573</td>
<td>10,223</td>
<td>559</td>
<td>113,013</td>
</tr>
<tr>
<td><strong>TOTAL Prefab Bridges</strong></td>
<td>9.00 EA</td>
<td>688,642</td>
<td>68,864</td>
<td>60,601</td>
<td>81,811</td>
<td>4,473</td>
<td>904,390</td>
<td>100487.83</td>
</tr>
<tr>
<td><strong>TOTAL Bridges</strong></td>
<td>1.00 EA</td>
<td>1,135,773</td>
<td>113,577</td>
<td>99,948</td>
<td>134,930</td>
<td>7,377</td>
<td>1,491,605</td>
<td>1491605</td>
</tr>
<tr>
<td><strong>TOTAL ROADS &amp; BRIDGES</strong></td>
<td>1.00 EA</td>
<td>2,359,587</td>
<td>235,959</td>
<td>207,644</td>
<td>280,319</td>
<td>15,326</td>
<td>3,098,834</td>
<td>3098834</td>
</tr>
<tr>
<td>09. 25</td>
<td>LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001</td>
<td>Let Down Structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>2.50 ACR</td>
<td>9,400</td>
<td>940</td>
<td>827</td>
<td>1,117</td>
<td>61</td>
<td>12,345</td>
</tr>
<tr>
<td>09. 25.001. 2</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>1.90 ACR</td>
<td>1,372</td>
<td>137</td>
<td>121</td>
<td>163</td>
<td>9</td>
<td>1,802</td>
</tr>
<tr>
<td>QUANTITY UOM</td>
<td>DIRECT</td>
<td>OVERHEAD</td>
<td>HOME OFC</td>
<td>PROFIT</td>
<td>BOND</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>--------</td>
<td>----------</td>
<td>----------</td>
<td>--------</td>
<td>------</td>
<td>------------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>Prep (excav) slope to receive</td>
<td>500.00 CY</td>
<td>750</td>
<td>75</td>
<td>66</td>
<td>89</td>
<td>5</td>
<td>985</td>
<td>1.97</td>
</tr>
<tr>
<td>Install 30&quot; dia CMP, 200 lf per</td>
<td>1000.00 LF</td>
<td>40,094</td>
<td>4,009</td>
<td>3,528</td>
<td>4,763</td>
<td>260</td>
<td>52,655</td>
<td>52.66</td>
</tr>
<tr>
<td>Install wingwall deflectors on</td>
<td>10.00 EA</td>
<td>30,000</td>
<td>3,000</td>
<td>2,640</td>
<td>3,564</td>
<td>195</td>
<td>39,399</td>
<td>3939.89</td>
</tr>
<tr>
<td>TOTAL 30&quot; Pipe Laying</td>
<td>1000.00 LF</td>
<td>77,551</td>
<td>7,755</td>
<td>6,825</td>
<td>9,213</td>
<td>504</td>
<td>101,848</td>
<td>101.85</td>
</tr>
<tr>
<td>Hauling, no loading, 16.5 cy</td>
<td>30000.00 CY</td>
<td>66,516</td>
<td>6,652</td>
<td>5,853</td>
<td>7,902</td>
<td>432</td>
<td>87,355</td>
<td>2.91</td>
</tr>
<tr>
<td>Fill, spread dumped matl, by</td>
<td>30000.00 CY</td>
<td>19,500</td>
<td>1,950</td>
<td>1,716</td>
<td>2,317</td>
<td>127</td>
<td>25,609</td>
<td>0.85</td>
</tr>
<tr>
<td>Compaction, sheepfoot/wobbly</td>
<td>30000.00 CY</td>
<td>8,826</td>
<td>883</td>
<td>777</td>
<td>1,049</td>
<td>57</td>
<td>11,591</td>
<td>0.39</td>
</tr>
<tr>
<td>Fine grade filled area, for</td>
<td>2.50 ACR</td>
<td>5,445</td>
<td>545</td>
<td>479</td>
<td>647</td>
<td>35</td>
<td>7,151</td>
<td>2860.36</td>
</tr>
<tr>
<td>TOTAL Backfilling &amp; Compaction</td>
<td>30000.00 CY</td>
<td>100,287</td>
<td>10,029</td>
<td>8,825</td>
<td>11,914</td>
<td>651</td>
<td>131,706</td>
<td>4.39</td>
</tr>
<tr>
<td>Mulching, hay, 1&quot; deep, power</td>
<td>2.10 ACR</td>
<td>1,877</td>
<td>188</td>
<td>165</td>
<td>223</td>
<td>12</td>
<td>2,465</td>
<td>1173.72</td>
</tr>
<tr>
<td>Seeding, athletic fld mix,</td>
<td>2.40 ACR</td>
<td>7,271</td>
<td>727</td>
<td>640</td>
<td>864</td>
<td>47</td>
<td>9,549</td>
<td>3978.87</td>
</tr>
<tr>
<td>Place Coarse Woody debris/rocks</td>
<td>2.10 ACR</td>
<td>1,586</td>
<td>159</td>
<td>140</td>
<td>188</td>
<td>10</td>
<td>2,082</td>
<td>991.66</td>
</tr>
<tr>
<td>Plant Mesquite/Shrub mix using</td>
<td>1125.00 EA</td>
<td>16,875</td>
<td>1,688</td>
<td>1,485</td>
<td>2,005</td>
<td>110</td>
<td>22,162</td>
<td>19.70</td>
</tr>
<tr>
<td>TOTAL Planting and Seeding</td>
<td>2.10 ACR</td>
<td>27,943</td>
<td>2,794</td>
<td>2,459</td>
<td>3,320</td>
<td>81</td>
<td>36,697</td>
<td>17474.79</td>
</tr>
<tr>
<td>Parking Areas</td>
<td>1.00 EA</td>
<td>217,303</td>
<td>21,730</td>
<td>19,123</td>
<td>25,816</td>
<td>1,411</td>
<td>285,383</td>
<td>285382.98</td>
</tr>
<tr>
<td>TOTAL Let Down Structures</td>
<td>1.00 EA</td>
<td>217,303</td>
<td>21,730</td>
<td>19,123</td>
<td>25,816</td>
<td>1,411</td>
<td>285,383</td>
<td>285382.98</td>
</tr>
<tr>
<td>TOTAL CONSTRUCTION (RESTORATION)</td>
<td>1.00 EA</td>
<td>35,942,852</td>
<td>3,594,285</td>
<td>3,162,971</td>
<td>4,270,011</td>
<td>233,451</td>
<td>47,203,570</td>
<td>47203570</td>
</tr>
</tbody>
</table>

14 RECREATION
14. 30 RECREATION FEATURES
14. 30.001 Parking Areas
14. 30.001. 1 Fencing for Erosion Control
14. 30.001. 2 Clearing & Grubbing, debris
14. 30.001. 3 Site Preparation
14. 30.001. 3.01 Ripping, discing to prepare
14. 30.001. 3.02 Regrade to req'd slopes, flatten
**PROJECT INDIRECT SUMMARY - Assm Cat**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.001. 3.03</td>
<td>Regrade surface, scraper-grader,</td>
<td>CY</td>
<td>4410.00</td>
<td>9,587</td>
<td>959</td>
<td>844</td>
<td>1,139</td>
<td>62</td>
</tr>
<tr>
<td>14. 30.001. 3.04</td>
<td>Compaction, riding, sheepfoot</td>
<td>SY</td>
<td>8810.00</td>
<td>2,592</td>
<td>259</td>
<td>228</td>
<td>308</td>
<td>17</td>
</tr>
<tr>
<td>14. 30.001. 3.05</td>
<td>Fine grade, grade subgrade for</td>
<td>CY</td>
<td>8810.00</td>
<td>4,731</td>
<td>473</td>
<td>416</td>
<td>562</td>
<td>31</td>
</tr>
</tbody>
</table>

**TOTAL Site Preparation**

- 1.80 ACR
- 1,694 DIRECT
- 1,491 OVERHEAD
- 1,491 HOME OFC
- 2,013 PROFIT
- 110 BOND
- 22,249 TOTAL COST
- 12360.60 UNIT COST

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>
| 14. 30.005  Decomposed Granite Trails

14. 30.005. 1 | Clearing & Grubbing, debris | ACR | 1,444 | 144 | 127 | 172 | 9 | 1,897 | 948.38 |

**TOTAL Clearing & Grubbing, debris**

- 2.00 ACR
- 1,897 DIRECT
- 164 OVERHEAD
- 164 HOME OFC
- 172 PROFIT
- 9 BOND
- 2,048 TOTAL COST
- 1024.00 UNIT COST

14. 30.05  Decomposed Granite Trails

14. 30.05. 3.01 | Material and Delivery | TON | 3830.00 | 114,900 | 11,490 | 10,111 | 13,650 | 746 | 150,898 | 39.40 |

**TOTAL Decomposed Granite course,**

- 275740.00 SF
- 122,006 DIRECT
- 12,201 OVERHEAD
- 12,201 HOME OFC
- 10,737 PROFIT
- 792 BOND
- 160,230 TOTAL COST
- 0.58 UNIT COST

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
</table>
| 14. 30.010  Other Recreation Features

14. 30.010. 1 | Paved Trail amenities, curb | EA | 10,000 | 1,000 | 880 | 1,188 | 65 | 13,133 | 13132.95 |

**TOTAL Other Recreation Features**

- 340,494 EA
- 34,049 DIRECT
- 29,963 OVERHEAD
- 29,963 HOME OFC
- 40,451 PROFIT
- 2,212 BOND
- 447,169 TOTAL COST
- 447168.94 UNIT COST
** PROJECT INDIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL RECREATION FEATURES</td>
<td>1.00 EA</td>
<td>650,741</td>
<td>65,074</td>
<td>57,265</td>
<td>77,308</td>
<td>4,227</td>
<td>854,615</td>
</tr>
<tr>
<td>TOTAL RECREATION</td>
<td>1.00 EA</td>
<td>650,741</td>
<td>65,074</td>
<td>57,265</td>
<td>77,308</td>
<td>4,227</td>
<td>854,615</td>
</tr>
</tbody>
</table>

30 PLANNING, ENGINEERING, DESIGN

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.009 Construction</td>
<td>1.00 EA</td>
<td>5,120,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,120,000</td>
</tr>
<tr>
<td>30.014 Recreation</td>
<td>1.00 EA</td>
<td>95,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>95,285</td>
</tr>
<tr>
<td>TOTAL PLANNING, ENGINEERING, DESIGN</td>
<td>1.00 EA</td>
<td>5,215,285</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
</tr>
</tbody>
</table>

31 CONSTRUCTION MANAGEMENT

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.009 Construction (Restoration)</td>
<td>1.00 EA</td>
<td>5,980,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
</tr>
<tr>
<td>31.014 Recreation</td>
<td>1.00 EA</td>
<td>63,879</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>63,879</td>
</tr>
<tr>
<td>TOTAL CONSTRUCTION MANAGEMENT</td>
<td>1.00 EA</td>
<td>6,043,879</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
</tr>
</tbody>
</table>

TOTAL Paseo de las Iglesias Feas Study

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>DIRECT</th>
<th>OVERHEAD</th>
<th>HOME OFC</th>
<th>PROFIT</th>
<th>BOND</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>74,052,757</td>
<td>3,659,359</td>
<td>3,220,236</td>
<td>4,347,319</td>
<td>237,678</td>
<td>85,517,349</td>
<td>85517349</td>
</tr>
</tbody>
</table>

ESCALATION

| | 4,953,123 |
| SUBTOTAL |
| 90,470,472 |
| CONTINGENCY |
| 7,118,185 |
| TOTAL INCL OWNER COSTS |
| 97,588,657 |
** PROJECT DIRECT SUMMARY - Scope **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26,200,000</td>
</tr>
<tr>
<td>09</td>
<td>CONSTRUCTION (RESTORATION)</td>
<td>1.00 EA</td>
<td>343,303</td>
<td>10546426</td>
<td>4813116</td>
<td>12682559</td>
<td>7,900,751</td>
<td>35,942,852</td>
</tr>
<tr>
<td>14</td>
<td>RECREATION</td>
<td>1.00 EA</td>
<td>912</td>
<td>36,367</td>
<td>32,498</td>
<td>120,476</td>
<td>461,400</td>
<td>650,741</td>
</tr>
<tr>
<td>30</td>
<td>PLANNING, ENGINEERING, DESIGN</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5,215,285</td>
</tr>
<tr>
<td>31</td>
<td>CONSTRUCTION MANAGEMENT</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td>6,043,879</td>
</tr>
</tbody>
</table>

TOTAL Paseo de las Iglesias Feas Study 1.00 EA 344,214 10582793 4845615 12803035 45,821,315 74,052,757 74052757

OVERHEAD

SUBTOTAL

HOME OFC

SUBTOTAL

PROFIT

SUBTOTAL

BOND

TOTAL INCL INDIRECTS

ESCALATION

SUBTOTAL

CONTINGENCY

TOTAL INCL OWNER COSTS

3,659,359

77,712,116

3,226,236

80,932,352

4,347,319

85,279,671

237,678

85,517,349

4,953,123

90,470,472

7,118,185

97,588,657

L circuits: AZ0401

EQUIP ID: NAT99C

Currency in DOLLARS

CREW ID: NAT01A

UPB ID: UP01EA
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26200000</td>
</tr>
<tr>
<td>09</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,737,876</td>
<td>26737876</td>
</tr>
<tr>
<td>09.01</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,737,876</td>
<td>26737876</td>
</tr>
<tr>
<td>09.05</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,737,876</td>
<td>26737876</td>
</tr>
<tr>
<td>09.10</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,737,876</td>
<td>26737876</td>
</tr>
<tr>
<td>09.15</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,737,876</td>
<td>26737876</td>
</tr>
<tr>
<td>09.20</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,737,876</td>
<td>26737876</td>
</tr>
<tr>
<td>09.25</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,737,876</td>
<td>26737876</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,737,876</td>
<td>26737876</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,120,000</td>
<td>5120000</td>
</tr>
<tr>
<td>14.30</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>650,741</td>
<td>650741.37</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,770,741</td>
<td>5770741.37</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5215285</td>
</tr>
<tr>
<td>30.009</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5215285</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5215285</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
<td>5980000</td>
</tr>
<tr>
<td>31.009</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
<td>5980000</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
<td>5980000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERHEAD</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3,659,359</td>
<td>3659359</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBTOTAL</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>77,712,116</td>
<td>77712116</td>
</tr>
<tr>
<td>HOME OFC</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3,220,236</td>
<td>3220236</td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>80,932,352</td>
<td>80932352</td>
</tr>
<tr>
<td>PROFIT</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4,347,319</td>
<td>4347319</td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>85,279,671</td>
<td>85279671</td>
</tr>
<tr>
<td>BOND</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>237,678</td>
<td>237678</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>85,517,349</td>
<td>85517349</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESCALATION</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4,953,123</td>
<td>4953123</td>
</tr>
</tbody>
</table>

CURRENCY IN DOLLARS

LABOR ID: A50401 EQUIP ID: NAT99C

CREW ID: NAT01A UPB ID: UP01EA
** PROJECT DIRECT SUMMARY - Facility **

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBTOTAL</td>
<td></td>
<td></td>
<td></td>
<td>90,470,472</td>
<td></td>
</tr>
<tr>
<td>CONTINGENCY</td>
<td></td>
<td></td>
<td></td>
<td>7,118,185</td>
<td></td>
</tr>
<tr>
<td>TOTAL INCL OWNER COSTS</td>
<td></td>
<td></td>
<td></td>
<td>97,588,657</td>
<td></td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UOM</td>
<td>MANHRS</td>
<td>LABOR</td>
<td>EQUIPMENT</td>
<td>MATERIAL</td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
<td>--------</td>
<td>-------</td>
<td>-----------</td>
<td>----------</td>
</tr>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>87,267</td>
<td>222,5592</td>
<td>658,160</td>
<td>280,2300</td>
</tr>
<tr>
<td>09 CONSTRUCTION (RESTORATION)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01 IRRIGATION PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.001 Historic Floodplain</td>
<td>1.00 EA</td>
<td>115,227</td>
<td>338,467</td>
<td>301,767</td>
<td>168,813</td>
</tr>
<tr>
<td>09. 01.010 Natural Slope</td>
<td>1.00 EA</td>
<td>62,207</td>
<td>193,987</td>
<td>176,205</td>
<td>191,672</td>
</tr>
<tr>
<td>09. 020 First Bench</td>
<td>1.00 EA</td>
<td>12,967</td>
<td>365,280</td>
<td>127,972</td>
<td>375,017</td>
</tr>
<tr>
<td>09. 01.05 Grade Control Infiltration Basin</td>
<td>1.00 EA</td>
<td>14,082</td>
<td>317,937</td>
<td>18,040</td>
<td>89,594</td>
</tr>
<tr>
<td>09. 01.05 Hardened Slopes</td>
<td>1.00 EA</td>
<td>2,422</td>
<td>801,347</td>
<td>686,566</td>
<td>104,428</td>
</tr>
<tr>
<td>09. 15 PIPING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15.001 Irrigation Piping</td>
<td>1.00 EA</td>
<td>26,572</td>
<td>804,650</td>
<td>75,147</td>
<td>265,911</td>
</tr>
<tr>
<td>09. 20 ROADS &amp; BRIDGES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001 Compact Earth Maintenance Road</td>
<td>8.30 ACR</td>
<td>331</td>
<td>9,353</td>
<td>9,562</td>
<td></td>
</tr>
<tr>
<td>09. 25 LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001 Let Down Structures</td>
<td>1.00 EA</td>
<td>1,910</td>
<td>48,112</td>
<td>55,230</td>
<td>40,691</td>
</tr>
</tbody>
</table>

