



Control Number: 48033



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DOCKET NO. 48033

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APPLICATION OF CRYSTAL §  
SPRINGS WATER CO., INC. TO §  
AMEND A CERTIFICATE OF §  
CONVENIENCE AND NECESSITY IN §  
MONTGOMERY COUNTY

PUBLIC UTILITY COMMISSION  
PUBLIC UTILITY COMMISSION  
FILING CLERK  
OF TEXAS

CRYSTAL SPRINGS WATER CO., INC'S OBJECTIONS  
AND RESPONSES TO COMMISSION STAFF'S  
FIRST REQUEST FOR INFORMATION

Applicant, Crystal Springs Water Co., Inc. submits the following Responses to  
Commission Staff's First Request for Information.

**Objections and Responses to Commission Staff's First Request for Information**

Staff 1-1 Reference Attachment M of the application. Provide the total estimated cost of  
constructing the water system – water plant and water distribution system-and  
provide any documents supporting this estimate.

Response: Page 1 of the Pro Forma indicates \$400,000 for water plant construction in Year 1  
with an additional \$100,000 in Year 5 for an additional well. Page 1 of the Pro  
Forma also indicates \$120,000 for the distribution system, with an additional  
\$120,000 in Year 2. The recent cost estimate actually came in a little higher than  
that for Year 1. See Attachment 1 for cost estimates.

Staff 1-2 Identify the source(s) of funding that will be used to construct the water system and  
provide any loan agreements, letters of credit, or other documents confirming the  
availability of funds.

Response: Crystal Springs Water Co., Inc. intends to use existing water revenues to fund the  
new water plant.

Respectfully submitted,

WaterEngineers, Inc.  
17230 Huffmeister Road, Suite A  
Cypress, Texas 77429  
Telephone: (281) 373-0500  
Fax (281) 373-1113

By: Shelley Young  
Shelley Young, P.E.

Engineer for Crystal Springs Water Co., Inc.

### VERIFICATION

STATE OF TEXAS           §  
   §  
COUNTY OF MONTGOMERY §

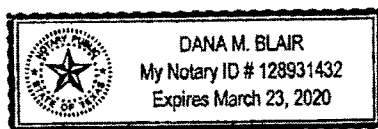
I hereby verify that the foregoing Objections and Responses to Commission Staff's First Request for Information Nos. Staff 1-1 and Staff 1-2 are true and correct.

By: Shelley Young  
Shelley Young, P.E.  
Water Engineers., Inc.

SUBSCRIBED AND SWORN TO BEFORE ME this 27<sup>th</sup> day of April, 2018.

Dana Blair  
Notary Public, State of Texas

[SEAL]



Dana Blair  
Printed Name

My Commission Expires: March 23, 2020

CERTIFICATE OF SERVICE

I hereby certify that on April 27, 2018, the foregoing document and attachments were filed with all parties of record in this proceeding via electronic submission through the PUC Filer and via delivery of hard copies to Central Records at the PUC.

  
Shelley Young

# ATTACHMENT 1

## WATER PLANT AND DISTRIBUTION SYSTEM COST ESTIMATES

## CONSTRUCTION COST ESTIMATE

Construction of Monterrey Oaks Groundwater Supply Plant  
Phase 1 to Serve 240 Connections

