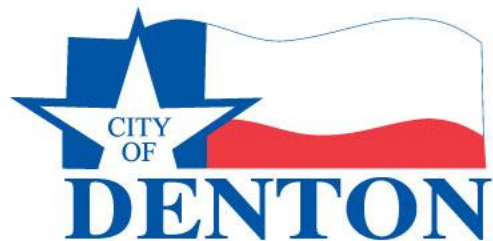


Clear Creek Water Reclamation Plant Design Contract



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Background

- Accelerated development of Clear Creek Basin
- Goal of regionalization
- 2023 Wastewater Master Plan
 - Clear Creek Sewer Interceptor
 - Clear Creek Water Reclamation Plant (CCWRP)



Project Location

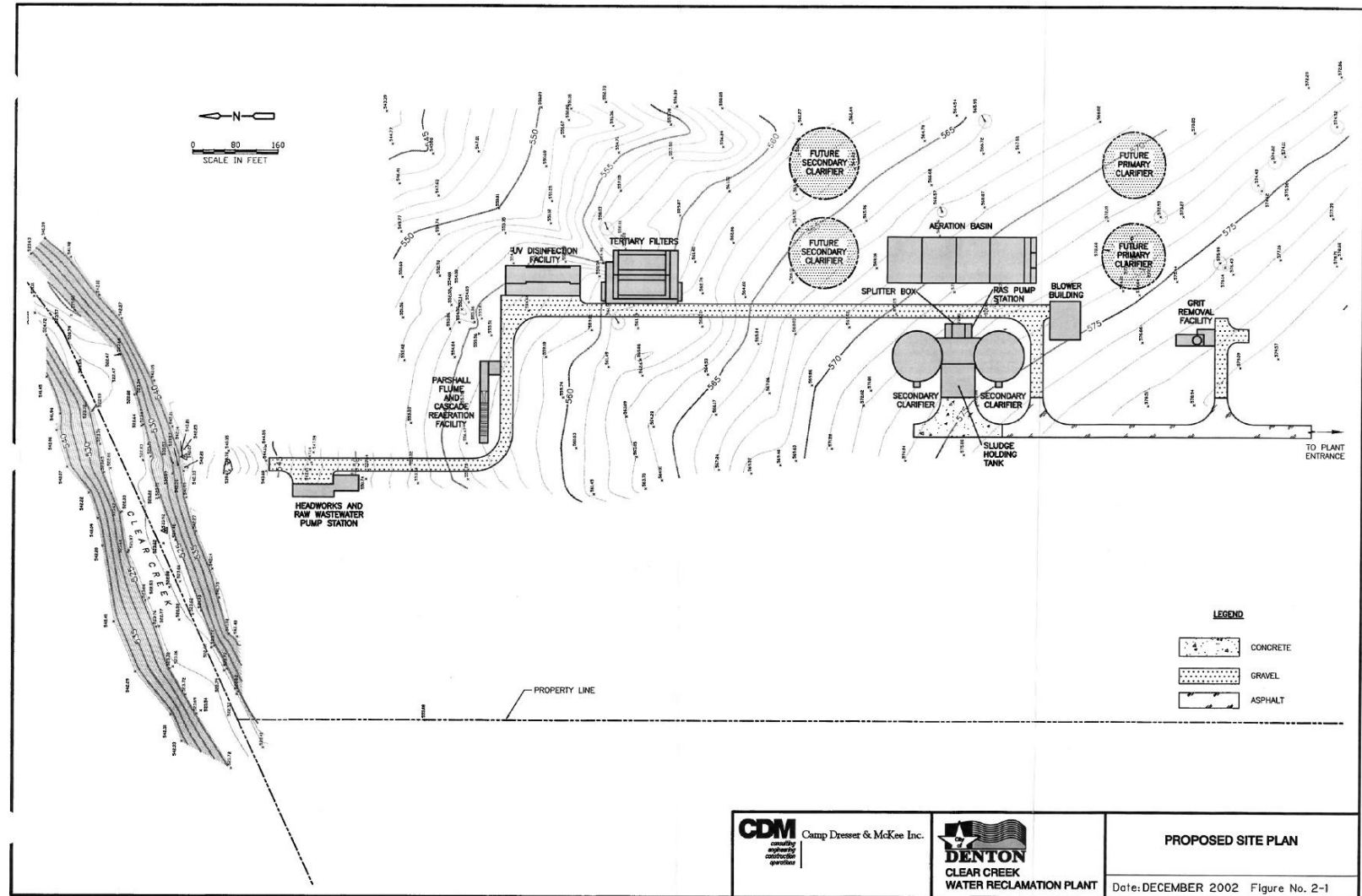


Clear Creek WRP site:
Hartlee Field Road and
Collins

Clear Creek Interceptor, In
Design

Site Timeline

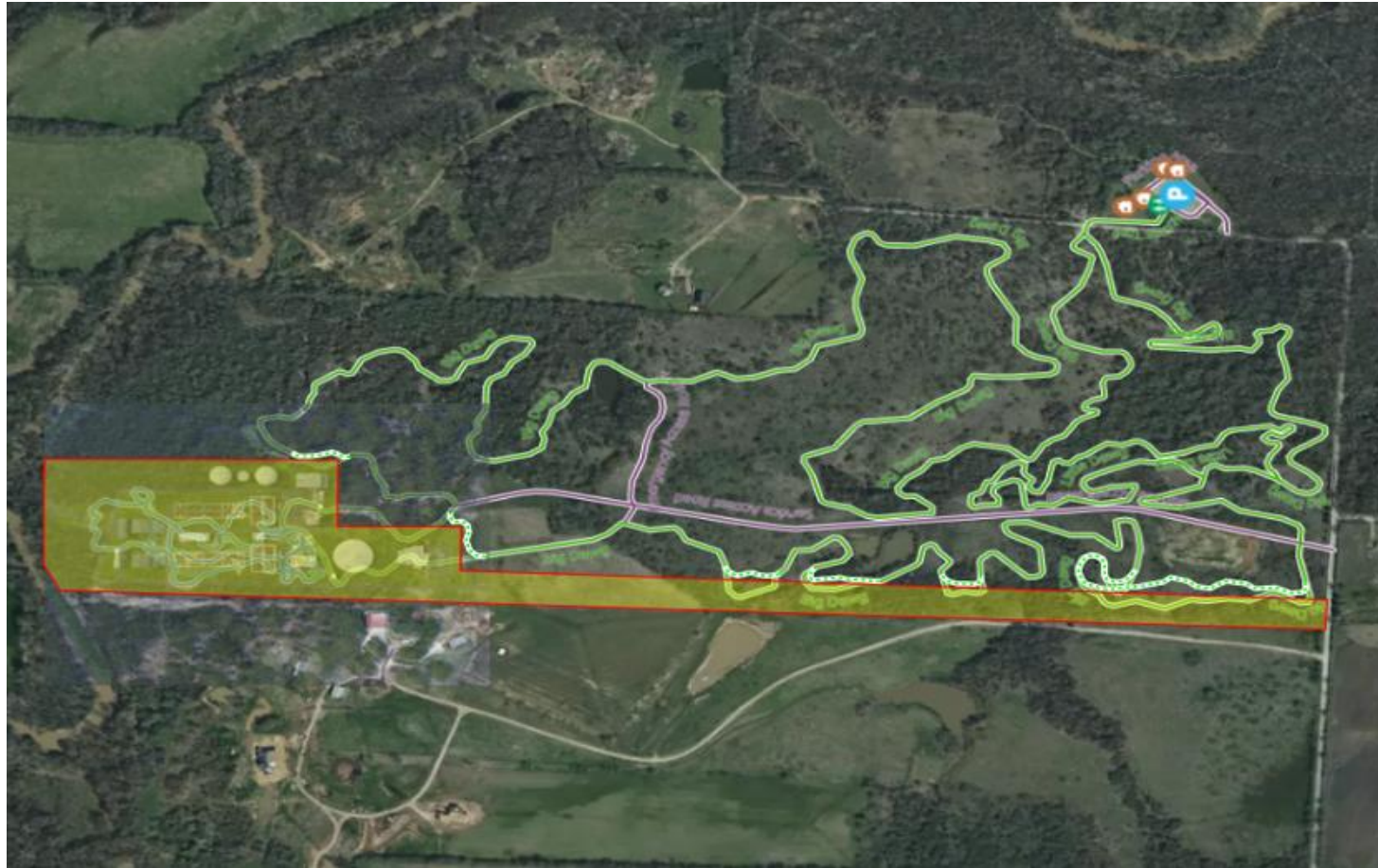
- 1998: Wastewater Treatment Planning Report
- 2000: Property Purchased
- 2002: Preliminary Design Report, 0.95 MGD – Partial Texas Commission on Environmental Quality (TCEQ) Discharge Permit
- 2003: Design reaches 85%, paused due to development
- 2025: 10 MGD – Full TCEQ Discharge Permit



Project Scope

- Design and construction phase services for an advanced water reclamation plant that incorporates:
 - High-efficiency screening and grit removal (Lift Station / Headworks)
 - Biological Nutrient Removal (BNR)
 - Membrane Bioreactor (MBR)
 - Odor Control System
 - Ultraviolet Disinfection (UV)
 - Architectural Components (Operations Building)
- Estimated Construction Cost: \$455 million
- Timelines
 - Design Services: Q2 2026 – Q4 2028
 - Construction Services: Q4 2028 – Q4 2032

Minimizing Impact



- Create safe site access and fencing at trail interactions.
- Maintain fence and access control for safety and security.
- Impacted trail re-routing will be required.
- Add educational elements to the site for water, wastewater, and reuse.

Selection Process and Funding

- Six (6) Firms Evaluated from RFQ 8213 Prequalified List
- Carollo Engineering Selected
- Design Contract amount: \$45,528,839 (10% of Estimated Construction Cost)
- Priced to include all Construction Manager at Risk (CMAR) coordination
 - 4-year base contract
 - 2-year Special Services
- Funding Breakdown:
 - Traditional Debt: up to 51%
 - Water Infrastructure Finance Innovation Act (WIFIA), In Progress: up to 49%
 - Texas Water Development Board Clean Water State Revolving Fund (TWDB-CWSRF), In Progress: up to \$400 million (\$60 mil/year)

Staff Recommendation

Staff recommends the adoption of a Professional Services Contract between the City of Denton and Carollo Engineers for design and construction phase services for the Clear Creek Water Reclamation Plant, not to exceed the amount of \$45,528,839.



Questions?



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