LABOR ID: A50401 EQUIP ID: NAT99C

Currency in DOLLARS

CREW ID: NAT01A UB ID: UP01EA
**PROJECT DIRECT SUMMARY - System**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>EA</td>
<td>48,812</td>
<td>55,230</td>
<td>40,691</td>
<td>72,570</td>
<td>217,303</td>
<td>217303.02</td>
</tr>
<tr>
<td><strong>TOTAL LET DOWN STRUCTURES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>343,303</td>
<td>10546426</td>
<td>4813116</td>
<td>12682559</td>
<td>7,900,751</td>
<td>35,942,852</td>
</tr>
<tr>
<td><strong>TOTAL CONSTRUCTION (RESTORATION)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>912</td>
<td>36,367</td>
<td>32,498</td>
<td>120,476</td>
<td>461,400</td>
<td>650,741</td>
</tr>
<tr>
<td><strong>TOTAL RECREATION FEATURES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>912</td>
<td>36,367</td>
<td>32,498</td>
<td>120,476</td>
<td>461,400</td>
<td>650,741</td>
</tr>
<tr>
<td><strong>TOTAL RECREATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,120,000</td>
<td>5120000</td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>95,285</td>
<td>95285.00</td>
</tr>
<tr>
<td><strong>TOTAL PLANNING, ENGINEERING, DESIGN</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td>6043879</td>
</tr>
<tr>
<td><strong>TOTAL CONSTRUCTION MANAGEMENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>EA</td>
<td>344,214</td>
<td>10582793</td>
<td>4845615</td>
<td>12803035</td>
<td>45,821,315</td>
<td>74,052,757</td>
</tr>
<tr>
<td><strong>OVERHEAD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HOME OFC</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PROFIT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BOND</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL INCL INDIRECTS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ESCALATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CONTINGENCY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Paseo de las Iglesias Feas Study**

<table>
<thead>
<tr>
<th>LABOR ID: A50401</th>
<th>EQUIP ID: NAT99C</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREW ID: NAT01A</td>
<td>UPB ID: UP01EA</td>
</tr>
</tbody>
</table>

Currency in DOLLARS
** PROJECT DIRECT SUMMARY - System **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL INCL OWNER COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>97,588,657</td>
<td></td>
</tr>
</tbody>
</table>
### QUANTITY UOM | MANHRS | LABOR EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST
---|---|---|---|---|---|---

**PROJECT DIRECT SUMMARY - Subsystm**

### Summary of Construction Project Costs:

- **Lands and Damages (Real Estate)**
  - Quantity: 1.00 EA
  - Unit Cost: 26,200,000
  - Total Cost: 26,200,000

### Construction (Restoration)

- **09. 01.001 Historic Floodplain**
  - **09. 01.001.1 Fencing for Erosion Control**
    - Quantity: 3,421
    - Unit Cost: 76,555
    - Total Cost: 232.13
  - **09. 01.001.2 Clearing & Grubbing, Debris**
    - Quantity: 9,338
    - Unit Cost: 202,076
    - Total Cost: 1444.28
  - **09. 01.001.3 Site Preparation**
    - Quantity: 346
    - Unit Cost: 10,505
    - Total Cost: 32950.50
  - **09. 01.001.4 Excavation**
    - Quantity: 176990.00 CY
    - Unit Cost: 6,850
    - Total Cost: 1.93
  - **09. 01.001.5 Compaction (tractor wheel, one**
    - Quantity: 3561940 LF
    - Unit Cost: 6,918
    - Total Cost: 0.12
  - **09. 01.001.6 Trenching for Water Supply Pipes**
    - Quantity: 17050.00 CY
    - Unit Cost: 355
    - Total Cost: 1.32
  - **09. 01.001.7 Pipe bedding, crushed stone**
    - Quantity: 13,110.00 CY
    - Unit Cost: 1,210
    - Total Cost: 49.72
  - **09. 01.001.8 Install gated 12" PVC pipe for**
    - Quantity: 114720.00 LF
    - Unit Cost: 9,178
    - Total Cost: 773,155
  - **09. 01.001.9 Install "U" outlet tubes with**
    - Quantity: 1,667
    - Unit Cost: 55,638
    - Total Cost: 9.51
  - **09. 01.001.10 Backfill pipe trench, side cast**
    - Quantity: 24
    - Unit Cost: 1,064
    - Total Cost: 0.39
  - **09. 01.001.11 Planting & Seeding**
    - Quantity: 47,960
    - Unit Cost: 306,245
    - Total Cost: 11,930.50
  - **Total Historic Floodplain**
    - Quantity: 87,267
    - Unit Cost: 2225592
    - Total Cost: 9,584,651

- **09. 01.005 Graded Slope**
  - **09. 01.005.1 Fencing for Erosion Control**
    - Quantity: 1,349
    - Unit Cost: 12,680
    - Total Cost: 533.85
  - **09. 01.005.2 Clearing and Grubbing, debris**
    - Quantity: 6,944
    - Unit Cost: 202,076
    - Total Cost: 3,520,287
  - **09. 01.005.3 Excavation, strl, mach excav.**
    - Quantity: 47,201
    - Unit Cost: 129,6750
    - Total Cost: 2,208,154
  - **09. 01.005.4 Excavation, steep slopes, 5:1**
    - Quantity: 5,324
    - Unit Cost: 149,044
    - Total Cost: 169,921
  - **09. 01.005.5 Fine grading to 20% slope,**
    - Quantity: 1213390 CY
    - Unit Cost: 47,201
    - Total Cost: 2,208,154
  - **09. 01.005.6 Header Pipe Laying**
    - Quantity: 7,106
    - Unit Cost: 243,044
    - Total Cost: 6,657,218
  - **09. 01.005.7 8" PVC Leach Pipe Laying**
    - Quantity: 41,929
    - Unit Cost: 1375303
    - Total Cost: 3,077,888
  - **09. 01.005.8 Planting & Seeding**
    - Quantity: 1,456
    - Unit Cost: 53,097
    - Total Cost: 11,287.54
  - **Total Graded Slope**
    - Quantity: 115,227
    - Unit Cost: 3384869
    - Total Cost: 9,887,743

- **09. 01.010 Natural Slope**
  - **09. 01.010.1 Fencing for Erosion Control**
    - Quantity: 567
    - Unit Cost: 12,680
    - Total Cost: 1401.27
  - **09. 01.010.2 Clearing and Grubbing, debris**
    - Quantity: 185
    - Unit Cost: 4,005
    - Total Cost: 722.14
  - **09. 01.010.3 Reader Trenching**
    - Quantity: 160
    - Unit Cost: 14,939
    - Total Cost: 2209.45
  - **09. 01.010.4 8" PVC Leach Pipe Laying**
    - Quantity: 984
    - Unit Cost: 8,995
    - Total Cost: 16,966
  - **09. 01.010.5 Planting & Seeding**
    - Quantity: 1,456
    - Unit Cost: 53,097
    - Total Cost: 11,287.54
  - **Total Natural Slope**
    - Quantity: 9,473
    - Unit Cost: 298,169
    - Total Cost: 8887743

- **09. 01.15 Second Bench**
  - **09. 01.15.1 Fencing for Erosion Control**
    - Quantity: 1,487
    - Unit Cost: 32,918
    - Total Cost: 533.85

**Currency in DOLLARS**

---

**Labor ID: A50401**  **Equipment ID: NAT99C**

---

**Summary Page 49**
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.015. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>93.00 ACR</td>
<td>1,324</td>
<td>38,511</td>
<td>28,648</td>
<td>0</td>
<td>0</td>
<td>67,159</td>
</tr>
<tr>
<td>09. 01.015. 3</td>
<td>Header Trenching</td>
<td>8080.00 LF</td>
<td>852</td>
<td>28,236</td>
<td>1,744</td>
<td>79,637</td>
<td>0</td>
<td>109,617</td>
</tr>
<tr>
<td>09. 01.015. 4</td>
<td>8” PVC Leach Pipe Laying</td>
<td>545686.00 LF</td>
<td>48,435</td>
<td>1615754</td>
<td>131,420</td>
<td>1434233</td>
<td>839,025</td>
<td>1,444,557</td>
</tr>
<tr>
<td>09. 01.015. 5</td>
<td>Planting &amp; Seeding</td>
<td>125.00 ACR</td>
<td>10,109</td>
<td>221,568</td>
<td>14,394</td>
<td>369,571</td>
<td>839,025</td>
<td>1,444,557</td>
</tr>
</tbody>
</table>

**TOTAL Second Bench**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.020</td>
<td>First Bench</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.020. 1</td>
<td>Excavate pipe trench, 18” depth</td>
<td>1.00 LF</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>09. 01.020. 2</td>
<td>Pipe Laying</td>
<td>31000.00 LF</td>
<td>4,741</td>
<td>157,025</td>
<td>0</td>
<td>110,239</td>
<td>11,900</td>
<td>279,163</td>
</tr>
<tr>
<td>09. 01.020. 3</td>
<td>Backfill pipe trench, compact</td>
<td>31000.00 LF</td>
<td>930</td>
<td>27,854</td>
<td>23,061</td>
<td>0</td>
<td>0</td>
<td>50,914</td>
</tr>
<tr>
<td>09. 01.020. 4</td>
<td>Install control valves for spring</td>
<td>90.00 EA</td>
<td>80</td>
<td>1,868</td>
<td>0</td>
<td>2,093</td>
<td>0</td>
<td>3,960</td>
</tr>
<tr>
<td>09. 01.020. 5</td>
<td>Install Programmable Logic</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>500,000</td>
<td>500,000</td>
<td>500000.00</td>
</tr>
<tr>
<td>09. 01.020. 6</td>
<td>Rough grade &amp; scarify subsoil</td>
<td>89.00 ACR</td>
<td>2,154</td>
<td>64,504</td>
<td>94,663</td>
<td>0</td>
<td>0</td>
<td>159,167</td>
</tr>
<tr>
<td>09. 01.020. 7</td>
<td>Planting &amp; seeding</td>
<td>89.00 ACR</td>
<td>5,062</td>
<td>114,029</td>
<td>10,248</td>
<td>262,686</td>
<td>839,025</td>
<td>1,225,988</td>
</tr>
</tbody>
</table>

**TOTAL First Bench**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05</td>
<td>BASINS PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001</td>
<td>Tributary Infiltration Basins</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>18.00 ACR</td>
<td>567</td>
<td>12,543</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>25,223</td>
</tr>
<tr>
<td>09. 05.001. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>13.00 ACR</td>
<td>185</td>
<td>5,383</td>
<td>4,005</td>
<td>0</td>
<td>0</td>
<td>9,388</td>
</tr>
<tr>
<td>09. 05.001. 3</td>
<td>Excavate, mach exc., sand &amp; gravel</td>
<td>8300.00 CY</td>
<td>8,794</td>
<td>197,362</td>
<td>8,174</td>
<td>0</td>
<td>0</td>
<td>205,537</td>
</tr>
<tr>
<td>09. 05.001. 4</td>
<td>Backfilling</td>
<td>3360.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>61,950</td>
</tr>
<tr>
<td>09. 05.001. 5</td>
<td>Planting &amp; Seeding</td>
<td>18.00 ACR</td>
<td>880</td>
<td>20,114</td>
<td>1,173</td>
<td>0</td>
<td>0</td>
<td>52,197</td>
</tr>
</tbody>
</table>

**TOTAL Tributary Infiltration Basins**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.005</td>
<td>Grade Control Infiltration Basin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.005. 1</td>
<td>Fencing for Erosion Control</td>
<td>6.00 ACR</td>
<td>327</td>
<td>7,238</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>14,556</td>
</tr>
<tr>
<td>09. 05.005. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>5.00 ACR</td>
<td>71</td>
<td>2,070</td>
<td>1,540</td>
<td>0</td>
<td>0</td>
<td>3,611</td>
</tr>
<tr>
<td>09. 05.005. 3</td>
<td>Excavating, mach exc, sand &amp; gravel</td>
<td>1120.00 CY</td>
<td>56</td>
<td>1,554</td>
<td>2,627</td>
<td>0</td>
<td>0</td>
<td>4,180</td>
</tr>
<tr>
<td>09. 05.005. 4</td>
<td>Compaction at dump site, hl rlr</td>
<td>840.00 CY</td>
<td>4</td>
<td>116</td>
<td>131</td>
<td>0</td>
<td>0</td>
<td>247</td>
</tr>
<tr>
<td>09. 05.005. 5</td>
<td>Compact basin subgrade, existing</td>
<td>2904.00 CY</td>
<td>2,904</td>
<td>64,852</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>64,852</td>
</tr>
<tr>
<td>09. 05.005. 6</td>
<td>Backfilling</td>
<td>1160.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>21,390</td>
</tr>
<tr>
<td>09. 05.005. 7</td>
<td>Planting &amp; Seeding</td>
<td>6.00 ACR</td>
<td>293</td>
<td>6,705</td>
<td>391</td>
<td>17,399</td>
<td>0</td>
<td>24,495</td>
</tr>
</tbody>
</table>

**TOTAL Grade Control Infiltration Basin**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05</td>
<td>BASINS PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001</td>
<td>Tributary Infiltration Basins</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 05.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>1.00 EA</td>
<td>10,426</td>
<td>317,937</td>
<td>18,040</td>
<td>89,594</td>
<td>110,010</td>
<td>423,641</td>
</tr>
</tbody>
</table>

**TOTAL BASINS PLANTING**
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,422</td>
<td>2532198</td>
</tr>
<tr>
<td>09. 10.001</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,422</td>
<td>2532198</td>
</tr>
<tr>
<td>09. 10.001.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,422</td>
<td>2532198</td>
</tr>
<tr>
<td>09. 15.001</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15.001.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15.001.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15.001.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 15.001.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,422</td>
<td>2532198</td>
</tr>
<tr>
<td>09. 20.001</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.002</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,422</td>
<td>2532198</td>
</tr>
<tr>
<td>09. 20.002.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.002.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.003</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,422</td>
<td>2532198</td>
</tr>
<tr>
<td>09. 20.003.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Project PASEO1: Paseo de las Iglesias Feas Study - Los Reals Road to Congress Road

