

CASTLE ROCK WATER

RESOLUTIONS 2019-126 & 2019-127 CONSTRUCTION CONTRACTS FOR MCMURDO GULCH RECLAMATION PROJECTS

DECEMBER 3, 2019



MCMURDO GULCH PROJECT SITE MAP



MCMURDO GULCH

BACKGROUND – PRIORITY 1

- Continuation of improvements from 2011
- Surgical approach to address erosion “hot spots”
- Natural stream system design
- Phased approach in step with development
- Financial contribution from Cherry Creek Basin Water Quality Authority



Channel headcut along project reach

BACKGROUND – TERRAIN

- Continuation of improvements from private Terrain development
- Developer installed cutoff walls across stream
- Complete with natural stream system improvements
- Financial contribution from Starwood Land Ventures



Concrete cutoff walls installed by Terrain

MCMURDO GULCH

SCOPE – PRIORITY 1

- Complete 1,500 linear feet of stream reclamation improvements at three locations
- Three boulder cascade drop structures at 6% grade
- Five riffle drop structures at 2% grade
- Ten locations requiring bank toe protection



Boulder archways

Example boulder cascade

SCOPE – TERRAIN

- Complete 1,200 linear feet of stream reclamation improvements at three locations
- One boulder cascade drop structures at 5% grade
- Nine riffle drop structures at 3% grade
- Eleven locations requiring bank toe protection

Riprap



Example riffle structure

MCMURDO GULCH

FINANCIAL SUMMARY

- Contractor – 53 Corporation, LLC
- Construction Schedule: Dec 2019 – Jun 2020
- Priority 1 Authorization: \$1,160,470
(\$1,054,973 bid plus \$105,497 contingency)
- Terrain Authorization: \$756,755
(\$687,959 bid plus \$68,796 contingency)
- \$15,000 credit by awarding jointly
- Total project cost combined: \$2,337,970
- Contributions: Cherry Creek at \$342,852
- Contributions: Starwood Land at \$766,000
- Total Town cost: \$1,229,118

RECOMMENDATIONS

- Staff



Completed boulder cascade on McMurdo Gulch



THANK YOU

QUESTIONS

- Resolution 2019-126 Approving a Construction Contract with 53 Corporation, LLC for the McMurdo Gulch Stream Reclamation Priority 1 Project
- Recommended Motion: *"I move to approve Resolution as introduced by title."*



THANK YOU

QUESTIONS

- Resolution 2019-127 Approving a Construction Contract with 53 Corporation, LLC for the McMurdo Gulch – Terrain Channel Improvements
- Recommended Motion: *"I move to approve Resolution as introduced by title."*