| Item No. | Description   | Quan. | Unit | Unit Price | Total            |
|----------|---|-------|------|------------|------------------|
| 1        | SWPPP   | 200   | LF   | \$3        | \$600            |
| 2        | Portable Toilet Facilities During Construction      | 4     | MO   | \$150      | \$600            |
| 3        | Clearing & Grubbing                                 | 1     | LS   | \$2,500    | \$2,500          |
| 4        | Site Fencing - Chain Link                           | 410   | LF   | \$30       | \$12,300         |
| 5        | 6" Water Well, 15 HP Pump, 150 gpm                  | 1     | LS   | \$75,000   | \$75,000         |
| 6        | 4" GIP Piping, Well - GST                           | 25    | LF   | \$60       | \$1,500          |
| 7        | 10" GIP Piping GST-OP BLDG                          | 20    | LF   | \$100      | \$2,000          |
| 8        | 10" Gate Valve                                      | 1     | EA   | \$900      | \$900            |
| 9        | 8" GIP Piping OP Bldg -HPT- Dist                    | 30    | LF   | \$75       | \$2,250          |
| 10       | Pump Suction Manifold & Valves                      | 1     | EA   | \$5,000    | \$5,000          |
| 11       | Pump Discharge Manifold & Valves                    | 1     | EA   | \$5,000    | \$5,000          |
| 12       | 8" Gate Valve & Box                                 | 3     | EA   | \$750      | \$2,250          |
| 13       | 6" C-900 Piping HPT- Dist                           | 20    | LF   | \$40       | \$800            |
| 14       | 6" Gate Valve & Box                                 | 2     | EA   | \$600      | \$1,200          |
| 15       | 4" C-900 Piping HPT- Dist                           | 20    | LF   | \$30       | \$600            |
| 16       | 4" Gate Valve & Box                                 | 3     | EA   | \$500      | \$1,500          |
| 17       | GST Concrete Foundation & Pad                       | 30    | CY   | \$500      | \$15,000         |
| 18       | Concrete Foundation For HPT                         | 6     | CY   | \$500      | \$3,000          |
| 19       | Booster Pump/Chem/Storage Slab & Cover              | 320   | SF   | \$50       | \$16,000         |
| 20       | Painting  | 1     | LS   | \$5,000    | \$5,000          |
| 21       | 83,000 Gal Bolted Ground Storage Tank               | 1     | LS   | \$65,000   | \$65,000         |
| 22       | Hydropneumatic Tank, 5,000 gallon                   | 1     | LS   | \$25,000   | \$25,000         |
| 23       | 350 gpm @ 55 psi Booster Pumps, 25 HP               | 3     | Ea   | \$5,000    | \$15,000         |
| 24       | Chlorination Equipment (Liquid)                     | 1     | LS   | \$2,500    | \$2,500          |
| 25       | Misc Piping & Tubing in Conduit                     | 200   | LF   | \$10       | \$2,000          |
| 26       | Well Booster Pump Control Panel & Pressure Switches | 1     | LS   | \$14,000   | \$14,000         |
| 27       | Electrical Service Rack & Disconnects               | 1     | LS   | \$10,000   | \$10,000         |
| 28       | Electrical Conduit, Wiring & Switches               | 1     | LS   | \$12,000   | \$12,000         |
| 29       | 150 kW Diesel Generator & 200 Amp ATS               | 1     | LS   | \$65,000   | \$65,000         |
| 30       | Subtotal  |       |      |            | <b>\$363,500</b> |
| 31       | Contingency @ 10%                                   |       |      |            | <b>\$36,350</b>  |
| 32       | Total Estimated Construction Cost                   |       |      |            | <b>\$399,850</b> |

PRELIMINARY QUANTITY TABLE

| NO. | ITEM                  | QUANTITY | EST EA   | TOTAL     |
|-----|-----------------------|----------|----------|-----------|
| 1.  | 6" WATER LINE         | 3,760 LF | \$ 25    | \$ 94,000 |
| 2.  | 6" GATE VALVE & BOX   | 7 EA     | \$ 720   | \$ 5,040  |
| 3.  | FIRE HYDRANT ASSEMBLY | 4 EA     | \$ 3,200 | \$ 12,800 |
| 4.  | 2" WATER LINE         | 140 LF   | \$ 18    | \$ 2,520  |
| 5.  | 2" GATE VALVE & BOX   | 1 EA     | \$ 250   | \$ 250    |
| 6.  | BLOW OFF/AIR VAC      | 1 EA     | \$ 750   | \$ 750    |
| 7.  | WATER METER & STUB    | 44 EA    | \$ 400   | \$ 17,600 |

