

Project Case Study

Jensen Drainage Channel Earthworks

1.8 km Drainage Channel Delivered On Time | NQ Water Infrastructure Corp | \$390,000 | 2024

Generated:	09 June 2026
Tool:	consultancydd.com/tools/application/
Word count:	1,066 words
Document type:	Project Case Study — Structure · Draft · Polish
Project:	Jensen Drainage Channel Earthworks
Client:	North Queensland Water Infrastructure Corp
Value:	\$390,000
Year:	2024
Headline:	\$390K Jensen Drainage Channel Delivered On Time
Parts:	Part 1: Structure Analysis · Part 2: Draft Case Study · Part 3: Polish (finished deliverable)

■ Case study delivered — headline, 3 key outcomes, challenge analysis, client targeting, credential mapping, draft narrative, and polished final with metric badges and representative client quote

Section	Words	%
Part 1 — Structure: headline options, outcomes, challenges, targeting, credentials	446	41.8%
Part 2 — Draft case study (Challenge / Approach / Outcome / Credentials)	313	29.4%
Part 3 — Polish (finished deliverable with client quote)	307	28.8%
TOTAL	1,066	100%

CONTENTS

Part 1 — Structure Analysis

3 headline options · 3 key outcomes · challenge framing · client targeting · 3 credentials demonstrated

Part 2 — Draft Case Study

Challenge / Approach / Outcome / Key Credentials — first draft narrative

Part 3 — Polish (Finished Deliverable)

Metric badges · Challenge / Approach / Outcome · representative client quote · credentials — ready to submit

PART 1 — STRUCTURE ANALYSIS

Headline · outcomes · targeting · credentials

STRONGEST HEADLINE — UNDER 12 WORDS

1.8km Drainage Channel Delivered On Time

3 MOST IMPRESSIVE OUTCOMES

What procurement managers remember

1

Completed a \$390,000 drainage package on time

Redstone Civil delivered the full Jensen Drainage Channel Earthworks package on time in 2024 for North Queensland Water Infrastructure Corp.

2

Constructed 1.8 km of open drain channel

The scope included 18,500 m³ of bulk excavation, batter shaping, rock ripping, topsoil strip, and topsoil respread across a full 1.8 km drainage alignment.

3

Coordinated specialist subcontractors without losing control

Traffic management and survey were subcontracted, while Redstone Civil retained control of the core earthworks — showing capacity to manage a multi-input site package.

CHALLENGE FRAMING

What a procurement manager would find credible

The strongest challenge was managing a long drainage alignment over 1.8 km, where levels, batters, drainage fall, and finished profile all needed to be controlled properly across the full length.

Rock ripping added site pressure because it can slow excavation and affect machine productivity. Topsoil stripping and resspreading required care to achieve a proper finish. The project also involved subcontracted traffic management and survey, requiring Redstone Civil to coordinate specialist inputs while maintaining control of the core earthworks.

CLIENT TARGETING

Best for:	Government water infrastructure bodies, Tier 1/Tier 2 civil contractors, council drainage teams, and procurement managers needing regional drainage and stormwater subcontractors.
Key targets:	Water infrastructure bodies, councils, drainage-focused procurement managers, and head contractors delivering flood mitigation, drainage channels, stormwater, and regional NQ infrastructure packages.

3 CREDENTIALS DEMONSTRATED

1. Drainage and stormwater capability

Directly supports Redstone Civil's listed services: civil earthmoving, drainage, and road maintenance — with a real 1.8 km open drain channel as the evidence.

2. Bulk earthworks capability with relevant plant

The 18,500 m³ excavation scope aligns with Redstone's owned plant: excavators, grader, trucks, water truck, skid steer, and roller.

3. North Queensland infrastructure experience

Delivered for North Queensland Water Infrastructure Corp — directly relevant to Redstone's goal of winning larger regional infrastructure and supplier panel work.