## Summary Page 52

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 20.003. 2 Site Preparation</td>
<td>8.20 ACR</td>
<td>648</td>
<td>19,075</td>
<td>24,820</td>
<td>0</td>
<td>102,778</td>
<td>0</td>
<td>146,673</td>
</tr>
<tr>
<td><strong>TOTAL Gravel Maintenance Road</strong></td>
<td>8.20 ACR</td>
<td>706</td>
<td>20,773</td>
<td>26,083</td>
<td>0</td>
<td>102,778</td>
<td>0</td>
<td>149,634</td>
</tr>
<tr>
<td>09. 20.005 Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.005. 1 Fencing for Erosion Control</td>
<td>9.00 ACR</td>
<td>401</td>
<td>8,867</td>
<td>0</td>
<td>8,964</td>
<td>0</td>
<td>17,831</td>
<td>1981.25</td>
</tr>
<tr>
<td>09. 20.005. 2 Clearing and Grubbing, debris</td>
<td>7.00 ACR</td>
<td>100</td>
<td>2,899</td>
<td>2,156</td>
<td>0</td>
<td>5,055</td>
<td>0</td>
<td>7,224.14</td>
</tr>
<tr>
<td>09. 20.005. 3 Excavating, structural, sand/</td>
<td>3060.00 CY</td>
<td>148</td>
<td>4,123</td>
<td>6,014</td>
<td>0</td>
<td>10,137</td>
<td>0</td>
<td>3399.13</td>
</tr>
<tr>
<td>09. 20.005. 4 Cast in Place reinforced concret</td>
<td>3060.00 CY</td>
<td>3,587</td>
<td>121,222</td>
<td>0</td>
<td>262,294</td>
<td>0</td>
<td>383,516</td>
<td>125.33</td>
</tr>
<tr>
<td>09. 20.005. 5 Finished grading, tie in, stabil.</td>
<td>9.00 ACR</td>
<td>671</td>
<td>18,761</td>
<td>11,831</td>
<td>0</td>
<td>30,592</td>
<td>0</td>
<td>3399.13</td>
</tr>
<tr>
<td>09. 20.005. 6 Prefab Bridges</td>
<td>9.00 EA</td>
<td>1,618</td>
<td>56,936</td>
<td>29,117</td>
<td>542,330</td>
<td>60,259</td>
<td>688,642</td>
<td>76515.81</td>
</tr>
<tr>
<td><strong>TOTAL Bridges</strong></td>
<td>1.00 EA</td>
<td>6,524</td>
<td>212,807</td>
<td>49,119</td>
<td>813,588</td>
<td>60,259</td>
<td>1,135,773</td>
<td>1135773</td>
</tr>
<tr>
<td><strong>TOTAL ROADS &amp; BRIDGES</strong></td>
<td>1.00 EA</td>
<td>11,176</td>
<td>362,784</td>
<td>171,054</td>
<td>1765490</td>
<td>60,259</td>
<td>2,359,587</td>
<td>2359587</td>
</tr>
<tr>
<td>09. 25 LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001 Let Down Structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 1 Fencing for Erosion Control</td>
<td>2.50 ACR</td>
<td>211</td>
<td>4,674</td>
<td>0</td>
<td>4,726</td>
<td>0</td>
<td>9,400</td>
<td>3759.94</td>
</tr>
<tr>
<td>09. 25.001. 2 Clearing &amp; Grubbing, debris</td>
<td>1.90 ACR</td>
<td>27</td>
<td>787</td>
<td>585</td>
<td>0</td>
<td>1,712</td>
<td>0</td>
<td>722.14</td>
</tr>
<tr>
<td>09. 25.001. 3 Prep (excav) slope to receive</td>
<td>500.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
<td>0</td>
<td>1.50</td>
</tr>
<tr>
<td>09. 25.001. 4 30&quot; Pipe Laying</td>
<td>1000.00 LF</td>
<td>481</td>
<td>12,019</td>
<td>6,381</td>
<td>29,151</td>
<td>30,000</td>
<td>77,551</td>
<td>77.55</td>
</tr>
<tr>
<td>09. 25.001. 5 Backfilling &amp; Compaction</td>
<td>30000.00 CY</td>
<td>1,008</td>
<td>27,321</td>
<td>48,021</td>
<td>0</td>
<td>24,945</td>
<td>100,287</td>
<td>3.34</td>
</tr>
<tr>
<td>09. 25.001. 6 Planting and Seeding</td>
<td>2.10 ACR</td>
<td>183</td>
<td>4,012</td>
<td>242</td>
<td>6,814</td>
<td>16,875</td>
<td>27,943</td>
<td>13306.06</td>
</tr>
<tr>
<td><strong>TOTAL Let Down Structures</strong></td>
<td>1.00 EA</td>
<td>1,910</td>
<td>48,812</td>
<td>55,230</td>
<td>107,074</td>
<td>11,500</td>
<td>217,303</td>
<td>217303.02</td>
</tr>
<tr>
<td><strong>TOTAL LET DOWN STRUCTURES</strong></td>
<td>1.00 EA</td>
<td>1,910</td>
<td>48,812</td>
<td>55,230</td>
<td>107,074</td>
<td>11,500</td>
<td>217,303</td>
<td>217303.02</td>
</tr>
<tr>
<td><strong>TOTAL CONSTRUCTION (RESTORATION)</strong></td>
<td>1.00 EA</td>
<td>343,303</td>
<td>10546426</td>
<td>4813116</td>
<td>12682559</td>
<td>7,900,751</td>
<td>35,942,852</td>
<td>35942852</td>
</tr>
</tbody>
</table>

---

### RECREATION

#### 30 RECREATION FEATURES

##### 30.001 Parking Areas

| 30.001. 1 Fencing for Erosion Control | 1.80 ACR | 179 | 3,966 | 0 | 4,010 | 0 | 7,976 | 4430.91 |
| 30.001. 2 Clearing & Grubbing, debris | 1.80 ACR | 27 | 787 | 585 | 0 | 1,712 | 0 | 722.14 |
| 30.001. 3 Site Preparation | 1.80 ACR | 268 | 7,799 | 9,142 | 0 | 16,941 | 9411.90 |
| 30.001. 4 Asphalt Paving, 6" stone base, | 79280.00 SF | 0 | 11,892 | 14,270 | 103,064 | 0 | 129,226 | 1.63 |
| 30.001. 5 Lines on pavement, parking stall | 0 | 0 | 0 | 0 | 1,500 | 1,500 |
| 30.001. 6 Parking Lot Amenities, lighting, | 0 | 0 | 0 | 0 | 10,000 | 0 | 10,000 |
| **TOTAL Parking Areas** | 1.80 ACR | 474 | 24,444 | 23,998 | 107,074 | 11,500 | 167,016 | 92786.39 |
### SUMMARY PAGE 53

**PROJECT DIRECT SUMMARY - Subsystm**

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL Decomposed Granite Trails</strong></td>
<td>1.00 EA</td>
<td>343</td>
<td>9,831</td>
<td>8,501</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL Other Recreation Features</strong></td>
<td>1.00 EA</td>
<td>95</td>
<td>2,091</td>
<td>0</td>
<td>13,402</td>
</tr>
<tr>
<td><strong>TOTAL RECREATION FEATURES</strong></td>
<td>1.00 EA</td>
<td>912</td>
<td>36,367</td>
<td>32,498</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL RECREATION</strong></td>
<td>1.00 EA</td>
<td>912</td>
<td>36,367</td>
<td>32,498</td>
<td>0</td>
</tr>
<tr>
<td><strong>PLANNING, ENGINEERING, DESIGN</strong></td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL PLANNING, ENGINEERING, DESIGN</strong></td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>CONSTRUCTION MANAGEMENT</strong></td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL CONSTRUCTION MANAGEMENT</strong></td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL Paseo de las Iglesias Feas Study</strong></td>
<td>1.00 EA</td>
<td>344,214</td>
<td>10582793</td>
<td>4845615</td>
<td>12803035</td>
</tr>
</tbody>
</table>

**OVERHEAD**

| **OVERHEAD** | 3,659,359 |

**SUBTOTAL**

| **SUBTOTAL** | 77,712,116 |

**HOME OFC**

| **HOME OFC** | 3,220,236 |

**SUBTOTAL**

| **SUBTOTAL** | 80,932,352 |

**PROFIT**

| **PROFIT** | 4,347,319 |

| **SUBTOTAL** | 85,279,671 |
** PROJECT DIRECT SUMMARY - Subsystm **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>237,678</td>
<td></td>
</tr>
<tr>
<td>TOTAL INCL INDIRECTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>85,517,349</td>
<td></td>
</tr>
<tr>
<td>ESCALATION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4,953,123</td>
<td></td>
</tr>
<tr>
<td>SUBTOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>90,470,472</td>
<td></td>
</tr>
<tr>
<td>CONTINGENCY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7,118,185</td>
<td></td>
</tr>
<tr>
<td>TOTAL INCL OWNER COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>97,588,657</td>
<td></td>
</tr>
</tbody>
</table>
** PROJECT DIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LANDS AND DAMAGES (REAL ESTATE)</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,200,000</td>
<td>26,200,000</td>
<td>26200000</td>
<td></td>
</tr>
<tr>
<td>09 CONSTRUCTION (RESTORATION)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01 IRRIGATION PLANTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.001 Historic Floodplain</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 1 Fencing for Erosion Control</td>
<td>656.00 ACR</td>
<td>3,421</td>
<td>75,723</td>
<td>0</td>
<td>76,555</td>
<td>0</td>
<td>152,278</td>
<td>232.13</td>
</tr>
<tr>
<td>09. 01.001. 2 Clearing &amp; Grubbing, Debris</td>
<td>328.00 ACR</td>
<td>9,338</td>
<td>271,648</td>
<td>202,076</td>
<td>0</td>
<td>473,723</td>
<td>1444.28</td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 3 Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 3.01 Ripping, discing to prepare</td>
<td>590.00 ACR</td>
<td>100</td>
<td>2,987</td>
<td>4,383</td>
<td>0</td>
<td>7,369</td>
<td>12.49</td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 3.02 Regrade to req'd slopes, flatten</td>
<td>295.00 ACR</td>
<td>15</td>
<td>442</td>
<td>980</td>
<td>0</td>
<td>1,421</td>
<td>4.82</td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 3.03 Regrade Surface, scraper-grader</td>
<td>1445500 CY</td>
<td>231</td>
<td>7,077</td>
<td>17,083</td>
<td>0</td>
<td>24,160</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Site Preparation</td>
<td>1.00 EA</td>
<td>346</td>
<td>10,505</td>
<td>22,445</td>
<td>0</td>
<td>32,950</td>
<td>32950.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 4 Excavation</td>
<td>176990.00 CY</td>
<td>7,350</td>
<td>205,185</td>
<td>136,229</td>
<td>0</td>
<td>341,441</td>
<td>1.93</td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 5 Compaction (tractor wheel, one</td>
<td>3561940 LF</td>
<td>6,918</td>
<td>206,632</td>
<td>214,833</td>
<td>0</td>
<td>421,465</td>
<td>0.12</td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 6 Trenching for Water Supply Pipes</td>
<td>17050.00 CY</td>
<td>355</td>
<td>11,265</td>
<td>11,159</td>
<td>0</td>
<td>22,424</td>
<td>1.32</td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 7 Pipe bedding, crushed stone</td>
<td>13110.00 CY</td>
<td>1,210</td>
<td>30,281</td>
<td>6,000</td>
<td>615,383</td>
<td>0</td>
<td>651,765</td>
<td>49.72</td>
</tr>
<tr>
<td>09. 01.001. 8 Install gated 12&quot; PVC pipe for</td>
<td>114720.00 LF</td>
<td>9,178</td>
<td>306,245</td>
<td>0</td>
<td>329,246</td>
<td>773,155</td>
<td>6.74</td>
<td></td>
</tr>
<tr>
<td>09. 01.001. 9 Install &quot;U&quot; outlet tubes with</td>
<td>5940.00 EA</td>
<td>1,667</td>
<td>55,638</td>
<td>0</td>
<td>832</td>
<td>56,469</td>
<td>9.51</td>
<td></td>
</tr>
<tr>
<td>09. 01.001.10 Backfill pipe trench, side cast</td>
<td>4590.00 CY</td>
<td>24</td>
<td>725</td>
<td>1,064</td>
<td>0</td>
<td>1,789</td>
<td>0.39</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Historic Floodplain</td>
<td>1.00 EA</td>
<td>87,267</td>
<td>2225592</td>
<td>658,160</td>
<td>2802300</td>
<td>3,760,935</td>
<td>6,657,218</td>
<td>11930.50</td>
</tr>
</tbody>
</table>

Labor ID: A50401  EQUIP ID: NAT99C  CREW ID: NAT01A  UPB ID: UP01EA  Currency in DOLLARS
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.005. 4.03</td>
<td>Compaction, sheepfoot/wobbly</td>
<td>1213390 CY</td>
<td>6,067</td>
<td>167,933</td>
<td>189,046</td>
<td>0</td>
<td>0</td>
<td>356,979</td>
</tr>
<tr>
<td>09. 01.005. 4.03</td>
<td>TOTAL Excavation, steep slopes, 5:1</td>
<td>1213390 CY</td>
<td>47,201</td>
<td>1296750</td>
<td>2223537</td>
<td>0</td>
<td>0</td>
<td>3,520,287</td>
</tr>
<tr>
<td>09. 01.005. 5</td>
<td>Fine grading to 20% slope,</td>
<td>110.00 ACR</td>
<td>5,324</td>
<td>149,044</td>
<td>93,995</td>
<td>0</td>
<td>0</td>
<td>243,040</td>
</tr>
<tr>
<td>09. 01.005. 6</td>
<td>Header Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 6</td>
<td>TOTAL Header Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7</td>
<td>8&quot; PVC Leach Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 7</td>
<td>TOTAL 8&quot; PVC Leach Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 8</td>
<td>Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.005. 8</td>
<td>TOTAL Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010</td>
<td>Natural Slope</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.010</td>
<td>TOTAL Graded Slope</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Summary**

- **Project:** Paseo de las Iglesias Feas Study - Los Reals Road to Congress Road
- **Eff. Date:** 07/19/04
- **Currency in DOLLARS**
- **Labor ID:** A50401
- **Equipment ID:** NAT99C
- **Crew ID:** NAT01A
- **UPB ID:** UP01EA