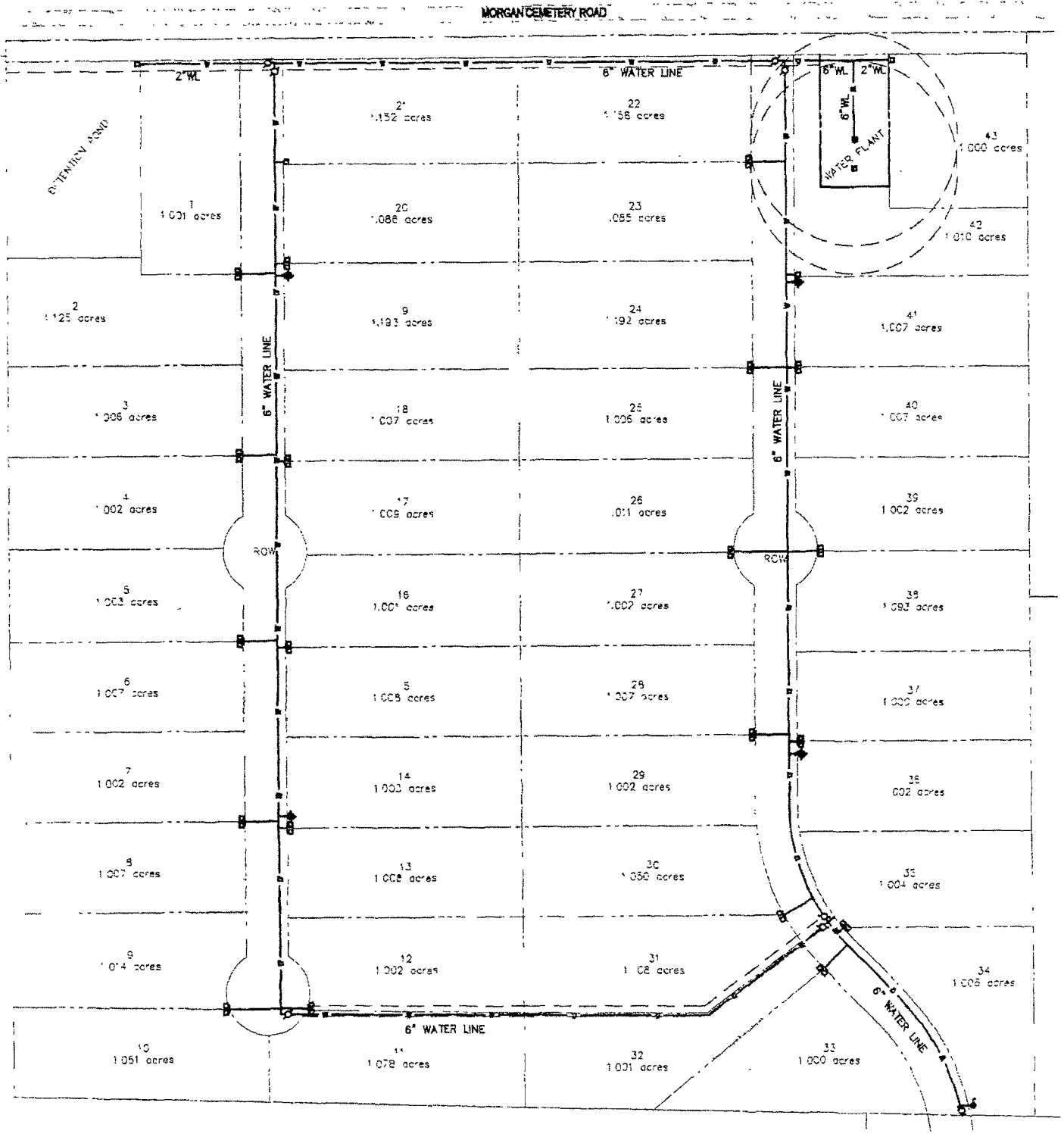
SUB-TOTAL = \$ 132,960

TOTAL ESTIMATE (10% CONTINGENCY) = \$ 146,256

0 50 100 200 400  
SCALE 1" = 200'



*ST*  
4/3/18



Monterrey Oaks - Preliminary Water System