

CASTLE ROCK WATER

**2021 DENVER BASIN WELLS REHABILITATION,
PUMPING EQUIPMENT REPLACEMENT, AND WELL
ABANDONMENT PROJECT WITH APPLIED
INGENUITY AND COLORADO PUMP**

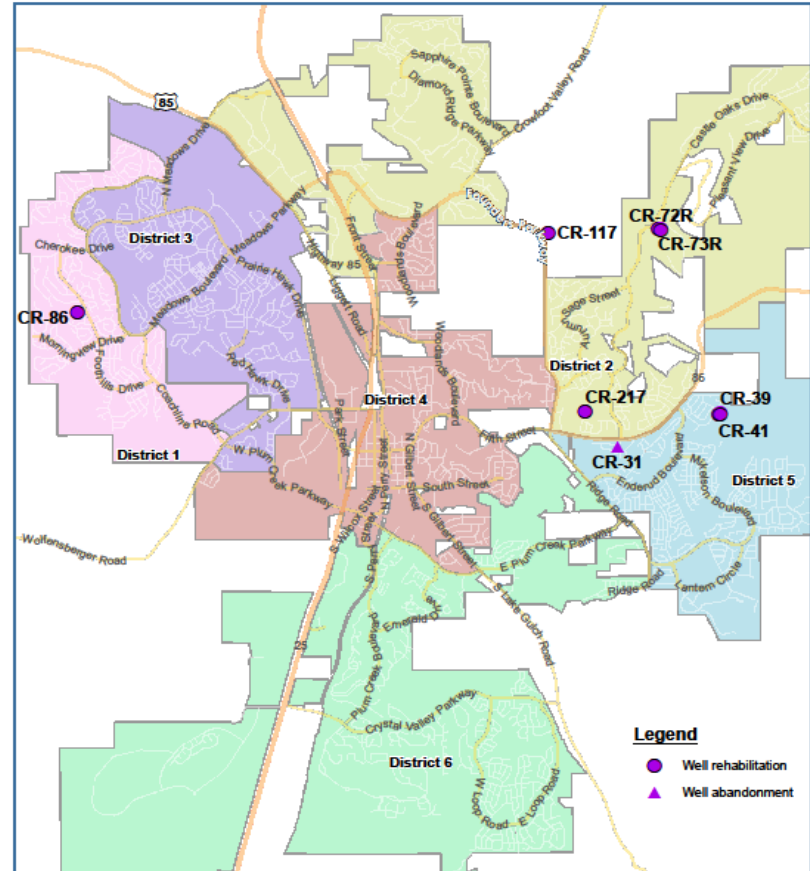
MARCH 2, 2021



REHABILITATION WELL PROJECT

BACKGROUND

- Annual preventative maintenance program
- Targeting seven wells with combined daily production of 2.5 million gallons per day
 - Arapahoe Aquifer: CR-39, CR-86, CR-73R, CR-117
 - Denver Aquifer: CR-41, CR-72R, CR-217
- Addition of one inactive well to abandon per State regulations
 - CR-31 (Arapahoe)



REHABILITATION WELL PROJECT

DETAILS

- Split contract between two contractors in order to complete rehabs prior to demand season
- Applied Ingenuity, LLC and Colorado Pump Service & Supply being recommended through competitive RFP process
- Identified wells to rehabilitate
 - Showing declines in production
 - At the end of average pump life
- Redesigned pumping equipment for better efficiency
- Replacing all drop pipe
- Applied Ingenuity: Wells 39, 41, and 217
- Colorado Pump: Wells 72R, 73R, 117, 86, and 31 abandonment



REHABILITATION WELL PROJECT

PROJECT SUMMARY

Contractors

- Applied Ingenuity, LCC
- Colorado Pump Service & Supply

Schedule

- Winter through Spring 2021
- Start in early March 2021

Funding

- Using 2020 and 2021 budget
- Will complete a budget carryforward from 2020

Recommendations

- Staff
- Water Commission

Proposed Budget

Applied Ingenuity, LLC:		
Rehabilitation & Equipment Replacement		\$ 480,421.00
Contingency (5%)		\$ 24,021.05
	Sub-total	\$504,442.05
Colorado Pump Service & Supply:		
Rehabilitation & Equipment Replacement		\$ 557,850.08
Contingency (5%)		\$ 27,892.50
	Sub-total	\$585,742.58
TOTAL PROJECT AUTHORIZATION		\$1,090,184.63



THANK YOU

QUESTIONS

RECOMMENDED MOTION: I MOVE TO APPROVE RESOLUTION NO. 2021-029 APPROVING A CONSTRUCTION CONTRACT WITH COLORADO PUMP SERVICE & SUPPLY FOR THE 2021 DENVER BASIN WELLS REHABILITATION, PUMPING EQUIPMENT REPLACEMENT, AND WELL ABANDONMENT PROJECT.



THANK YOU

QUESTIONS

RECOMMENDED MOTION: I MOVE TO APPROVE RESOLUTION NO. 2021-030 APPROVING A CONSTRUCTION CONTRACT WITH APPLIED INGENUITY, LLC FOR THE 2021 DENVER BASIN WELLS REHABILITATION, PUMPING EQUIPMENT REPLACEMENT, AND WELL ABANDONMENT PROJECT.