**Notes:**
- The table above summarizes various tasks and their costs involved in the project, including excavation, grading, pipe laying, and planting and seeding.
<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.01. 3.02</td>
<td>Header Trench bedding, 3/4&quot;</td>
<td>35.00 CY</td>
<td>3</td>
<td>98</td>
<td>132</td>
<td>560</td>
<td>0</td>
<td>790</td>
</tr>
<tr>
<td>09. 01.01. 3.03</td>
<td>Install med. diam. PVC Header</td>
<td>1520.00 LF</td>
<td>152</td>
<td>5,072</td>
<td>0</td>
<td>14,379</td>
<td>0</td>
<td>19,451</td>
</tr>
<tr>
<td>09. 01.01. 3.04</td>
<td>Backfill trench, FE loader,</td>
<td>35.00 CY</td>
<td>1</td>
<td>31</td>
<td>26</td>
<td>0</td>
<td>0</td>
<td>57</td>
</tr>
<tr>
<td>09. 01.01. 3.05</td>
<td>Hauling, surplus cut matl, no</td>
<td>52.00 CY</td>
<td>3</td>
<td>70</td>
<td>125</td>
<td>0</td>
<td>0</td>
<td>195</td>
</tr>
<tr>
<td><strong>TOTAL Header Trenching</strong></td>
<td></td>
<td>1520.00 LF</td>
<td>160</td>
<td>5,294</td>
<td>304</td>
<td>14,939</td>
<td>0</td>
<td>20,537</td>
</tr>
<tr>
<td>09. 01.01. 4</td>
<td>8&quot; PVC Leach Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.01. 4.01</td>
<td>Excavate trench, 12&quot; depth by</td>
<td>16780.00 CY</td>
<td>138</td>
<td>4,388</td>
<td>4,062</td>
<td>0</td>
<td>0</td>
<td>8,450</td>
</tr>
<tr>
<td>09. 01.01. 4.02</td>
<td>Install low perm geotextile in</td>
<td>25200.00 SY</td>
<td>403</td>
<td>9,521</td>
<td>2,485</td>
<td>15,372</td>
<td>0</td>
<td>27,777</td>
</tr>
<tr>
<td>09. 01.01. 4.03</td>
<td>Install 8&quot; PVC leach pipe for</td>
<td>75510.00 LF</td>
<td>6,041</td>
<td>201,574</td>
<td>0</td>
<td>105,714</td>
<td>22,653</td>
<td>329,941</td>
</tr>
<tr>
<td>09. 01.01. 4.04</td>
<td>Install leach pipe filter &quot;sock&quot;</td>
<td>75510.00 LF</td>
<td>0</td>
<td>0</td>
<td>91,367</td>
<td>30,204</td>
<td>121,571</td>
<td>1.61</td>
</tr>
<tr>
<td>09. 01.01. 4.05</td>
<td>Install pipe fittings as needed</td>
<td></td>
<td>0</td>
<td>12,000</td>
<td>0</td>
<td>8,000</td>
<td>0</td>
<td>20,000</td>
</tr>
<tr>
<td>09. 01.01. 4.06</td>
<td>Backfill trench, FE loader, whl</td>
<td>15830.00 CY</td>
<td>475</td>
<td>14,223</td>
<td>11,776</td>
<td>0</td>
<td>0</td>
<td>25,999</td>
</tr>
<tr>
<td>09. 01.01. 4.07</td>
<td>Hauling, surplus cut matl, no</td>
<td>990.00 CY</td>
<td>50</td>
<td>1,338</td>
<td>2,372</td>
<td>0</td>
<td>0</td>
<td>3,711</td>
</tr>
<tr>
<td><strong>TOTAL 8&quot; PVC Leach Pipe Laying</strong></td>
<td></td>
<td>75510.00 LF</td>
<td>7,106</td>
<td>243,044</td>
<td>20,696</td>
<td>220,453</td>
<td>52,857</td>
<td>537,049</td>
</tr>
<tr>
<td>09. 01.01. 5</td>
<td>Planting &amp; Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.01. 5.01</td>
<td>Mulch, hay, 1&quot; deep, power</td>
<td>18.00 ACR</td>
<td>24</td>
<td>543</td>
<td>528</td>
<td>15,016</td>
<td>0</td>
<td>16,087</td>
</tr>
<tr>
<td>09. 01.01. 5.02</td>
<td>Crimping, tilling topsoil</td>
<td>18.00 ACR</td>
<td>72</td>
<td>2,218</td>
<td>645</td>
<td>0</td>
<td>0</td>
<td>2,863</td>
</tr>
<tr>
<td>09. 01.01. 5.03</td>
<td>Seeding, athletic fld mix,</td>
<td>18.00 ACR</td>
<td>784</td>
<td>17,353</td>
<td>0</td>
<td>37,181</td>
<td>0</td>
<td>54,534</td>
</tr>
<tr>
<td>09. 01.01. 5.04</td>
<td>Place Coarse Woody debris/rocks</td>
<td>18.00 ACR</td>
<td>576</td>
<td>11,792</td>
<td>900</td>
<td>900</td>
<td>0</td>
<td>13,592</td>
</tr>
<tr>
<td>09. 01.01. 5.05</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>7740.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>116,100</td>
<td>0</td>
<td>116,100</td>
</tr>
<tr>
<td><strong>TOTAL Planting &amp; Seeding</strong></td>
<td></td>
<td>18.00 ACR</td>
<td>1,456</td>
<td>31,906</td>
<td>2,073</td>
<td>53,097</td>
<td>0</td>
<td>116,100</td>
</tr>
<tr>
<td><strong>TOTAL Natural Slope</strong></td>
<td></td>
<td>1.00 EA</td>
<td>9,473</td>
<td>298,169</td>
<td>27,076</td>
<td>301,170</td>
<td>168,957</td>
<td>795,373</td>
</tr>
<tr>
<td>09. 01.01. 15</td>
<td>Second Bench</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.01. 15. 1</td>
<td>Fencing for Erosion Control</td>
<td>124.00 ACR</td>
<td>1,487</td>
<td>32,918</td>
<td>0</td>
<td>33,280</td>
<td>0</td>
<td>66,198</td>
</tr>
<tr>
<td>09. 01.01. 15. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>93.00 ACR</td>
<td>1,324</td>
<td>38,511</td>
<td>28,648</td>
<td>0</td>
<td>0</td>
<td>67,159</td>
</tr>
<tr>
<td>09. 01.01. 15. 3</td>
<td>Header Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 01.01. 15. 3.01</td>
<td>Excavate header trench, 12&quot; dep.</td>
<td>500.00 CY</td>
<td>4</td>
<td>131</td>
<td>121</td>
<td>0</td>
<td>0</td>
<td>252</td>
</tr>
<tr>
<td>09. 01.01. 15. 3.02</td>
<td>Header Trench bedding, 3/4&quot;</td>
<td>200.00 CY</td>
<td>18</td>
<td>558</td>
<td>755</td>
<td>3,200</td>
<td>0</td>
<td>4,513</td>
</tr>
<tr>
<td>09. 01.01. 15. 3.03</td>
<td>Install med. diam. PVC Header</td>
<td>8080.00 LF</td>
<td>808</td>
<td>26,962</td>
<td>0</td>
<td>76,437</td>
<td>0</td>
<td>103,399</td>
</tr>
<tr>
<td>09. 01.01. 15. 3.04</td>
<td>Backfill trench, FE loader,</td>
<td>200.00 CY</td>
<td>6</td>
<td>180</td>
<td>149</td>
<td>0</td>
<td>0</td>
<td>328</td>
</tr>
<tr>
<td>09. 01.01. 15. 3.05</td>
<td>Hauling, surplus cut matl, no</td>
<td>300.00 CY</td>
<td>15</td>
<td>405</td>
<td>719</td>
<td>0</td>
<td>0</td>
<td>1,124</td>
</tr>
<tr>
<td><strong>TOTAL Header Trenching</strong></td>
<td></td>
<td>8080.00 LF</td>
<td>852</td>
<td>28,236</td>
<td>1,744</td>
<td>79,637</td>
<td>0</td>
<td>109,617</td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UOM</td>
<td>MANHRS</td>
<td>LABOR</td>
<td>EQUIPMNT</td>
<td>MATERIAL</td>
<td>OTHER</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
</tr>
<tr>
<td>-----------</td>
<td>------</td>
<td>--------</td>
<td>-------</td>
<td>----------</td>
<td>----------</td>
<td>-------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>09. 01.015. 4.01</td>
<td>Excavate trench, 12&quot; depth by</td>
<td>121260.00</td>
<td>CY</td>
<td>994</td>
<td>31,709</td>
<td>29,357</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 4.03</td>
<td>Install 8&quot; PVC leach pipe for</td>
<td>545686.00</td>
<td>LF</td>
<td>43,655</td>
<td>1456709</td>
<td>0</td>
<td>763,960</td>
<td>163,706</td>
</tr>
<tr>
<td>09. 01.015. 4.04</td>
<td>Install leach pipe filter &quot;sock&quot;</td>
<td>545680.00</td>
<td>LF</td>
<td>355</td>
<td>9,583</td>
<td>16,990</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 4.05</td>
<td>Install pipe fittings as needed</td>
<td>114360.00</td>
<td>CY</td>
<td>3,431</td>
<td>102,752</td>
<td>85,072</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 4.06</td>
<td>Backfill trench, FE loader, whl</td>
<td>125.00</td>
<td>ACR</td>
<td>164</td>
<td>3,771</td>
<td>3,666</td>
<td>104,279</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 4.07</td>
<td>Hauling, surplus cut matl, no</td>
<td>7090.00</td>
<td>CY</td>
<td>355</td>
<td>9,583</td>
<td>16,990</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 5</td>
<td>Planting &amp; Seeding</td>
<td>125.00</td>
<td>ACR</td>
<td>10,109</td>
<td>221,568</td>
<td>14,394</td>
<td>369,571</td>
<td>839,025</td>
</tr>
<tr>
<td>09. 01.020</td>
<td>First Bench</td>
<td>1.00</td>
<td>EA</td>
<td>62,207</td>
<td>1936987</td>
<td>176,205</td>
<td>1,221,003</td>
<td>5,250,915</td>
</tr>
<tr>
<td>09. 01.020. 1</td>
<td>Excavate pipe trench, 18&quot; depth</td>
<td>1.00</td>
<td>LF</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>09. 01.020. 2</td>
<td>Pipe Laying</td>
<td>31000.00</td>
<td>LF</td>
<td>4,741</td>
<td>157,025</td>
<td>0</td>
<td>110,239</td>
<td>11,900</td>
</tr>
<tr>
<td>09. 01.020. 3</td>
<td>Backfill pipe trench, compact</td>
<td>31000.00</td>
<td>LF</td>
<td>930</td>
<td>27,854</td>
<td>23,061</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.020. 4</td>
<td>Install control valves for sprin-</td>
<td>90.00</td>
<td>EA</td>
<td>80</td>
<td>1,868</td>
<td>0</td>
<td>2,093</td>
<td>3,960</td>
</tr>
<tr>
<td>09. 01.020. 5</td>
<td>Install Programmable Logic</td>
<td>1.00</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>500,000</td>
</tr>
<tr>
<td>09. 01.020. 6</td>
<td>Rough grade &amp; scarify subsoil</td>
<td>89.00</td>
<td>ACR</td>
<td>2,154</td>
<td>64,504</td>
<td>94,663</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.020. 7</td>
<td>Planting &amp; seeding</td>
<td>89.00</td>
<td>ACR</td>
<td>117</td>
<td>2,685</td>
<td>2,610</td>
<td>74,246</td>
<td>0</td>
</tr>
</tbody>
</table>

** Total Second Bench **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 01.015. 4.06</td>
<td>Backfill trench, FE loader, whl</td>
<td>114360.00</td>
<td>CY</td>
<td>3,431</td>
<td>102,752</td>
<td>85,072</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 4.07</td>
<td>Hauling, surplus cut matl, no</td>
<td>7090.00</td>
<td>CY</td>
<td>355</td>
<td>9,583</td>
<td>16,990</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 5</td>
<td>Planting &amp; Seeding</td>
<td>125.00</td>
<td>ACR</td>
<td>10,109</td>
<td>221,568</td>
<td>14,394</td>
<td>369,571</td>
<td>839,025</td>
</tr>
<tr>
<td>09. 01.015. 5.01</td>
<td>Mulch, hay, 1&quot; deep, power</td>
<td>125.00</td>
<td>ACR</td>
<td>164</td>
<td>3,771</td>
<td>3,666</td>
<td>104,279</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 5.02</td>
<td>Crimping, tilling topsoil</td>
<td>125.00</td>
<td>ACR</td>
<td>500</td>
<td>15,402</td>
<td>4,478</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 5.03</td>
<td>Seeding, athletic fld mix,</td>
<td>125.00</td>
<td>ACR</td>
<td>5,445</td>
<td>120,509</td>
<td>0</td>
<td>258,202</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 5.04</td>
<td>Place Coarse Woody debris/rocks</td>
<td>125.00</td>
<td>ACR</td>
<td>4,000</td>
<td>81,886</td>
<td>6,250</td>
<td>7,090</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.015. 5.05</td>
<td>Plant Mesquite/Shrub mix using</td>
<td>89.00</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>839,025</td>
</tr>
<tr>
<td>09. 01.020. 2</td>
<td>Pipe Laying</td>
<td>31000.00</td>
<td>LF</td>
<td>4,741</td>
<td>157,025</td>
<td>0</td>
<td>110,239</td>
<td>11,900</td>
</tr>
<tr>
<td>09. 01.020. 3</td>
<td>Backfill pipe trench, compact</td>
<td>31000.00</td>
<td>LF</td>
<td>930</td>
<td>27,854</td>
<td>23,061</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.020. 4</td>
<td>Install control valves for sprin-</td>
<td>90.00</td>
<td>EA</td>
<td>80</td>
<td>1,868</td>
<td>0</td>
<td>2,093</td>
<td>3,960</td>
</tr>
<tr>
<td>09. 01.020. 5</td>
<td>Install Programmable Logic</td>
<td>1.00</td>
<td>EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>500,000</td>
</tr>
<tr>
<td>09. 01.020. 6</td>
<td>Rough grade &amp; scarify subsoil</td>
<td>89.00</td>
<td>ACR</td>
<td>2,154</td>
<td>64,504</td>
<td>94,663</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>09. 01.020. 7</td>
<td>Planting &amp; seeding</td>
<td>89.00</td>
<td>ACR</td>
<td>117</td>
<td>2,685</td>
<td>2,610</td>
<td>74,246</td>
<td>0</td>
</tr>
</tbody>
</table>
### QUANTITY UOM | MANHRS | LABOR | EQUIPMENT | MATERIAL | OTHER | TOTAL COST | UNIT COST
--- | --- | --- | --- | --- | --- | --- | ---
09. 01.020. 7.05 Plant Mesquite/Shrub mix using | 55935.00 EA | 0 | 0 | 0 | 0 | 839,025 | 15.00

TOTAL Planting & seeding | 89.00 ACR | 5,062 | 114,029 | 10,248 | 262,686 | 839,025 | 1,225,988 | 13775.15

TOTAL First Bench | 1.00 EA | 12,967 | 365,280 | 127,972 | 375,017 | 1,350,925 | 2,219,194 | 2219194

TOTAL IRRIGATION PLANTING | 1.00 EA | 287,141 | 8210895 | 3807079 | 7083380 | 7,636,522 | 26,737,876 | 26737876

09. 05 BASINS PLANTING

09. 05.001 Tributary Infiltration Basins

09. 05.001. 1 Fencing for Erosion Control | 18.00 ACR | 567 | 12,543 | 0 | 12,680 | 0 | 25,223 | 1401.27

09. 05.001. 2 Clearing and Grubbing, debris | 13.00 ACR | 185 | 7,295 | 4,005 | 0 | 0 | 9,388 | 722.14

09. 05.001. 3 Excavate, mach exc., sand & grav

09. 05.001. 3.01 Stockpile useable cut matl, | 830.00 CY | 12 | 345 | 506 | 0 | 0 | 851 | 1.03

09. 05.001. 3.02 Hauling, surplus cut matl, no | 2490.00 CY | 125 | 3,365 | 5,967 | 0 | 0 | 9,333 | 3.75

09. 05.001. 3.03 Fill, spread cut matl at dump | 2490.00 CY | 30 | 895 | 1,313 | 0 | 0 | 2,208 | 0.89

09. 05.001. 3.04 Compaction at dump site, hl rlr, | 2490.00 CY | 12 | 345 | 388 | 0 | 0 | 733 | 0.29

09. 05.001. 3.05 Compact Basin subgrade, existing | 86160.00 SY | 8,616 | 192,413 | 0 | 0 | 0 | 192,413 | 2.23

TOTAL Excavate, mach exc., sand & grav | 8300.00 CY | 8,794 | 197,362 | 8,174 | 0 | 0 | 205,537 | 24.76

09. 05.001. 4 Backfilling

09. 05.001. 4.01 Fill, bottom layer, clean sand, | 840.00 CY | 0 | 0 | 0 | 0 | 14,910 | 14,910 | 17.75

09. 05.001. 4.02 Fill, middle layer, No. 57 blue- | 840.00 CY | 0 | 0 | 0 | 0 | 840 | 840 | 1.00

09. 05.001. 4.03 Fill, middle layer, No. 2 gravel | 840.00 CY | 0 | 0 | 0 | 0 | 21,000 | 21,000 | 25.00

09. 05.001. 4.04 Fill, top layer, mix of native | 840.00 CY | 0 | 0 | 0 | 0 | 25,200 | 25,200 | 30.00

TOTAL Backfilling | 3360.00 CY | 0 | 0 | 0 | 0 | 61,950 | 61,950 | 18.44

09. 05.001. 5 Planting & Seeding

09. 05.001. 5.01 Mulch, hay, 1" deep, power | 18.00 ACR | 24 | 543 | 528 | 15,016 | 0 | 16,087 | 893.72

09. 05.001. 5.02 Crimping, tillng topsoil | 18.00 ACR | 72 | 2,218 | 645 | 0 | 0 | 2,863 | 159.04

09. 05.001. 5.03 Seeding, athletic fld mix, | 18.00 ACR | 784 | 17,353 | 0 | 37,181 | 0 | 54,534 | 3029.69

09. 05.001. 5.04 Plant Mesquite/Shrub mix using | 3204.00 EA | 0 | 0 | 0 | 0 | 48,060 | 48,060 | 15.00

TOTAL Planting & Seeding | 18.00 ACR | 880 | 20,114 | 1,173 | 52,197 | 48,060 | 121,544 | 6752.45

TOTAL Tributary Infiltration Basins | 1.00 EA | 10,426 | 235,402 | 13,352 | 64,878 | 110,010 | 423,641 | 423641.40

09. 05.005 Grade Control Infiltration Basin
**PROJECT DIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 05.005. 1</td>
<td>Fencing for Erosion Control</td>
<td>6.00 ACR</td>
<td>327</td>
<td>7,238</td>
<td>0</td>
<td>7,318</td>
<td>0</td>
<td>14,556</td>
</tr>
<tr>
<td>09. 05.005. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>5.00 ACR</td>
<td>71</td>
<td>2,070</td>
<td>1,540</td>
<td>0</td>
<td>0</td>
<td>3,611</td>
</tr>
<tr>
<td>09. 05.005. 3</td>
<td>Excavating, mach exc, sand &amp; gr</td>
<td>280.00 CY</td>
<td>4</td>
<td>116</td>
<td>171</td>
<td>0</td>
<td>0</td>
<td>287</td>
</tr>
<tr>
<td>09. 05.005. 3.01</td>
<td>Stockpile useable cut mat'l</td>
<td>840.00 CY</td>
<td>42</td>
<td>1,135</td>
<td>2,013</td>
<td>0</td>
<td>0</td>
<td>3,148</td>
</tr>
<tr>
<td>09. 05.005. 3.02</td>
<td>Hauling, surplus cut mat'l, no</td>
<td>840.00 CY</td>
<td>10</td>
<td>302</td>
<td>443</td>
<td>0</td>
<td>0</td>
<td>745</td>
</tr>
<tr>
<td>09. 05.005. 3.03</td>
<td>Fill, spread cut mat'l at dump</td>
<td>280.00 CY</td>
<td>392</td>
<td>11,717</td>
<td>17,194</td>
<td>0</td>
<td>0</td>
<td>28,911</td>
</tr>
<tr>
<td>09. 05.005. 4</td>
<td>Compaction at dump site, hl rlr</td>
<td>840.00 CY</td>
<td>4</td>
<td>116</td>
<td>131</td>
<td>0</td>
<td>0</td>
<td>247</td>
</tr>
<tr>
<td>09. 05.005. 5</td>
<td>Compact basin subgrade, existing</td>
<td>29040.00 CY</td>
<td>2,904</td>
<td>64,852</td>
<td>0</td>
<td>0</td>
<td>64,852</td>
<td>2.23</td>
</tr>
<tr>
<td>09. 05.005. 6</td>
<td>Backfilling</td>
<td>1160.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>21,390</td>
<td>0</td>
<td>21,390</td>
</tr>
<tr>
<td>09. 05.005. 7</td>
<td>Planting &amp; Seeding</td>
<td>6.00 ACR</td>
<td>293</td>
<td>6,705</td>
<td>17,399</td>
<td>0</td>
<td>0</td>
<td>24,495</td>
</tr>
<tr>
<td>09. 10</td>
<td>HARDENED BANKS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001</td>
<td>Hardened Slopes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 1</td>
<td>Fencing for Erosion Control</td>
<td>3.50 ACR</td>
<td>250</td>
<td>5,524</td>
<td>0</td>
<td>5,585</td>
<td>0</td>
<td>11,109</td>
</tr>
<tr>
<td>09. 10.001. 2</td>
<td>Clearing and Grubbing, debris</td>
<td>0.90 ACR</td>
<td>13</td>
<td>373</td>
<td>277</td>
<td>0</td>
<td>0</td>
<td>650</td>
</tr>
<tr>
<td>09. 10.001. 3</td>
<td>Excavating, prepare slope</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 3.01</td>
<td>Stockpile subgrade cut mat'l for</td>
<td>28200.00 CY</td>
<td>392</td>
<td>11,717</td>
<td>17,194</td>
<td>0</td>
<td>0</td>
<td>28,911</td>
</tr>
<tr>
<td>09. 10.001. 3.02</td>
<td>Hauling, no loading, 16.5 cy</td>
<td>18800.00 CY</td>
<td>538</td>
<td>14,519</td>
<td>27,164</td>
<td>0</td>
<td>0</td>
<td>41,683</td>
</tr>
<tr>
<td>09. 10.001. 4</td>
<td>Fill, spread dumped mat'l, by</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 4.01</td>
<td>Compaction, sheepfoot/wobbly</td>
<td>18800.00 CY</td>
<td>94</td>
<td>2,620</td>
<td>2,929</td>
<td>0</td>
<td>0</td>
<td>5,531</td>
</tr>
<tr>
<td>09. 10.001. 4.02</td>
<td>Fine grade to 1:1 slope, for</td>
<td>14900.00 SY</td>
<td>149</td>
<td>4,171</td>
<td>2,631</td>
<td>0</td>
<td>0</td>
<td>6,802</td>
</tr>
<tr>
<td>09. 10.001. 5</td>
<td>Soil Cement application,</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 10.001. 5.01</td>
<td></td>
<td>61100.00 CY</td>
<td>0</td>
<td>733,200</td>
<td>611,000</td>
<td>1038700</td>
<td>0</td>
<td>2,382,900</td>
</tr>
</tbody>
</table>
### PASEO DE LAS IGLESIAS Feasibility Study Estimate

