


| WATER TREATMENT PLANT EXPANSION <br> MIAMI RWD \#2, MIAMI COUNTY, KANSAS | NOTES: |
| :---: | :---: |
| PROPOSED SITE PLAN |  |

PROJECT NO. 2018-MAAM2-02-001
$\square$ SHEET NO.

|  |  |  | Miami RWD No. 2 Project Financing |  |  | 3-17-2020 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Project Phase | Total | Phase 1 | Phase 2 | Phase 3 |
|  |  | Lender | Lender | SRF | SFR | SRF |
| Construction Costs |  |  |  |  |  |  |
| No. | Item | Unit | Total All Phases | Phase 1 | Phase 2 | Phase 3 |
| 1 | Construction Cost | LS | \$ 20,936,200 | \$ 4,795,200 | \$ 8,060,400 | \$ 8,080,600 |
| 2 | AIS | 3\% | \$ 628,086 | \$ 143,856 | \$ 241,812 | \$ 242,418 |
| 3 | Davis Bacon | 7\% | \$ 1,465,534 | \$ 335,664 | \$ 564,228 | \$ 565,642 |
| 4 | Overhead | 20\% | 4,187,240 | \$ 959,040 | \$ 1,612,080 | \$ 1,616,120 |
| 5 | Total Construction Cost | LS | \$ 27,217,060 | \$ 6,233,760 | \$ 10,478,520 | \$ 10,504,780 |


| Professional Administrative Fees |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. |  | Item Unit | Total All Phases |  | Phase 1 |  | Phase 2 |  | Phase 3 |  |
| 1 | Pre Design |  | \$ | 544,341 | \$ | 544,341 | \$ | - | \$ | - |
| 2 | Design |  | \$ | 1,905,194 | \$ | 436,363 | \$ | 733,496 | \$ | 735,335 |
| 3 | Bidding Services |  | \$ | 120,000 | \$ | 40,000 | \$ | 40,000 | \$ | 40,000 |
| 4 | Permitting |  | \$ | 120,000 | \$ | 40,000 | \$ | 40,000 | \$ | 40,000 |
| 5 | Geotech Report |  | \$ | 40,000 | \$ | 40,000 | \$ | - | \$ | - |
| 6 | Legal |  | \$ | 136,085 | \$ | 31,169 | \$ | 52,393 | \$ | 52,524 |
| 7 | Interim Financing/Bond Council |  | \$ | 816,512 | \$ | 187,013 | \$ | 314,356 | \$ | 315,143 |
| 8 | Environmental |  | \$ | 7,000 | \$ | 7,000 | \$ | - | \$ | - |
| 9 | Construction Administration |  | \$ | 544,341 | \$ | 124,675 | \$ | 209,570 | \$ | 210,096 |
| 10 | Observation |  | \$ | 819,000 | \$ | 234,000 | \$ | 234,000 | \$ | 351,000 |
| 11 | Additional Engineering* |  | \$ | 190,519 | \$ | 43,636 | \$ | 73,350 | \$ | 73,533 |
| 12 | Material Testing |  | \$ | 508,950 | \$ | 70,200 | \$ | 175,500 | \$ | 263,250 |
| 10\% | of design * | Subtotal | \$ | 5,751,943 | \$ | 1,798,398 | \$ | 1,872,665 | \$ | 2,080,881 |
|  |  | Grand Total | \$ | 32,969,003 | \$ | 8,032,158 | \$ | 12,351,185 | \$ | 12,585,661 |
|  |  | Financing Reserve | \$ | 3,663,223 | \$ | 892,462 | \$ | 1,372,354 | \$ | 1,398,407 |
|  |  | Total Construction w/ Financing Fees | \$ | 36,632,226 | \$ | 8,924,619 | \$ | 13,723,538 | \$ | 13,984,068 |
|  |  | Owner Contribution | \$ | - | \$ | - | \$ | - | \$ | - |
|  |  | Construction w/ Financing Less Owner Contribution | \$ | 36,632,226 | \$ | 8,924,619 | \$ | 13,723,538 | \$ | 13,984,068 |
|  |  | Term (Years) |  | 30 |  | 30 |  | 30 |  | 30 |
|  |  | Rate (\%) |  | 1.73\% |  | 1.73\% |  | 1.73\% |  | 1.73\% |
|  |  | Annual Payment | \$ | $(1,575,531)$ | \$ | $(383,843)$ | \$ | $(590,241)$ | \$ | $(601,447)$ |
|  |  | Lifetime Payments | \$ | $(43,602,696)$ | \$ | $(10,622,818)$ | \$ | $(16,334,887)$ | \$ | $(16,644,991)$ |
|  |  | DSCR |  | 25\% |  | 25\% |  | 25\% |  | 25\% |
|  |  | Debt Reserve |  | 0\% |  | 0\% |  | 0\% |  | 0\% |
|  |  | Annual Payment w/ Reserves (1st 10 years) | \$ | 1,969,413 | \$ | 479,803 | \$ | 737,802 | \$ | 751,808 |
|  |  | Cumulative Annual Payment w/Reserves | \$ | 1,969,413 | \$ | 479,803 | \$ | 1,217,605 | \$ | 1,969,413 |
|  |  | Cost/1000 per 2.88 MGPD | \$ | 1.8826 | \$ | 0.4587 | \$ | 0.7053 | \$ | 0.7187 |
|  |  | Accumulative Cost/1000 per 2.88 MGPD | \$ | 1.8826 | \$ | 0.4587 | \$ | 1.1639 | \$ | 1.8826 |

6 MGD WTP Expansion Schedule of Values





