Medxcel

CASE STUDY

Health center and water treatment plant overcome multiple challenges, opening on schedule and $2.4M favorable to budget

Growing populations in rural areas may need access to critical healthcare services before the necessary infrastructure is in place to support a local facility. Providing cost effective care to a growing rural area can be a challenge, especially when combined with economic and supply chain issues.



$2.4M
favorable to budget

Situation

A growing rural area needed access to healthcare services but lacked sanitary sewer access.

Solution

Medxcel experts coordinated the design and construction of the building and on-site wastewater treatment plant.

Outcome

The health center and wastewater treatment plant opened on schedule and favorable to budget.

Situation

A rural area with a growing population needed access to a centrally located healthcare facility to bridge the gap between the closest rural and metropolitan hospitals. Challenges to building the facility included a lack of municipal sanitary sewer access and pandemic-induced supply chain issues. The client sought a partner with specialized healthcare expertise to navigate these complexities and ensure the successful delivery of care to the community. They turned to Medxcel, a leader in healthcare planning, design, and construction.

Solution

- Medxcel's planning, design, and construction team engaged an integrated design approach with a team of qualified architects, engineers, contractors, and clinical experts to complete all aspects of the project.
- While constructing the health center, an on-site wastewater treatment plant was designed and built simultaneously to address the area's lack of municipal sewer access.
- Experts from Medxcel coordinated the design, inspections, supply chain logistics, and all necessary approvals for both the facility and the wastewater treatment plant.
- Limitations on steel resources were creatively addressed by selecting an alternate metal deck and beam product in lieu of the traditional steel joist and corrugated composite deck. This alternate solution utilized available products in the industry, allowing the project to remain on schedule and within budget at a critical juncture.
- Trusted supply chain partners within Medxcel's network were leveraged to mitigate shortages of roofing insulation, electrical switch gears, and generators to keep the project favorable to budget.
- Mechanical and elevator issues that arose during the building process were quickly identified and successfully resolved by our proven experts in these areas.

Outcome

- The wastewater treatment plant and the health center opened simultaneously, on schedule and $2.4M favorable to budget.
- Medxcel's relationships with local and state authorities holding jurisdiction facilitated approval of the facility for a phased occupancy, allowing patients to begin receiving care and the client to begin generating revenue as soon as possible.
- Leveraging Medxcel's portfolio of supply chain partners allowed the project to overcome supply challenges.

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