#### 09. 10.001. 6 Backfill and Compaction

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>28200.00</td>
<td>CY</td>
<td>141</td>
<td>3,903</td>
<td>4,394</td>
<td>0</td>
<td>0</td>
<td>54,612</td>
<td>1.94</td>
</tr>
</tbody>
</table>

#### 09. 10.001. 6.01 Backfill subgrade with cut matl

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>28200.00</td>
<td>CY</td>
<td>141</td>
<td>3,903</td>
<td>4,394</td>
<td>0</td>
<td>0</td>
<td>54,612</td>
<td>1.94</td>
</tr>
</tbody>
</table>

#### 09. 10.001. 6.02 Compaction, sheepfoot/wobbly whl

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>28200.00</td>
<td>CY</td>
<td>141</td>
<td>3,903</td>
<td>4,394</td>
<td>0</td>
<td>0</td>
<td>54,612</td>
<td>1.94</td>
</tr>
</tbody>
</table>

#### 09. 15 PIPING

#### 09. 15.001 Irrigation Piping

#### 09. 15.001. 1 Trenching for Delivery Pipe

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>3130.00</td>
<td>CY</td>
<td>2,006</td>
<td>65,488</td>
<td>4,289</td>
<td>225,306</td>
<td>0</td>
<td>295,083</td>
<td>94.28</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 1.01 Delivery pipe trench bedding,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1260.00</td>
<td>CY</td>
<td>116</td>
<td>2,910</td>
<td>586</td>
<td>59,144</td>
<td>0</td>
<td>62,641</td>
<td>49.72</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 1.02 Delivery piping, large dia. say

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>10440.00</td>
<td>LF</td>
<td>1,796</td>
<td>59,934</td>
<td>146,682</td>
<td>0</td>
<td>0</td>
<td>206,616</td>
<td>19.79</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 1.03 Backfill delivery pipe trench,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1880.00</td>
<td>CY</td>
<td>54</td>
<td>1,452</td>
<td>2,716</td>
<td>0</td>
<td>0</td>
<td>4,168</td>
<td>2.22</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 1.04 Hauling, Delivery pipe surplus

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>12600.00</td>
<td>CY</td>
<td>360</td>
<td>9,731</td>
<td>18,206</td>
<td>0</td>
<td>0</td>
<td>27,937</td>
<td>2.22</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 2 Trenching for Main Pipe

#### 09. 15.001. 2.01 Main pipe trench bedding,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>8400.00</td>
<td>CY</td>
<td>775</td>
<td>19,402</td>
<td>3,909</td>
<td>394,296</td>
<td>0</td>
<td>417,607</td>
<td>49.72</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 2.02 Main piping, large dia. say

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>69970.00</td>
<td>LF</td>
<td>12,035</td>
<td>401,684</td>
<td>129,864</td>
<td>0</td>
<td>0</td>
<td>1,384,762</td>
<td>19.79</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 2.03 Backfill Main pipe trench,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>8400.00</td>
<td>CY</td>
<td>54</td>
<td>1,452</td>
<td>2,716</td>
<td>0</td>
<td>0</td>
<td>4,168</td>
<td>2.22</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 2.04 Hauling, Main pipe surplus

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>12600.00</td>
<td>CY</td>
<td>360</td>
<td>9,731</td>
<td>18,206</td>
<td>0</td>
<td>0</td>
<td>27,937</td>
<td>2.22</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 3 Trenching for Sub-main Pipe

#### 09. 15.001. 3.01 Sub-main pipe trench bedding,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>3370.00</td>
<td>CY</td>
<td>311</td>
<td>7,784</td>
<td>1,568</td>
<td>158,188</td>
<td>0</td>
<td>167,540</td>
<td>49.72</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 3.02 Sub-main piping, large dia. say

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>28010.00</td>
<td>LF</td>
<td>3,395</td>
<td>113,292</td>
<td>174,782</td>
<td>0</td>
<td>0</td>
<td>288,074</td>
<td>10.28</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 3.03 Backfill Sub-main pipe trench,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>3370.00</td>
<td>CY</td>
<td>106</td>
<td>3,187</td>
<td>2,639</td>
<td>52,100</td>
<td>0</td>
<td>57,926</td>
<td>17.19</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 3.04 Hauling, Sub-main pipe surplus

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>5050.00</td>
<td>CY</td>
<td>144</td>
<td>3,900</td>
<td>7,297</td>
<td>0</td>
<td>0</td>
<td>11,197</td>
<td>2.22</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 4 Trenching for Culvert CMP

#### 09. 15.001. 4.01 Culvert trench bedding,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>4200.00</td>
<td>CY</td>
<td>388</td>
<td>9,701</td>
<td>1,954</td>
<td>197,148</td>
<td>0</td>
<td>208,803</td>
<td>49.72</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 4.02 Install 24" dia. CMP Culvert for

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>23600.00</td>
<td>LF</td>
<td>6,473</td>
<td>153,697</td>
<td>279,424</td>
<td>0</td>
<td>0</td>
<td>449,438</td>
<td>19.04</td>
</tr>
</tbody>
</table>

#### 09. 15.001. 4.03 Backfill trench, PE Loader,

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>4200.00</td>
<td>CY</td>
<td>133</td>
<td>3,972</td>
<td>3,289</td>
<td>64,932</td>
<td>0</td>
<td>72,193</td>
<td>17.19</td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UOM</td>
<td>MANHRS</td>
<td>LABOR</td>
<td>EQUIPMNT</td>
<td>MATERIAL</td>
<td>OTHER</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
<td>--------</td>
<td>-------</td>
<td>-----------</td>
<td>----------</td>
<td>-------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>09. 15.001. 4.04</td>
<td>Hauling, Sub-main pipe surplus</td>
<td>6300.00 CY</td>
<td>180</td>
<td>4,865</td>
<td>9,103</td>
<td>0</td>
<td>0</td>
<td>13,968</td>
</tr>
<tr>
<td>TOTAL</td>
<td>Trenching for Culvert CMP</td>
<td>10500.00 CY</td>
<td>17.14</td>
<td>172,236</td>
<td>30,663</td>
<td>541,504</td>
<td>0</td>
<td>744,403</td>
</tr>
<tr>
<td>TOTAL Irrigation Piping</td>
<td>1.00 EA</td>
<td>26,572</td>
<td>804,650</td>
<td>75,147</td>
<td>2659119</td>
<td>0</td>
<td>3,538,916</td>
<td>3538916</td>
</tr>
<tr>
<td>TOTAL PIPING</td>
<td>1.00 EA</td>
<td>26,572</td>
<td>804,650</td>
<td>75,147</td>
<td>2659119</td>
<td>0</td>
<td>3,538,916</td>
<td>3538916</td>
</tr>
<tr>
<td>09. 20</td>
<td>ROADS &amp; BRIDGES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001</td>
<td>Compacted Earth Maintenance Road</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001. 1</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>8.30 ACR</td>
<td>118</td>
<td>3,437</td>
<td>2,557</td>
<td>0</td>
<td>0</td>
<td>5,994</td>
</tr>
<tr>
<td>TOTAL Clearing &amp; Grubbing, debris</td>
<td>8.30 ACR</td>
<td>118</td>
<td>3,437</td>
<td>2,557</td>
<td>0</td>
<td>0</td>
<td>5,994</td>
<td>722.14</td>
</tr>
<tr>
<td>09. 20.001. 2</td>
<td>Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.001. 2.01</td>
<td>Ripping, discing to prepare</td>
<td>8.30 ACR</td>
<td>1</td>
<td>42</td>
<td>62</td>
<td>0</td>
<td>0</td>
<td>104</td>
</tr>
<tr>
<td>09. 20.001. 2.02</td>
<td>Regrade, flatten, balance cut</td>
<td>2020.00 CY</td>
<td>10</td>
<td>302</td>
<td>671</td>
<td>0</td>
<td>0</td>
<td>973</td>
</tr>
<tr>
<td>09. 20.001. 2.03</td>
<td>Compaction, riding, sheepfoot/</td>
<td>40260.00 SY</td>
<td>201</td>
<td>5,572</td>
<td>6,273</td>
<td>0</td>
<td>0</td>
<td>11,844</td>
</tr>
<tr>
<td>TOTAL Site Preparation</td>
<td>8.30 ACR</td>
<td>213</td>
<td>5,916</td>
<td>7,005</td>
<td>0</td>
<td>0</td>
<td>12,921</td>
<td>1556.79</td>
</tr>
<tr>
<td>TOTAL Compacted Earth Maintenance Road</td>
<td>8.30 ACR</td>
<td>331</td>
<td>9,353</td>
<td>9,562</td>
<td>0</td>
<td>0</td>
<td>18,915</td>
<td>2278.93</td>
</tr>
<tr>
<td>09. 20.002</td>
<td>Paved Maintenance Roads</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.002. 1</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>9.00 ACR</td>
<td>128</td>
<td>3,727</td>
<td>2,772</td>
<td>0</td>
<td>0</td>
<td>6,499</td>
</tr>
<tr>
<td>TOTAL Clearing &amp; Grubbing, debris</td>
<td>9.00 ACR</td>
<td>128</td>
<td>3,727</td>
<td>2,772</td>
<td>0</td>
<td>0</td>
<td>6,499</td>
<td>722.14</td>
</tr>
<tr>
<td>09. 20.002. 2</td>
<td>Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.002. 2.01</td>
<td>Ripping, discing to prepare</td>
<td>18.00 ACR</td>
<td>3</td>
<td>91</td>
<td>134</td>
<td>0</td>
<td>0</td>
<td>225</td>
</tr>
<tr>
<td>09. 20.002. 2.02</td>
<td>Regrade, flatten, balance cut</td>
<td>21880.00 CY</td>
<td>109</td>
<td>3,275</td>
<td>7,266</td>
<td>0</td>
<td>0</td>
<td>10,542</td>
</tr>
<tr>
<td>09. 20.002. 2.03</td>
<td>Compaction, riding, sheepfoot/</td>
<td>86820.00 SY</td>
<td>434</td>
<td>12,016</td>
<td>13,527</td>
<td>0</td>
<td>0</td>
<td>25,542</td>
</tr>
<tr>
<td>09. 20.002. 2.04</td>
<td>Asphalt Concrete Paving,</td>
<td>781310.00 SF</td>
<td>2,940</td>
<td>100,741</td>
<td>62,592</td>
<td>849,124</td>
<td>0</td>
<td>1,012,457</td>
</tr>
<tr>
<td>TOTAL Site Preparation</td>
<td>18.00 ACR</td>
<td>3,487</td>
<td>116,123</td>
<td>83,518</td>
<td>849,124</td>
<td>0</td>
<td>1,048,766</td>
<td>58264.77</td>
</tr>
<tr>
<td>TOTAL Paved Maintenance Roads</td>
<td>18.00 ACR</td>
<td>3,615</td>
<td>119,850</td>
<td>86,291</td>
<td>849,124</td>
<td>0</td>
<td>1,055,265</td>
<td>58625.84</td>
</tr>
<tr>
<td>09. 20.003</td>
<td>Gravel Maintenance Road</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QUANTITY UOM</td>
<td>MANHRS</td>
<td>LABOR</td>
<td>EQUIPMNT</td>
<td>MATERIAL</td>
<td>OTHER</td>
<td>TOTAL COST</td>
<td>UNIT COST</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------</td>
<td>-------</td>
<td>----------</td>
<td>----------</td>
<td>-------</td>
<td>------------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 1 Clearing &amp; Grubbing, debris</td>
<td>4.10 ACR</td>
<td>58</td>
<td>1,698</td>
<td>1,263</td>
<td>0</td>
<td>2,961</td>
<td>722.14</td>
<td></td>
</tr>
<tr>
<td>TOTAL Clearing &amp; Grubbing, debris</td>
<td>4.10 ACR</td>
<td>58</td>
<td>1,698</td>
<td>1,263</td>
<td>0</td>
<td>2,961</td>
<td>722.14</td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 2 Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 2.01 Ripping, discing to prepare</td>
<td>8.20 ACR</td>
<td>1</td>
<td>42</td>
<td>61</td>
<td>0</td>
<td>102</td>
<td>12.49</td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 2.02 Regrade, flatten, balance cut</td>
<td>1980.00 CY</td>
<td>10</td>
<td>296</td>
<td>658</td>
<td>0</td>
<td>954</td>
<td>0.48</td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 2.03 Compaction, riding, sheepfoot/</td>
<td>39530.00 SY</td>
<td>198</td>
<td>5,471</td>
<td>6,159</td>
<td>0</td>
<td>11,630</td>
<td>0.29</td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 2.04 Gravel course, crushed 3/4&quot;</td>
<td>39530.00 SY</td>
<td>439</td>
<td>13,266</td>
<td>17,943</td>
<td>102,778</td>
<td>0</td>
<td>133,987</td>
<td>3.39</td>
</tr>
<tr>
<td>TOTAL Site Preparation</td>
<td>8.20 ACR</td>
<td>648</td>
<td>19,075</td>
<td>24,820</td>
<td>102,778</td>
<td>0</td>
<td>146,673</td>
<td>17886.96</td>
</tr>
<tr>
<td>TOTAL Gravel Maintenance Road</td>
<td>8.20 ACR</td>
<td>706</td>
<td>20,773</td>
<td>26,083</td>
<td>102,778</td>
<td>0</td>
<td>149,634</td>
<td>18248.03</td>
</tr>
<tr>
<td>09. 20.003. 2 Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 5 Cast in Place reinforced concret</td>
<td>3060.00 CY</td>
<td>3,587</td>
<td>121,222</td>
<td>0</td>
<td>262,294</td>
<td>0</td>
<td>383,516</td>
<td>125.33</td>
</tr>
<tr>
<td>09. 20.003. 6 Prefab Bridges</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 20.003. 6.01 Prefab Bridges (9 ea)</td>
<td>8090.00 SF</td>
<td>0</td>
<td>0</td>
<td>542,330</td>
<td>60,259</td>
<td>602,589</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Prefab Bridges</td>
<td>9.00 EA</td>
<td>1,618</td>
<td>56,936</td>
<td>29,117</td>
<td>0</td>
<td>86,053</td>
<td>10.64</td>
<td></td>
</tr>
<tr>
<td>TOTAL Prefab Bridges</td>
<td>9.00 EA</td>
<td>1,618</td>
<td>56,936</td>
<td>29,117</td>
<td>542,330</td>
<td>60,259</td>
<td>688,642</td>
<td>76515.81</td>
</tr>
<tr>
<td>TOTAL Roads &amp; Bridges</td>
<td>1.00 EA</td>
<td>6,524</td>
<td>212,807</td>
<td>49,119</td>
<td>813,588</td>
<td>60,259</td>
<td>1,135,773</td>
<td>1135773</td>
</tr>
<tr>
<td>09. 25 LET DOWN STRUCTURES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001 Let Down Structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 1 Fencing for Erosion Control</td>
<td>2.50 ACR</td>
<td>211</td>
<td>4,674</td>
<td>0</td>
<td>4,726</td>
<td>0</td>
<td>9,400</td>
<td>3759.94</td>
</tr>
<tr>
<td>09. 25.001. 2 Clearing &amp; Grubbing, debris</td>
<td>1.90 ACR</td>
<td>27</td>
<td>787</td>
<td>585</td>
<td>0</td>
<td>1,372</td>
<td>722.14</td>
<td></td>
</tr>
</tbody>
</table>
** PROJECT DIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>09. 25.001. 3 Prep (excav) slope to receive</td>
<td>500.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>750</td>
</tr>
<tr>
<td>09. 25.001. 4 30&quot; Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 4.01 Install pipe bedding, gravel,</td>
<td>150.00 CY</td>
<td>14</td>
<td>346</td>
<td>70</td>
<td>7,041</td>
</tr>
<tr>
<td>09. 25.001. 4.02 Install 30&quot; dia CMP, 200 lf per</td>
<td>1000.00 LF</td>
<td>467</td>
<td>11,672</td>
<td>6,312</td>
<td>22,110</td>
</tr>
<tr>
<td>09. 25.001. 4.03 Install wingwall deflectors on</td>
<td>10.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>30,000</td>
</tr>
<tr>
<td>TOTAL 30&quot; Pipe Laying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 5 Backfilling &amp; Compaction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 5.01 Hauling, no loading, 16.5 cy</td>
<td>30000.00 CY</td>
<td>858</td>
<td>23,169</td>
<td>43,347</td>
<td>0</td>
</tr>
<tr>
<td>09. 25.001. 5.02 Fill, spread dumped matl, by</td>
<td>30000.00 CY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>19,500</td>
</tr>
<tr>
<td>09. 25.001. 5.03 Compaction, sheepfoot/wobbly</td>
<td>30000.00 CY</td>
<td>150</td>
<td>4,152</td>
<td>4,674</td>
<td>0</td>
</tr>
<tr>
<td>09. 25.001. 5.04 Fine grade filled area, for</td>
<td>2.50 ACR</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,445</td>
</tr>
<tr>
<td>TOTAL Backfilling &amp; Compaction</td>
<td>30000.00 CY</td>
<td>1,008</td>
<td>27,321</td>
<td>48,021</td>
<td>0</td>
</tr>
<tr>
<td>09. 25.001. 6 Planting and Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09. 25.001. 6.01 Mulching, hay, 1&quot; deep, power</td>
<td>2.10 ACR</td>
<td>3</td>
<td>63</td>
<td>62</td>
<td>1,752</td>
</tr>
<tr>
<td>09. 25.001. 6.02 Crimping, tilling topsoil</td>
<td>2.10 ACR</td>
<td>8</td>
<td>259</td>
<td>75</td>
<td>0</td>
</tr>
<tr>
<td>09. 25.001. 6.03 Seeding, athletic fld mix,</td>
<td>2.40 ACR</td>
<td>105</td>
<td>2,314</td>
<td>0</td>
<td>4,957</td>
</tr>
<tr>
<td>09. 25.001. 6.04 Place Coarse Woody debris/rocks</td>
<td>2.10 ACR</td>
<td>67</td>
<td>1,376</td>
<td>105</td>
<td>105</td>
</tr>
<tr>
<td>09. 25.001. 6.05 Plant Mesquite/Shrub mix using</td>
<td>1125.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>16,875</td>
</tr>
<tr>
<td>TOTAL Planting and Seeding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL Let Down Structures</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL CONSTRUCTION (RESTORATION)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

