

CASTLE ROCK WATER

**RESOLUTIONS APPROVING
A CONSTRUCTION CONTRACT WITH HEI CIVIL
AND CONSTRUCTION SUPPORT CONTRACT
WITH WHEELER FOR THE CASTLE ROCK
RESERVOIRS CONSTRUCTION PROJECT**

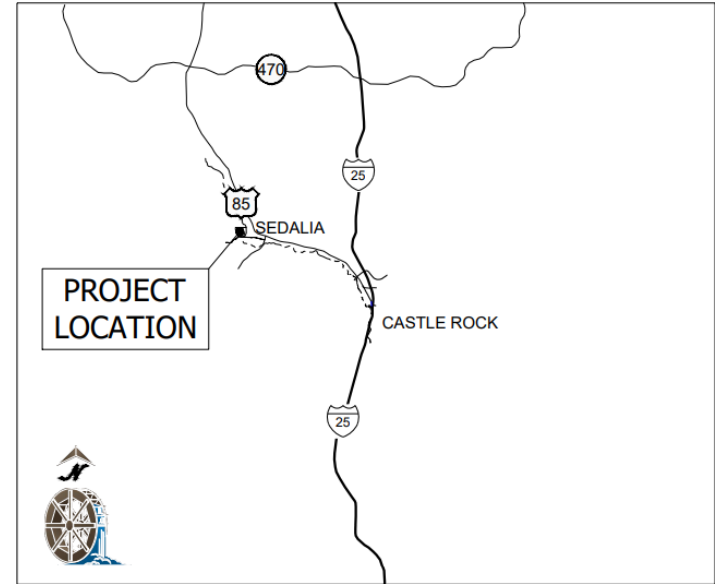
APRIL 4, 2023



CASTLE ROCK RESERVOIRS PROJECT

PROJECT BACKGROUND

- Raw water storage key factor to meet 75% renewable water supply by 2050
- CRW wants adequate storage to meet one year supply
- Site will have two reservoirs to store:
 - Reusable water supplies
 - Junior water rights on Plum Creek
 - Water supplies pumped back from Chatfield

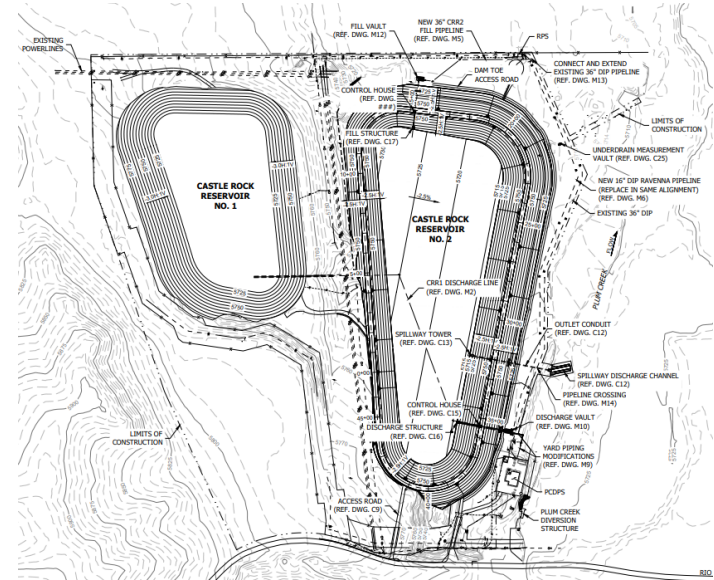


Castle Rock Reservoirs Site Location

CASTLE ROCK RESERVOIRS PROJECT

PROJECT SCOPE

- Castle Rock Reservoir No. 1 (CRR1)
 - Currently 240 Acre Feet (AF)
 - Expansion to 550 AF
- Castle Rock Reservoir No. 2 (CRR2)
 - Construct to 790 AF
- Construction schedule: Summer 2023 - Summer 2025
 - Phase I: CRR2 Construction - Summer 2024
 - Phase II: CRR1 Expansion - Summer 2025