PART 2 — DRAFT CASE STUDY

Challenge · Approach · Outcome ·
Credentials

DRAFT — FOR REVIEW

1.8km Drainage Channel Delivered On Time

The Challenge

North Queensland Water Infrastructure Corp needed a practical civil contractor to construct a 1.8 km open drain channel in 2024. The \$390,000 package included 18,500 m³ of bulk excavation, batter shaping, rock ripping, topsoil stripping, and resspreading. The work required steady production, accurate shaping, and coordination with traffic management and survey support while keeping the project on schedule.

Our Approach

Redstone Civil delivered the main earthworks package using its civil construction experience, local operators, and suitable earthmoving plant. The team focused on sequencing the works so excavation, batter shaping, rock ripping, and topsoil handling could progress without unnecessary delays.

The 1.8 km alignment required careful attention to levels, drainage profile, and batter finish. Redstone Civil managed the practical site works while coordinating subcontracted traffic management and survey inputs where needed. This allowed the business to keep control of the core earthworks while using specialist support for compliance and set-out requirements.

The Outcome

Redstone Civil completed the \$390,000 Jensen Drainage Channel Earthworks project on time in 2024. The finished works included 1.8 km of open drain channel, 18,500 m³ of bulk excavation, batter shaping, rock ripping, topsoil strip, and topsoil resspread.

The project gave Redstone Civil clear evidence of drainage and stormwater capability for North Queensland infrastructure buyers, including water infrastructure bodies, councils, and Tier 1 or Tier 2 civil contractors needing reliable local subcontractors.

KEY CREDENTIALS DEMONSTRATED

- Drainage and stormwater earthworks capability on a 1.8 km channel project.
- Bulk excavation experience, including 18,500 m³ of material movement.
- Proven North Queensland infrastructure delivery for a water infrastructure client.

PART 3 — POLISH

Finished deliverable · ready to submit

FINAL — SUBMISSION READY | USE IN CAPABILITY STATEMENTS AND TENDER SUBMISSIONS

\$390K Jensen Drainage Channel Delivered On Time

\$390K
Project Value

1.8 km
Drain Channel

18,500 m³
Bulk Excavation

On Time
Delivered 2024

Client:	North Queensland Water Infrastructure Corp
Year:	2024
Value:	\$390,000
Scope:	1.8 km open drain channel, 18,500 m³ bulk excavation, batter shaping, rock ripping, topsoil strip and respread

The Challenge

In 2024, North Queensland Water Infrastructure Corp engaged Redstone Civil Pty Ltd to deliver a \$390,000 drainage earthworks package. The job required construction of a 1.8 km open drain channel, 18,500 m³ of bulk excavation, batter shaping, rock ripping, topsoil stripping, and respreding. The main challenge was keeping the works moving while maintaining channel profile, levels, and finish across a long drainage alignment.

Our Approach

Redstone Civil delivered the main earthworks using its North Queensland civil construction experience and suitable plant for excavation, shaping, and material handling. The team planned the 1.8 km alignment in practical work sections so excavation, batter shaping, rock ripping, and topsoil handling could progress in sequence without holding up the program.

The project required coordination with two specialist inputs: traffic management and survey. Redstone Civil kept control of the core earthworks while using those subcontracted services for site safety, access, set-out, and level control. This approach helped the team manage 18,500 m³ of excavation, shape the drain batters, handle topsoil correctly, and finish the works to the required scope.

The Outcome

Redstone Civil completed the \$390,000 Jensen Drainage Channel Earthworks project on time in 2024. The finished scope included 1.8 km of open drain channel, 18,500 m³ of excavation, rock ripping, batter shaping, topsoil strip, and respread. The project gives Redstone Civil clear evidence for future drainage, stormwater, flood mitigation, and regional infrastructure packages.

“ Redstone kept the job moving, managed the site work properly, and delivered the channel on time without constant chasing.

— Representative client comment, North Queensland Water Infrastructure Corp

KEY CREDENTIALS DEMONSTRATED

- Delivered a 1.8 km drainage channel package for a North Queensland water infrastructure client.
- Managed 18,500 m³ of bulk excavation with rock ripping, batter shaping, and topsoil works.
- Completed a \$390,000 civil earthworks project on time in 2024.

Word count: 1,066 words — Generated using the CDD Application System | consultancydd.com/tools/application/ | ★ Fictional — Training Use Only