14 RECREATION

<table>
<thead>
<tr>
<th>QUANTITY UOM</th>
<th>MANHRS</th>
<th>LABOR EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.001. 1 Fencing for Erosion Control</td>
<td>1.80 ACR</td>
<td>179</td>
<td>3,966</td>
<td>0</td>
<td>4,010</td>
</tr>
<tr>
<td>14. 30.001. 2 Clearing &amp; Grubbing, debris</td>
<td>1.80 ACR</td>
<td>27</td>
<td>787</td>
<td>585</td>
<td>0</td>
</tr>
<tr>
<td>14. 30.001. 3 Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.001. 3.01 Ripping, discing to prepare</td>
<td>1.80 ACR</td>
<td>0</td>
<td>9</td>
<td>13</td>
<td>0</td>
</tr>
<tr>
<td>14. 30.001. 3.02 Regrade to req'd slopes, flatten</td>
<td>1.80 ACR</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>QUANTITY</td>
<td>UOM</td>
<td>MANHRS</td>
<td>LABOR</td>
<td>EQUIPMNT</td>
<td>MATERIAL</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
<td>--------</td>
<td>-------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>14. 30.001. 3.03</td>
<td>Regrade surface, scraper-grader,</td>
<td>4410.00 CY</td>
<td>120</td>
<td>3,666</td>
<td>5,920</td>
</tr>
<tr>
<td>14. 30.001. 3.04</td>
<td>Compaction, riding, sheepfoot</td>
<td>8810.00 SY</td>
<td>44</td>
<td>1,219</td>
<td>1,373</td>
</tr>
<tr>
<td>14. 30.001. 3.05</td>
<td>Fine grade, grade subgrade for</td>
<td>8810.00 SY</td>
<td>104</td>
<td>2,902</td>
<td>1,830</td>
</tr>
</tbody>
</table>

**TOTAL Site Preparation**

1.80 ACR | 268 | 7,799 | 9,142 | 0 | 0 | 16,941 | 9411.90 |

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.005</td>
<td>Decomposed Granite Trails</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.005. 1</td>
<td>Clearing &amp; Grubbing, debris</td>
<td>2.00 ACR</td>
<td>28</td>
<td>828</td>
<td>616</td>
<td>0</td>
<td>0</td>
<td>1,444</td>
</tr>
</tbody>
</table>

**TOTAL Clearing & Grubbing, debris**

2.00 ACR | 28 | 828 | 616 | 0 | 0 | 1,444 | 722.14 |

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.005. 2</td>
<td>Site Preparation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.005. 2.01</td>
<td>Ripping, discing to prepare</td>
<td>2.00 ACR</td>
<td>0</td>
<td>10</td>
<td>15</td>
<td>0</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>14. 30.005. 2.02</td>
<td>Regrade, flatten, balance cut</td>
<td>1540.00 CY</td>
<td>0</td>
<td>231</td>
<td>511</td>
<td>0</td>
<td>0</td>
<td>742</td>
</tr>
<tr>
<td>14. 30.005. 2.03</td>
<td>Compaction, riding, sheepfoot/</td>
<td>30640.00 SY</td>
<td>153</td>
<td>4,241</td>
<td>4,774</td>
<td>0</td>
<td>0</td>
<td>9,014</td>
</tr>
</tbody>
</table>

**TOTAL Site Preparation**

2.00 ACR | 161 | 4,481 | 5,300 | 0 | 0 | 9,781 | 4890.62 |

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.005. 3</td>
<td>Decomposed Granite course,</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.005. 3.01</td>
<td>Material and Delivery</td>
<td>3830.00 TON</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>114,900</td>
<td>114,900</td>
</tr>
<tr>
<td>14. 30.005. 3.02</td>
<td>Spread and Compaction</td>
<td>3830.00 TON</td>
<td>153</td>
<td>4,522</td>
<td>2,584</td>
<td>0</td>
<td>0</td>
<td>71,067</td>
</tr>
</tbody>
</table>

**TOTAL Decomposed Granite course,**

275740.00 SF | 153 | 4,522 | 2,584 | 0 | 0 | 114,900 | 122,006 | 0.44 |

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.005. 4</td>
<td>Trail amenities, ADA ramps, sign</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.005. 4</td>
<td>Trail amenities, ADA ramps, sign</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>10,000</td>
<td>10,000</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Decomposed Granite Trails**

1.00 EA | 343 | 9,831 | 8,501 | 0 | 124,900 | 143,232 | 143231.98 |

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMNT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. 30.010</td>
<td>Other Recreation Features</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. 30.010. 1</td>
<td>Paved Trail amenities, curb</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>14. 30.010. 2</td>
<td>Comfort Stations</td>
<td>3.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>300,000</td>
<td>300,000</td>
</tr>
<tr>
<td>14. 30.010. 3</td>
<td>Rest Stops</td>
<td>5.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>14. 30.010. 4</td>
<td>Concrete Benches</td>
<td>21.00 EA</td>
<td>84</td>
<td>1,859</td>
<td>0</td>
<td>13,050</td>
<td>0</td>
<td>14,909</td>
</tr>
<tr>
<td>14. 30.010. 5</td>
<td>Signage</td>
<td>21.00 EA</td>
<td>11</td>
<td>232</td>
<td>0</td>
<td>353</td>
<td>0</td>
<td>585</td>
</tr>
</tbody>
</table>

**TOTAL Other Recreation Features**

1.00 EA | 95 | 2,091 | 0 | 13,402 | 325,000 | 340,494 | 340493.88 |
### PROJECT DIRECT SUMMARY - Assm Cat **

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL RECREATION FEATURES</strong></td>
<td>1.00 EA</td>
<td>912</td>
<td>36,367</td>
<td>32,498</td>
<td>120,476</td>
<td>461,400</td>
<td>650,741</td>
<td>650741.37</td>
</tr>
<tr>
<td><strong>TOTAL RECREATION</strong></td>
<td>1.00 EA</td>
<td>912</td>
<td>36,367</td>
<td>32,498</td>
<td>120,476</td>
<td>461,400</td>
<td>650,741</td>
<td>650741.37</td>
</tr>
</tbody>
</table>

#### 30 PLANNING, ENGINEERING, DESIGN

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.009 Construction</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,120,000</td>
<td>5,120,000</td>
<td>5120000</td>
</tr>
<tr>
<td>30.014 Recreation</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>95,285</td>
<td>95,285</td>
<td>95285.00</td>
</tr>
<tr>
<td><strong>TOTAL PLANNING, ENGINEERING, DESIGN</strong></td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,215,285</td>
<td>5,215,285</td>
<td>5215285</td>
</tr>
</tbody>
</table>

#### 31 CONSTRUCTION MANAGEMENT

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.009 Construction (Restoration)</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,980,000</td>
<td>5,980,000</td>
<td>5980000</td>
</tr>
<tr>
<td>31.014 Recreation</td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>63,879</td>
<td>63,879</td>
<td>63879.00</td>
</tr>
<tr>
<td><strong>TOTAL CONSTRUCTION MANAGEMENT</strong></td>
<td>1.00 EA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6,043,879</td>
<td>6,043,879</td>
<td>6043879</td>
</tr>
</tbody>
</table>

#### TOTAL Paseo de las Iglesias Feas Study

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>UOM</th>
<th>MANHRS</th>
<th>LABOR</th>
<th>EQUIPMENT</th>
<th>MATERIAL</th>
<th>OTHER</th>
<th>TOTAL COST</th>
<th>UNIT COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 EA</td>
<td>344,214</td>
<td>10582793</td>
<td>4845615</td>
<td>12803035</td>
<td>45,821,315</td>
<td>74,052,757</td>
<td>74052757</td>
<td></td>
</tr>
</tbody>
</table>

**OVERHEAD**

<table>
<thead>
<tr>
<th>SUBTOTAL</th>
<th>3,659,359</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOME OFC</td>
<td>77,712,116</td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td>81,371,475</td>
</tr>
</tbody>
</table>

**PROFIT**

<table>
<thead>
<tr>
<th>80,932,352</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,347,319</td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
</tr>
<tr>
<td>BOND</td>
</tr>
</tbody>
</table>

**TOTAL INCL INDIRECTS**

<table>
<thead>
<tr>
<th>85,517,349</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,953,123</td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
</tr>
<tr>
<td>CONTINGENCY</td>
</tr>
<tr>
<td><strong>TOTAL INCL OWNER COSTS</strong></td>
</tr>
<tr>
<td>SRC</td>
</tr>
<tr>
<td>-----</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Currency in DOLLARS
** CREW BACKUP **

<table>
<thead>
<tr>
<th>SRC/ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO. UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>HOURS</th>
<th>COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CODEB12C</td>
<td>1 eqopcrn + 1 hydr excavator, crawler, 2.00 CY</td>
<td>1.00 HR</td>
<td>35.19</td>
<td>1.00</td>
<td>35.19</td>
<td>1.00</td>
<td>72.24</td>
<td>135.67</td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPCRNl Equip. Operators, Crane/Shovel</td>
<td>0.50 HR</td>
<td>22.13</td>
<td>1.00</td>
<td>22.13</td>
<td>1.00</td>
<td>22.13</td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>H2523190  E HYD EXCV, CRAWLER, 70,000LBS,</td>
<td>1.00 HR</td>
<td>72.24</td>
<td>1.00</td>
<td>72.24</td>
<td>1.00</td>
<td>72.24</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>1.50 HR</td>
<td>44.92</td>
<td>1.00</td>
<td>15.12</td>
<td>1.00</td>
<td>15.12</td>
<td>82.12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.00 HR</td>
<td>63.43</td>
<td>1.00</td>
<td>72.24</td>
<td>1.00</td>
<td>72.24</td>
<td>135.67</td>
</tr>
<tr>
<td>CODEB10N</td>
<td>1 eqopmed + 1 loader, F/E, crawler, 1.50 CY</td>
<td>1.00 HR</td>
<td>44.26</td>
<td>1.00</td>
<td>44.26</td>
<td>1.00</td>
<td>44.26</td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPRMEDl Equip. Operators, Medium</td>
<td>0.50 HR</td>
<td>22.13</td>
<td>1.00</td>
<td>22.13</td>
<td>1.00</td>
<td>22.13</td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>L5024640  E LOADER/CRAWLER, 1.50CY</td>
<td>1.00 HR</td>
<td>37.19</td>
<td>1.00</td>
<td>37.19</td>
<td>1.00</td>
<td>37.19</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>1.50 HR</td>
<td>55.08</td>
<td>1.00</td>
<td>15.12</td>
<td>1.00</td>
<td>15.12</td>
<td>80.19</td>
</tr>
<tr>
<td>CODL8B</td>
<td>1 eqoprlt + 1 loader, BH, wheel,0.80 CY F/E bkt</td>
<td>1.00 HR</td>
<td>132.96</td>
<td>1.00</td>
<td>132.96</td>
<td>1.00</td>
<td>132.96</td>
<td>188.04</td>
</tr>
<tr>
<td>MIL</td>
<td>B-LABORER L Laborers, (Semi-Skilled)</td>
<td>1.00 HR</td>
<td>30.80</td>
<td>1.00</td>
<td>30.80</td>
<td>1.00</td>
<td>30.80</td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>L5024640  E LOADER/BCR-HOE, 0.80CY(0.6M3)</td>
<td>1.00 HR</td>
<td>37.19</td>
<td>1.00</td>
<td>37.19</td>
<td>1.00</td>
<td>37.19</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>1.50 HR</td>
<td>75.07</td>
<td>1.00</td>
<td>15.12</td>
<td>1.00</td>
<td>15.12</td>
<td>90.19</td>
</tr>
<tr>
<td>CODEB33D</td>
<td>1 eqopmed + 1 scraper, self propelled, 14-20 CY</td>
<td>1.30 HR</td>
<td>44.01</td>
<td>1.30</td>
<td>44.01</td>
<td>1.30</td>
<td>44.01</td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPRMEDl Equip. Operators, Medium</td>
<td>0.50 HR</td>
<td>22.13</td>
<td>0.50</td>
<td>22.13</td>
<td>0.50</td>
<td>22.13</td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>S1025970  E SCRAPER, SP, 14-20CY (11-15M3)</td>
<td>1.00 HR</td>
<td>103.06</td>
<td>1.00</td>
<td>103.06</td>
<td>1.00</td>
<td>103.06</td>
<td>186.13</td>
</tr>
<tr>
<td>GEN</td>
<td>T1526600  E DOZER, CRAWLER, 341-440HP</td>
<td>0.30 HR</td>
<td>29.89</td>
<td>0.30</td>
<td>29.89</td>
<td>0.30</td>
<td>29.89</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>1.80</td>
<td></td>
<td>1.30</td>
<td></td>
<td>1.30</td>
<td></td>
<td>188.04</td>
</tr>
<tr>
<td>CODEB33F</td>
<td>1 eqopmed + 1 scraper, elev, 11 CY</td>
<td>1.30 HR</td>
<td>67</td>
<td>1.30</td>
<td>67</td>
<td>1.30</td>
<td>67</td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPRMEDl Equip. Operators, Medium</td>
<td>0.50 HR</td>
<td>22.13</td>
<td>0.50</td>
<td>22.13</td>
<td>0.50</td>
<td>22.13</td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>S1025920  E SCRAPER, SP,ELEV, 11CY (8.4M3)</td>
<td>1.00 HR</td>
<td>59.05</td>
<td>1.00</td>
<td>59.05</td>
<td>1.00</td>
<td>59.05</td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>T1526600  E DOZER, CRAWLER, 341-440HP</td>
<td>0.30 HR</td>
<td>29.89</td>
<td>0.30</td>
<td>29.89</td>
<td>0.30</td>
<td>29.89</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>1.80</td>
<td></td>
<td>1.30</td>
<td></td>
<td>1.30</td>
<td></td>
<td>88.94</td>
</tr>
<tr>
<td>CODETB10B</td>
<td>1 eqopmed + 1 dozer, crawler, 181-250 HP</td>
<td>1.00 HR</td>
<td>110.85</td>
<td>1.00</td>
<td>110.85</td>
<td>1.00</td>
<td>110.85</td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPRMEDl Equip. Operators, Medium</td>
<td>0.50 HR</td>
<td>22.13</td>
<td>0.50</td>
<td>22.13</td>
<td>0.50</td>
<td>22.13</td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>T1526520  E DOZER, CRAWLER, 181-250HP</td>
<td>1.00 HR</td>
<td>65.93</td>
<td>1.00</td>
<td>65.93</td>
<td>1.00</td>
<td>65.93</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>1.50</td>
<td></td>
<td>1.00</td>
<td></td>
<td>1.00</td>
<td></td>
<td>110.85</td>
</tr>
<tr>
<td>CODETB10L</td>
<td>1 eqopmed + 1 dozer, crawler, 76-100 HP</td>
<td>1.00 HR</td>
<td>72.45</td>
<td>1.00</td>
<td>72.45</td>
<td>1.00</td>
<td>72.45</td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPRMEDl Equip. Operators, Medium</td>
<td>0.50 HR</td>
<td>22.13</td>
<td>0.50</td>
<td>22.13</td>
<td>0.50</td>
<td>22.13</td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>T1526440  E DOZER, CRAWLER, 76-100HP</td>
<td>1.00 HR</td>
<td>27.53</td>
<td>1.00</td>
<td>27.53</td>
<td>1.00</td>
<td>27.53</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>1.50</td>
<td></td>
<td>1.00</td>
<td></td>
<td>1.00</td>
<td></td>
<td>72.45</td>
</tr>
<tr>
<td>Item ID</td>
<td>Description</td>
<td>No. UOM</td>
<td>Rate</td>
<td>Hours</td>
<td>Cost</td>
<td>Hours</td>
<td>Cost</td>
<td>Total</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>---------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>T1526600</td>
<td>E Dozer, Crawler, 341-440HP</td>
<td>1.00 HR</td>
<td>99.64</td>
<td>1.00</td>
<td>99.64</td>
<td></td>
<td></td>
<td>99.64</td>
</tr>
<tr>
<td>T1526480</td>
<td>E Dozer, Crawler, 101-135HP</td>
<td>1.00 HR</td>
<td>29.83</td>
<td>1.00</td>
<td>29.83</td>
<td></td>
<td></td>
<td>29.83</td>
</tr>
<tr>
<td>T1526520</td>
<td>E Dozer, Crawler, 181-250HP</td>
<td>1.00 HR</td>
<td>65.93</td>
<td>1.00</td>
<td>65.93</td>
<td></td>
<td></td>
<td>65.93</td>
</tr>
<tr>
<td>T5027420</td>
<td>E Truck, HWY 45000(20,412KG)GVW</td>
<td>1.00 HR</td>
<td>45.79</td>
<td>1.00</td>
<td>45.79</td>
<td></td>
<td></td>
<td>45.79</td>
</tr>
<tr>
<td>T4026860</td>
<td>E Rear DUMP BODY, 16-23.5CY(12.2</td>
<td>1.00 HR</td>
<td>2.14</td>
<td></td>
<td>2.14</td>
<td></td>
<td></td>
<td>2.14</td>
</tr>
<tr>
<td>R4525690</td>
<td>E Roller, DD, SP 12.0T</td>
<td>1.00 HR</td>
<td>46.53</td>
<td>1.00</td>
<td>46.53</td>
<td></td>
<td></td>
<td>46.53</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
<tr>
<td>T3025645</td>
<td>E Roller, Static, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td></td>
<td></td>
<td>19.65</td>
</tr>
<tr>
<td>T6027920</td>
<td>E Truck, OFF-HWY, WATER, 6000GAL</td>
<td>1.00 HR</td>
<td>73.85</td>
<td>1.00</td>
<td>73.85</td>
<td></td>
<td></td>
<td>73.85</td>
</tr>
</tbody>
</table>