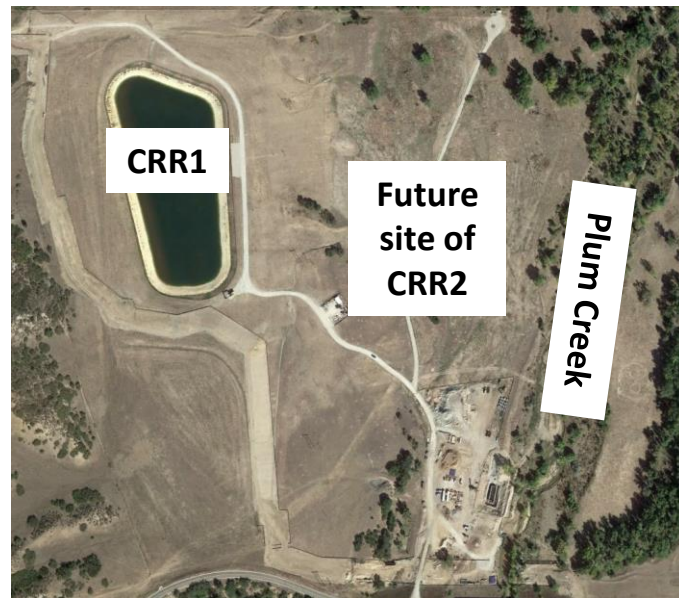
CRR1 and CRR2 Final Designs

CASTLE ROCK RESERVOIRS PROJECT

BIDDING

- RFQ was completed in Fall 2022
 - 10 Contractors shortlisted
- Bids received on March 17, 2023

Contractor	Bid Amount
Ames Construction	\$ 39,148,200.00
Odin	Did not submit
Sema	Did not submit
Kelly Trucking Inc.	\$ 35,393,419.50
Big Sky/ Montana Civil (JV)	Did not submit
HPM/Claystone (JV)	Did not submit
ESCO	Did not submit
Moltz Constructors	\$ 38,994,438.60
Monks JHL (JV)	\$ 33,993,974.33
Zak Dirt	Did not submit
HEI Civil	\$ 26,490,159.04
Engineer's Estimate	\$ 28,321,413.30



Castle Rock Reservoirs Site

CASTLE ROCK RESERVOIRS PROJECT

BUDGET AND AWARD

- HEI Civil – Castle Rock based contractor
- Most responsive/responsible bid: \$26,490,159.04
- 5% contingency: \$1,324,507.95
- Total authorization: \$27,814,666.99
- Budget amendment for HEI = \$9,014,666.99

	CRR1	CRR2	Total Cost
2023 Budget – Reservoir Upgrades			\$18,800,000.00
Design Cost w/contingency (Wheeler)	\$304,800.00	\$713,370.00	\$1,018,170.00
Construction Mgmt w/contingency (Wheeler)			\$2,216,760.00
Engineer's Estimate	\$8,007,693.68	\$20,313,719.62	\$28,321,413.30
HEI Bid w/ contingency	\$7,667,995.64	\$18,822,163.40	\$27,814,666.99
2023 Budget Amendment needed			\$11,231,427.00



View of CRR1 looking north

CASTLE ROCK RESERVOIRS PROJECT

CONSTRUCTION SUPPORT SERVICES

- W.W. Wheeler & Associates, Inc. is design engineer
- Construction support for CRR1 & CRR2 includes:
Construction Supervision, Materials Testing, Review of Submittals, RFI's, and Change Orders
- Proposed Fee: \$2,111,200; 5% contingency: \$105,560
- Total authorization: \$2,216,760
- Budget amendment needed for Wheeler: \$2,216,760
- **Budget amendment necessary for project: \$11,231,427**
- Recommendations include:
 - Castle Rock Water Commission
 - Staff



View of CRR2 Construction Site

CASTLE ROCK RESERVOIRS PROJECT

MOTION OPTIONS

PROPOSED MOTION:

“I move to approve the Resolution 2023-050 as introduced by title.”

ALTERNATIVE MOTIONS:

“I move to approve the Resolution as introduced by title, with the following conditions: (list conditions).”

“I move to continue this item to the Town Council meeting on ____date to allow additional time to (list information needed).”

CASTLE ROCK RESERVOIRS PROJECT

MOTION OPTIONS

PROPOSED MOTION:

“I move to approve the Resolution 2023-051 as introduced by title.”

ALTERNATIVE MOTIONS:

“I move to approve the Resolution as introduced by title, with the following conditions: (list conditions).”

“I move to continue this item to the Town Council meeting on ____date to allow additional time to (list information needed).”