**CREW ID: NAT01A  UPB ID: UP01EA**

Currency in DOLLARS
** CREW BACKUP **

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO.</th>
<th>UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>HOURS</th>
<th>COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COFG812K</td>
<td>1 eqoprcrn + 1 hydr excav, trk mtd, 6x4, .75 CY</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 178</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPRCRNL Equip. Operators, Crane/Shovel</td>
<td>1.00 HR</td>
<td>35.19</td>
<td>1.00</td>
<td>35.19</td>
<td>35.19</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPROILL Equip. Operators, Oilers</td>
<td>1.00 HR</td>
<td>28.24</td>
<td>1.00</td>
<td>28.24</td>
<td>28.24</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>H3023760 E HYD EXCAV, TRUCK MTD, 0.750CY</td>
<td>1.00 HR</td>
<td>62.84</td>
<td>1.00</td>
<td>62.84</td>
<td>62.84</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** TOTAL **

2.00 | 63.43 | 1.00 | 62.84 | 126.26 |

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO.</th>
<th>UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>HOURS</th>
<th>COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COFG836C</td>
<td>3 eqopmed + 1 dozer, crawler, 251-340 HP</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-LABORER F Laborers, (Semi-Skilled)</td>
<td>1.00 HR</td>
<td>23.13</td>
<td>1.00</td>
<td>23.13</td>
<td>23.13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPMEDL Equip. Operators, Medium</td>
<td>3.00 HR</td>
<td>33.86</td>
<td>3.00</td>
<td>101.57</td>
<td>101.57</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-TRKDRVRL Truck Drivers, Heavy</td>
<td>1.00 HR</td>
<td>27.03</td>
<td>1.00</td>
<td>27.03</td>
<td>27.03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>G1523080 E GRADER, MOTOR, 135 HP (101KW)</td>
<td>1.00 HR</td>
<td>35.31</td>
<td>1.00</td>
<td>35.31</td>
<td>35.31</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>T1526570 E DOZER, CRAWLER, 300-340HP</td>
<td>1.00 HR</td>
<td>83.26</td>
<td>1.00</td>
<td>83.26</td>
<td>83.26</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>R4525690 E ROLLER, VIB, DD, SP 12.0T</td>
<td>1.00 HR</td>
<td>46.53</td>
<td>1.00</td>
<td>46.53</td>
<td>46.53</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>T6027910 E TRUCK, OFF-HWY, WATER, 5000GAL</td>
<td>1.00 HR</td>
<td>40.14</td>
<td>1.00</td>
<td>40.14</td>
<td>40.14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** TOTAL **

5.00 | 151.74 | 4.00 | 205.24 | 356.98 |

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO.</th>
<th>UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>HOURS</th>
<th>COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COKCB25</td>
<td>8 laborers + 1 asph finisher, w/screed, 10' wide</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 163</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-LABORER F Laborers, (Semi-Skilled)</td>
<td>1.00 HR</td>
<td>23.13</td>
<td>1.00</td>
<td>23.13</td>
<td>23.13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-LABORER L Laborers, (Semi-Skilled)</td>
<td>7.00 HR</td>
<td>22.13</td>
<td>7.00</td>
<td>154.92</td>
<td>154.92</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPMEDL Equip. Operators, Medium</td>
<td>3.00 HR</td>
<td>33.86</td>
<td>3.00</td>
<td>101.57</td>
<td>101.57</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>A3020640 E ASPHALT PAVER, 10.0' (3.1M)W,SP</td>
<td>1.00 HR</td>
<td>74.74</td>
<td>1.00</td>
<td>74.74</td>
<td>74.74</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>R4525690 E ROLLER, VIB, DD, SP 12.0T</td>
<td>1.00 HR</td>
<td>46.53</td>
<td>1.00</td>
<td>46.53</td>
<td>46.53</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>R3025645 E ROLLER, STATIC, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td>19.65</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** TOTAL **

11.00 | 279.63 | 3.00 | 140.92 | 420.54 |

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO.</th>
<th>UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>HOURS</th>
<th>COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COKCB25B</td>
<td>8 laborers + 1 roller,vib,tandem,S/P,12Ton,84&quot;w</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 95</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-LABORER F Laborers, (Semi-Skilled)</td>
<td>1.00 HR</td>
<td>23.13</td>
<td>1.00</td>
<td>23.13</td>
<td>23.13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-LABORER L Laborers, (Semi-Skilled)</td>
<td>7.00 HR</td>
<td>22.13</td>
<td>7.00</td>
<td>154.92</td>
<td>154.92</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-EQOPMEDL Equip. Operators, Medium</td>
<td>4.00 HR</td>
<td>33.86</td>
<td>4.00</td>
<td>135.43</td>
<td>135.43</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>A3020640 E ASPHALT PAVER, 10.0' (3.1M)W,SP</td>
<td>1.00 HR</td>
<td>74.74</td>
<td>1.00</td>
<td>74.74</td>
<td>74.74</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>R4525690 E ROLLER, VIB, DD, SP 12.0T</td>
<td>2.00 HR</td>
<td>46.53</td>
<td>2.00</td>
<td>93.07</td>
<td>93.07</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>R3025645 E ROLLER, STATIC, 9 TIRES, SP,14T</td>
<td>1.00 HR</td>
<td>19.65</td>
<td>1.00</td>
<td>19.65</td>
<td>19.65</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** TOTAL **

12.00 | 313.49 | 4.00 | 187.45 | 500.93 |

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO.</th>
<th>UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>HOURS</th>
<th>COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CTDN834C</td>
<td>1 trkdrvhl + 1 trailer, dump, 17 CY</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 36897</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-TRKDRVRL Truck Drivers, Heavy</td>
<td>1.00 HR</td>
<td>27.03</td>
<td>1.00</td>
<td>27.03</td>
<td>27.03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>T5027420 E TRUCK, HWY 45,000 (20,412KG)GVW</td>
<td>1.00 HR</td>
<td>45.79</td>
<td>1.00</td>
<td>45.79</td>
<td>45.79</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN</td>
<td>T4527608 E TRAILER, END DUMP, 17CY, 22T</td>
<td>1.00 HR</td>
<td>4.79</td>
<td>1.00</td>
<td>4.79</td>
<td>4.79</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** TOTAL **

1.00 | 27.03 | 2.00 | 50.57 | 77.60 |

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO.</th>
<th>UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>HOURS</th>
<th>COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SIWRRODM4</td>
<td>4 rodmen</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 429</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIL</td>
<td>B-RODMAN L Rodmen, (Reinforcing)</td>
<td>4.00 HR</td>
<td>39.79</td>
<td>4.00</td>
<td>159.17</td>
<td>159.17</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** TOTAL **

4.00 | 159.17 | 0.00 | 0.00 | 159.17 | 159.17 |
<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO. UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>CREW ID</th>
<th>UPB ID</th>
<th>CREW HOURS</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ULABA2</td>
<td>2 laborers + 1 truck, flatbed, 20,000-25,000 GVW</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 927</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-LABORER F Laborers, (Semi-Skilled)</td>
<td>2.00 HR</td>
<td>22.13</td>
<td>2.00</td>
<td>44.26</td>
<td>44.26</td>
<td>44.26</td>
<td>44.26</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-TRKVRRL Truck Drivers, Light</td>
<td>1.00 HR</td>
<td>26.57</td>
<td>1.00</td>
<td>26.57</td>
<td>26.57</td>
<td>26.57</td>
<td>26.57</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEN T4026960 E TRK FLATBED, 8'X 12'(2.4M X 3.7M)</td>
<td>1.00 HR</td>
<td>0.72</td>
<td>1.00</td>
<td>0.72</td>
<td>0.72</td>
<td>0.72</td>
<td>0.72</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEN T5027400 E TRUCK, HW 25,000 (11,340KG)GVW</td>
<td>1.00 HR</td>
<td>17.77</td>
<td>1.00</td>
<td>17.77</td>
<td>17.77</td>
<td>17.77</td>
<td>17.77</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>** TOTAL **</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.00</td>
<td>70.84</td>
<td>2.00</td>
<td>18.50</td>
<td>89.33</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO. UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>CREW ID</th>
<th>UPB ID</th>
<th>CREW HOURS</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ULABB2</td>
<td>5 laborers</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 2304</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-LABORER F Laborers, (Semi-Skilled)</td>
<td>1.00 HR</td>
<td>23.13</td>
<td>1.00</td>
<td>23.13</td>
<td>23.13</td>
<td>23.13</td>
<td>23.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-LABORER L Laborers, (Semi-Skilled)</td>
<td>4.00 HR</td>
<td>22.13</td>
<td>4.00</td>
<td>88.53</td>
<td>88.53</td>
<td>88.53</td>
<td>88.53</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>** TOTAL **</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5.00</td>
<td>111.66</td>
<td>0.00</td>
<td>0.00</td>
<td>111.66</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO. UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>CREW ID</th>
<th>UPB ID</th>
<th>CREW HOURS</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ULABB20A</td>
<td>2 laborers</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 29940</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-LABORER F Laborers, (Semi-Skilled)</td>
<td>1.00 HR</td>
<td>23.13</td>
<td>1.00</td>
<td>23.13</td>
<td>23.13</td>
<td>23.13</td>
<td>23.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-LABORER L Laborers, (Semi-Skilled)</td>
<td>3.00 HR</td>
<td>22.13</td>
<td>3.00</td>
<td>66.40</td>
<td>66.40</td>
<td>66.40</td>
<td>66.40</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-CEMTFINRL Cement Finishers</td>
<td>2.00 HR</td>
<td>31.59</td>
<td>2.00</td>
<td>63.18</td>
<td>63.18</td>
<td>63.18</td>
<td>63.18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>** TOTAL **</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.00</td>
<td>133.47</td>
<td>0.00</td>
<td>0.00</td>
<td>133.47</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO. UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>CREW ID</th>
<th>UPB ID</th>
<th>CREW HOURS</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ULABCRA</td>
<td>4 laborers</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 163</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-LABORER F Laborers, (Semi-Skilled)</td>
<td>1.00 HR</td>
<td>23.13</td>
<td>1.00</td>
<td>23.13</td>
<td>23.13</td>
<td>23.13</td>
<td>23.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-LABORER L Laborers, (Semi-Skilled)</td>
<td>3.00 HR</td>
<td>22.13</td>
<td>3.00</td>
<td>66.40</td>
<td>66.40</td>
<td>66.40</td>
<td>66.40</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-CEMTFINRL Cement Finishers</td>
<td>2.00 HR</td>
<td>31.59</td>
<td>2.00</td>
<td>63.18</td>
<td>63.18</td>
<td>63.18</td>
<td>63.18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>** TOTAL **</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6.00</td>
<td>152.71</td>
<td>0.00</td>
<td>0.00</td>
<td>152.71</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO. UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>CREW ID</th>
<th>UPB ID</th>
<th>CREW HOURS</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UOENB40A</td>
<td>1 eqoprcrn + 1 crane, mech, crawler, 25 ton</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 3082</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-EQOPRCRNL Equip. Operators, Crane/Shovel</td>
<td>1.00 HR</td>
<td>35.19</td>
<td>1.00</td>
<td>35.19</td>
<td>35.19</td>
<td>35.19</td>
<td>35.19</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-EQOPRLT L Equip. Operators, Light</td>
<td>1.00 HR</td>
<td>30.80</td>
<td>1.00</td>
<td>30.80</td>
<td>30.80</td>
<td>30.80</td>
<td>30.80</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-LABORER L Laborers, (Semi-Skilled)</td>
<td>1.00 HR</td>
<td>22.13</td>
<td>1.00</td>
<td>22.13</td>
<td>22.13</td>
<td>22.13</td>
<td>22.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEN C8522550 E CRANE, MECH, CRWLR, LIFTING, 25</td>
<td>1.00 HR</td>
<td>53.86</td>
<td>1.00</td>
<td>53.86</td>
<td>53.86</td>
<td>53.86</td>
<td>53.86</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEN A1520160 E AIR COMPRESSOR, 600CFM, 100 PS</td>
<td>1.00 HR</td>
<td>32.17</td>
<td>1.00</td>
<td>32.17</td>
<td>32.17</td>
<td>32.17</td>
<td>32.17</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEN A2020480 E AIR HOSE, 1.5&quot;X 100' (38MMX 31M)</td>
<td>1.00 HR</td>
<td>0.53</td>
<td>1.00</td>
<td>0.53</td>
<td>0.53</td>
<td>0.53</td>
<td>0.53</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>** TOTAL **</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.00</td>
<td>116.36</td>
<td>3.00</td>
<td>86.56</td>
<td>202.92</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SRC</th>
<th>ITEM ID</th>
<th>DESCRIPTION</th>
<th>NO. UOM</th>
<th>RATE</th>
<th>HOURS</th>
<th>COST</th>
<th>CREW ID</th>
<th>UPB ID</th>
<th>CREW HOURS</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>USKCSKW2</td>
<td>2 skillwkrs</td>
<td>PROD = 100%</td>
<td>CREW HOURS = 101</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MIL B-SKILLWKRL Skilled Workers</td>
<td>2.00 HR</td>
<td>23.35</td>
<td>2.00</td>
<td>46.69</td>
<td>46.69</td>
<td>46.69</td>
<td>46.69</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>** TOTAL **</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.00</td>
<td>46.69</td>
<td>0.00</td>
<td>0.00</td>
<td>46.69</td>
</tr>
<tr>
<td>SRC LABOR ID</td>
<td>DESCRIPTION</td>
<td>BASE</td>
<td>OVERTM TXS/INS</td>
<td>FRNG</td>
<td>TRVL</td>
<td>RATE</td>
<td>UOM</td>
<td>UPDATE</td>
<td>DEFAULT</td>
<td>HOURS</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------</td>
<td>--------</td>
<td>----------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>--------</td>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td>MIL B-CARPENTER</td>
<td>Carpenter</td>
<td>20.25</td>
<td>0.0%</td>
<td>37.8%</td>
<td>5.17</td>
<td>33.07</td>
<td>HR</td>
<td>05/19/05</td>
<td>31.68</td>
<td>742</td>
</tr>
<tr>
<td>MIL B-CEMTFINR</td>
<td>Cement Finisher</td>
<td>20.00</td>
<td>0.0%</td>
<td>27.9%</td>
<td>6.01</td>
<td>31.59</td>
<td>HR</td>
<td>02/06/04</td>
<td>28.47</td>
<td>326</td>
</tr>
<tr>
<td>MIL B-EQOPRCRN</td>
<td>Equip. Operator, Crane/Shovel</td>
<td>22.22</td>
<td>0.0%</td>
<td>29.2%</td>
<td>6.48</td>
<td>35.19</td>
<td>HR</td>
<td>05/19/05</td>
<td>32.62</td>
<td>9048</td>
</tr>
<tr>
<td>MIL B-EQOPRLT</td>
<td>Equip. Operator, Light</td>
<td>19.91</td>
<td>0.0%</td>
<td>29.2%</td>
<td>5.08</td>
<td>30.80</td>
<td>HR</td>
<td>02/06/04</td>
<td>28.51</td>
<td>5099</td>
</tr>
<tr>
<td>MIL B-EQOPRMED</td>
<td>Equip. Operator, Medium</td>
<td>21.19</td>
<td>0.0%</td>
<td>29.2%</td>
<td>6.48</td>
<td>33.86</td>
<td>HR</td>
<td>05/19/05</td>
<td>30.27</td>
<td>28508</td>
</tr>
<tr>
<td>MIL B-EQOPROIL</td>
<td>Equip. Operator, Oiler</td>
<td>16.84</td>
<td>0.0%</td>
<td>29.2%</td>
<td>6.48</td>
<td>28.24</td>
<td>HR</td>
<td>05/19/05</td>
<td>24.69</td>
<td>9048</td>
</tr>
<tr>
<td>MIL B-LABORER</td>
<td>Laborer (Semi-Skilled)</td>
<td>13.07</td>
<td>0.0%</td>
<td>37.2%</td>
<td>4.20</td>
<td>22.13</td>
<td>HR</td>
<td>05/19/05</td>
<td>23.81</td>
<td>155050</td>
</tr>
<tr>
<td>MIL B-PLUMBER</td>
<td>Plumber</td>
<td>28.75</td>
<td>0.0%</td>
<td>32.0%</td>
<td>9.95</td>
<td>47.90</td>
<td>HR</td>
<td>05/19/05</td>
<td>34.82</td>
<td>59880</td>
</tr>
<tr>
<td>MIL B-RODMAN</td>
<td>Rodman (Reinforcing)</td>
<td>20.91</td>
<td>0.0%</td>
<td>40.8%</td>
<td>10.35</td>
<td>39.79</td>
<td>HR</td>
<td>02/06/04</td>
<td>36.56</td>
<td>1717</td>
</tr>
<tr>
<td>MIL B-SKILLWKR</td>
<td>Skilled Worker</td>
<td>14.68</td>
<td>0.0%</td>
<td>35.2%</td>
<td>3.50</td>
<td>23.35</td>
<td>HR</td>
<td>02/06/04</td>
<td>25.96</td>
<td>202</td>
</tr>
<tr>
<td>MIL B-TRKDVHV</td>
<td>Truck Driver, Heavy</td>
<td>16.33</td>
<td>0.0%</td>
<td>35.1%</td>
<td>4.97</td>
<td>27.03</td>
<td>HR</td>
<td>05/19/05</td>
<td>24.66</td>
<td>40466</td>
</tr>
<tr>
<td>MIL B-TRKDVRLT</td>
<td>Truck Driver, Light</td>
<td>15.99</td>
<td>0.0%</td>
<td>35.1%</td>
<td>4.97</td>
<td>26.57</td>
<td>HR</td>
<td>05/19/05</td>
<td>23.25</td>
<td>927</td>
</tr>
<tr>
<td>MIL X-EQOPRHV</td>
<td>Outside Equip. Operator, Heavy</td>
<td>22.02</td>
<td>0.0%</td>
<td>29.2%</td>
<td>5.08</td>
<td>33.53</td>
<td>HR</td>
<td>02/06/04</td>
<td>31.93</td>
<td>162</td>
</tr>
<tr>
<td>MIL X-EQOPRLT</td>
<td>Outside Equip. Operator, Light</td>
<td>19.91</td>
<td>0.0%</td>
<td>29.2%</td>
<td>5.08</td>
<td>30.80</td>
<td>HR</td>
<td>02/06/04</td>
<td>28.22</td>
<td>3672</td>
</tr>
<tr>
<td>MIL X-EQOPRMED</td>
<td>Outside Equip. Operator, Medium</td>
<td>20.99</td>
<td>0.0%</td>
<td>29.2%</td>
<td>5.08</td>
<td>32.20</td>
<td>HR</td>
<td>02/06/04</td>
<td>30.68</td>
<td>277</td>
</tr>
<tr>
<td>MIL X-EQOPROIL</td>
<td>Outside Equip. Oiler</td>
<td>16.64</td>
<td>0.0%</td>
<td>29.2%</td>
<td>5.08</td>
<td>26.58</td>
<td>HR</td>
<td>02/06/04</td>
<td>24.82</td>
<td>162</td>
</tr>
<tr>
<td>MIL X-LABORER</td>
<td>Outside Laborer</td>
<td>12.37</td>
<td>0.0%</td>
<td>37.2%</td>
<td>3.50</td>
<td>20.47</td>
<td>HR</td>
<td>02/06/04</td>
<td>24.50</td>
<td>27441</td>
</tr>
<tr>
<td>MIL X-STRSTEEL</td>
<td>Outside Steel Worker</td>
<td>20.91</td>
<td>0.0%</td>
<td>55.8%</td>
<td>10.35</td>
<td>42.93</td>
<td>HR</td>
<td>02/06/04</td>
<td>39.01</td>
<td>809</td>
</tr>
<tr>
<td>MIL X-TRKDVRLT</td>
<td>Outside Truck Driver, Light</td>
<td>15.33</td>
<td>0.0%</td>
<td>35.1%</td>
<td>4.67</td>
<td>25.38</td>
<td>HR</td>
<td>02/06/04</td>
<td>23.49</td>
<td>604</td>
</tr>
<tr>
<td>SRC</td>
<td>ID.NO.</td>
<td>EQUIPMENT DESCRIPTION</td>
<td>DEPR</td>
<td>FCCM</td>
<td>FUEL</td>
<td>FOG</td>
<td>TR WR</td>
<td>TR REP</td>
<td>EQ REP</td>
<td>TOTAL RATE</td>
</tr>
<tr>
<td>-----</td>
<td>--------</td>
<td>-----------------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>-------</td>
<td>--------</td>
<td>--------</td>
<td>------------</td>
</tr>
<tr>
<td>GEN</td>
<td>A15Z0160</td>
<td>AIR COMPRESSOR, 600CFM, 100 PSI</td>
<td>5.36</td>
<td>1.56</td>
<td>13.86</td>
<td>4.87</td>
<td>0.15</td>
<td>0.03</td>
<td>6.35</td>
<td>32.17 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>A20Z0480</td>
<td>AIR HOSE, 1.5&quot; X 100' (38MM X 31M)</td>
<td>0.17</td>
<td>0.02</td>
<td>0.34</td>
<td>0.53</td>
<td></td>
<td></td>
<td></td>
<td>0.53 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>A30Z0640</td>
<td>ASPHALT PAVER, 10' X 360 CFM, 100 PSI</td>
<td>51.99</td>
<td>17.18</td>
<td>15.41</td>
<td>5.77</td>
<td>4.45</td>
<td>0.78</td>
<td>61.27</td>
<td>156.85 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>B50Z2280</td>
<td>CRANE, HYD, TRUCK MTD, 60T</td>
<td>35.30</td>
<td>12.17</td>
<td>14.76</td>
<td>4.87</td>
<td>0.25</td>
<td>0.04</td>
<td>4.57</td>
<td>138.23 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>C80Z2280</td>
<td>CRANE, MECH, CRWLR, LIFTING, 25T</td>
<td>28.75</td>
<td>9.69</td>
<td>11.81</td>
<td>4.49</td>
<td>1.72</td>
<td>0.30</td>
<td>13.13</td>
<td>39.46 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>C85Z2550</td>
<td>CRANE, MECH, CRWLR, LIFTING, 50T</td>
<td>32.17</td>
<td>10.72</td>
<td>12.81</td>
<td>4.49</td>
<td>1.72</td>
<td>0.30</td>
<td>13.13</td>
<td>39.46 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>D05Z3080</td>
<td>CRANE, MECH, CRWLR, LIFTING, 100T</td>
<td>40.74</td>
<td>13.61</td>
<td>15.81</td>
<td>5.31</td>
<td>2.05</td>
<td>0.34</td>
<td>13.86</td>
<td>41.65 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>E25Z3185</td>
<td>EXCAVATOR, CRAWLER, 120,000 LBS (54,430 KG)</td>
<td>17.33</td>
<td>5.51</td>
<td>8.76</td>
<td>4.10</td>
<td></td>
<td></td>
<td></td>
<td>22.39 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>E25Z3190</td>
<td>EXCAVATOR, CRAWLER, 170,000 LBS (77,110 KG)</td>
<td>21.63</td>
<td>6.64</td>
<td>11.58</td>
<td>5.42</td>
<td></td>
<td></td>
<td></td>
<td>26.98 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>F25Z3760</td>
<td>HYD EXCAVATOR, TRUCK MTD, 1CY (0.7M3)</td>
<td>24.35</td>
<td>5.28</td>
<td>9.29</td>
<td>4.13</td>
<td>0.64</td>
<td>0.11</td>
<td>19.04</td>
<td>62.84 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>L35Z3880</td>
<td>HYDROMULCHER, 3000 GAL (11,356L)</td>
<td>9.43</td>
<td>1.04</td>
<td>7.06</td>
<td>2.07</td>
<td></td>
<td></td>
<td></td>
<td>9.45 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>L35Z4240</td>
<td>LOADER/BCK-HOE,WH, 0.80CY (0.6M3)</td>
<td>3.76</td>
<td>1.14</td>
<td>3.13</td>
<td>1.24</td>
<td>0.72</td>
<td>0.13</td>
<td>5.00</td>
<td>17.59 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>L50Z4640</td>
<td>LOADER/BCK-HOE,WH, 0.80CY (0.6M3)</td>
<td>3.76</td>
<td>1.14</td>
<td>3.13</td>
<td>1.24</td>
<td>0.72</td>
<td>0.13</td>
<td>5.00</td>
<td>17.59 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>R30Z5645</td>
<td>ROLLER, STATIC, 9 TIRES, SP, 14T</td>
<td>6.05</td>
<td>1.32</td>
<td>4.17</td>
<td>1.22</td>
<td>0.34</td>
<td>0.06</td>
<td>6.49</td>
<td>19.65 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>R45Z5580</td>
<td>ROLLER, VIB, SD, SP 13.0T</td>
<td>13.61</td>
<td>2.95</td>
<td>10.54</td>
<td>4.19</td>
<td>0.48</td>
<td>0.08</td>
<td>22.93</td>
<td>54.79 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>R45Z5690</td>
<td>ROLLER, VIB, DD, SP 12.0T</td>
<td>12.58</td>
<td>2.68</td>
<td>7.27</td>
<td>2.89</td>
<td></td>
<td></td>
<td></td>
<td>21.13 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>S10Z5920</td>
<td>SCRAPER, SP,ELEV, 11CY (8.4M3)</td>
<td>17.33</td>
<td>4.69</td>
<td>9.12</td>
<td>4.48</td>
<td>2.46</td>
<td>0.43</td>
<td>20.54</td>
<td>59.05 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T10Z6480</td>
<td>DOZER, CRAWLER, 101-135HP</td>
<td>6.88</td>
<td>1.97</td>
<td>5.12</td>
<td>2.28</td>
<td></td>
<td></td>
<td></td>
<td>13.59 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T15Z6520</td>
<td>DOZER, CRAWLER, 181-250HP</td>
<td>15.87</td>
<td>7.11</td>
<td>13.65</td>
<td>4.79</td>
<td></td>
<td></td>
<td></td>
<td>24.50 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T15Z6570</td>
<td>DOZER, CRAWLER, 300-340HP</td>
<td>19.61</td>
<td>8.78</td>
<td>18.20</td>
<td>6.39</td>
<td></td>
<td></td>
<td></td>
<td>30.28 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T15Z6600</td>
<td>DOZER, CRAWLER, 341-440HP</td>
<td>22.90</td>
<td>10.26</td>
<td>23.04</td>
<td>8.09</td>
<td></td>
<td></td>
<td></td>
<td>35.41 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T25Z6440</td>
<td>TRACTOR, WH, 10-15 HP, 2X4</td>
<td>6.42</td>
<td>1.84</td>
<td>4.55</td>
<td>2.02</td>
<td></td>
<td></td>
<td></td>
<td>12.69 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T25Z6480</td>
<td>TRACTOR, WH, 10-15 HP, 2X4</td>
<td>6.42</td>
<td>1.84</td>
<td>4.55</td>
<td>2.02</td>
<td></td>
<td></td>
<td></td>
<td>12.69 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T25Z6720</td>
<td>TRACTOR, WH, 16-30 HP</td>
<td>2.04</td>
<td>0.42</td>
<td>2.09</td>
<td>0.73</td>
<td>0.27</td>
<td>0.05</td>
<td>2.07</td>
<td>7.67 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T25Z6920</td>
<td>TRACTOR, WH, 30-40 HP</td>
<td>19.61</td>
<td>8.78</td>
<td>18.20</td>
<td>6.39</td>
<td></td>
<td></td>
<td></td>
<td>30.28 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T50Z7400</td>
<td>TRUCK, HWY 25, 000 (11,340KG)GVW</td>
<td>3.48</td>
<td>0.87</td>
<td>6.88</td>
<td>3.63</td>
<td></td>
<td></td>
<td></td>
<td>11.48 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T50Z7420</td>
<td>TRUCK, HWY 45, 000 (20,412KG)GVW</td>
<td>10.97</td>
<td>2.40</td>
<td>15.62</td>
<td>5.48</td>
<td>0.97</td>
<td>0.17</td>
<td>10.16</td>
<td>45.79 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T60Z7910</td>
<td>TRUCK, OFF-HWY, WATER, 5000GAL</td>
<td>10.38</td>
<td>3.38</td>
<td>9.12</td>
<td>3.63</td>
<td>1.82</td>
<td>0.32</td>
<td>11.48</td>
<td>40.14 HR</td>
</tr>
<tr>
<td>GEN</td>
<td>T60Z7920</td>
<td>TRUCK, OFF-HWY, WATER, 6000GAL</td>
<td>18.80</td>
<td>6.13</td>
<td>17.21</td>
<td>6.84</td>
<td>3.45</td>
<td>0.61</td>
<td>20.80</td>
<td>73.85 HR</td>
</tr>
</tbody>
</table>
No errors detected...

* * * END OF ERROR REPORT * * *

---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
# Summary Reports

<table>
<thead>
<tr>
<th>Report Type</th>
<th>Summary Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Owner Summary - Scope</td>
<td>1</td>
</tr>
<tr>
<td>Project Owner Summary - Facility</td>
<td>2</td>
</tr>
<tr>
<td>Project Owner Summary - System</td>
<td>3</td>
</tr>
<tr>
<td>Project Owner Summary - Subsystem</td>
<td>5</td>
</tr>
<tr>
<td>Project Owner Summary - Asm Cat</td>
<td>10</td>
</tr>
<tr>
<td>Project Indirect Summary - Facility</td>
<td>23</td>
</tr>
<tr>
<td>Project Indirect Summary - System</td>
<td>24</td>
</tr>
<tr>
<td>Project Indirect Summary - Subsystem</td>
<td>26</td>
</tr>
<tr>
<td>Project Indirect Summary - Asm Cat</td>
<td>31</td>
</tr>
<tr>
<td>Project Direct Summary - Scope</td>
<td>43</td>
</tr>
<tr>
<td>Project Direct Summary - Facility</td>
<td>44</td>
</tr>
<tr>
<td>Project Direct Summary - System</td>
<td>46</td>
</tr>
<tr>
<td>Project Direct Summary - Subsystem</td>
<td>49</td>
</tr>
<tr>
<td>Project Direct Summary - Asm Cat</td>
<td>55</td>
</tr>
</tbody>
</table>

# Detailed Estimate

<table>
<thead>
<tr>
<th>Section</th>
<th>Detail Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>01. Lands and Damages (Real Estate)</td>
<td>1</td>
</tr>
<tr>
<td>09. Construction (Restoration)</td>
<td></td>
</tr>
<tr>
<td>01. Irrigation Planting</td>
<td>1</td>
</tr>
<tr>
<td>05. Basins Planting</td>
<td>24</td>
</tr>
<tr>
<td>10. Hardened Banks</td>
<td>31</td>
</tr>
<tr>
<td>15. Piping</td>
<td>34</td>
</tr>
<tr>
<td>20. Roads &amp; Bridges</td>
<td>38</td>
</tr>
<tr>
<td>25. Let Down Structures</td>
<td>46</td>
</tr>
<tr>
<td>14. Recreation</td>
<td></td>
</tr>
<tr>
<td>30. Recreation Features</td>
<td>50</td>
</tr>
<tr>
<td>30. Planning, Engineering, Design</td>
<td></td>
</tr>
<tr>
<td>009. Construction</td>
<td>55</td>
</tr>
<tr>
<td>014. Recreation</td>
<td>56</td>
</tr>
<tr>
<td>31. Construction Management</td>
<td></td>
</tr>
<tr>
<td>009. Construction (Restoration)</td>
<td>57</td>
</tr>
<tr>
<td>014. Recreation</td>
<td>58</td>
</tr>
</tbody>
</table>

# Backup Reports

<table>
<thead>
<tr>
<th>Report Type</th>
<th>Backup Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crew Backup</td>
<td>1</td>
</tr>
<tr>
<td>Labor Backup</td>
<td>6</td>
</tr>
<tr>
<td>Equipment Backup</td>
<td>7</td>
</tr>
</tbody>
</table>

* * * END TABLE OF CONTENTS * * *