

REFINITIV

DELTA REPORT

10-K

NWPX - NORTHWEST PIPE CO

10-K - DECEMBER 31, 2023 COMPARED TO 10-K - DECEMBER 31, 2022

The following comparison report has been automatically generated

TOTAL DELTAS 2054

■ CHANGES	308
■ DELETIONS	809
■ ADDITIONS	937

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended: **December 31, 2022 2023**
or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number: **0-27140**

NORTHWEST PIPE COMPANY
(Exact name of registrant as specified in its charter)

Oregon 93-0557988

State or other jurisdiction of incorporation or organization (I.R.S. Employer Identification No.)

201 NE Park Plaza Drive, Suite 100
Vancouver, Washington 98684
(Address of principal executive offices and Zip Code)

Registrant's telephone number, including area code: **360-397-6250**

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.01 per share	NWPX	Nasdaq Global Select Market

Securities registered pursuant to section 12(g) of the Act: **None**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input checked="" type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

The aggregate market value of the common equity that was held by non-affiliates of the registrant was ~~\$257,741,364~~ \$262,653,481 as of ~~June 30, 2022~~ June 30, 2023 based upon the last sales price as reported by the Nasdaq Global Select Market.

The number of shares outstanding of the registrant's common stock as of ~~March 6, 2023~~ February 23, 2024 was ~~9,941,402~~ 9,892,244 shares.

DOCUMENTS INCORPORATED BY REFERENCE

The registrant has incorporated into Parts II and III of Form 10-K by reference certain portions of its ~~2021~~ 2022 Form 10-K, which was filed with the Securities and Exchange Commission ("SEC") on ~~March 16, 2022~~ March 16, 2023, and its Proxy Statement for its ~~2023~~ 2024 Annual Meeting of Shareholders.

NORTHWEST PIPE COMPANY

~~2022~~ 2023 ANNUAL REPORT ON FORM 10-K

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CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

Certain statements in this Annual Report on Form 10-K for the year ended [December 31, 2022](#) [December 31, 2023](#) ("2022 2023 Form 10-K"), other than purely historical information, are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 and Section 21E of the Securities Exchange Act of 1934, as amended ("Exchange Act"), that are based on current expectations, estimates, and projections about our business, management's beliefs, and assumptions made by management. Words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," "estimates," "forecasts," "should," "could," and variations of such words and similar expressions are intended to identify such forward-looking statements. These statements are not guarantees of future performance and involve risks and uncertainties that are difficult to predict. Therefore, actual outcomes and results may differ materially from what is expressed or forecasted in such forward-looking statements as a result of a variety of important factors. While it is impossible to identify all such factors, those that could cause actual results to differ materially from those estimated by us include:

- changes in demand and market prices for our products;
- product mix;
- bidding activity and order [modifications](#) or [cancelations](#);
- timing of customer orders and deliveries;
- production schedules;
- price and availability of raw materials;
- excess or shortage of production capacity;
- international trade policy and regulations;
- changes in tariffs and duties imposed on imports and exports and related impacts on us;
- economic uncertainty and associated trends in macroeconomic conditions, including potential recession, inflation, and the state of the housing market;
- interest rate risk and changes in market interest rates, including the impact on our customers and related demand for our products;
- our ability to identify and complete internal initiatives and/or acquisitions in order to grow our business;
- our ability to effectively integrate Park Environmental Equipment, LLC ("ParkUSA") and other acquisitions into our business and operations and achieve significant administrative and operational cost synergies and accretion to financial results;
- effects of security breaches, computer viruses, and cybersecurity incidents;

- timing and amount of share repurchases;
- impacts of U.S. tax reform legislation on our results of operations;
- adequacy of our insurance coverage;
- supply chain challenges;
- labor shortages;
- ongoing military conflicts in areas such as Ukraine and Israel, and related consequences;
- operating problems at our manufacturing operations including fires, explosions, inclement weather, and floods and other natural disasters;
- material weaknesses in our internal control over financial reporting and our ability to remediate such weaknesses;
- impacts of pandemics, epidemics, or other public health emergencies, such as coronavirus disease 2019 ("COVID-19"); emergencies; and
- other risks discussed in Part I — Item 1A. "Risk Factors" of this 2022 2023 Form 10-K and from time to time in our other SEC filings and reports.

Such forward-looking statements speak only as of the date on which they are made, and we do not undertake any obligation to update any forward-looking statement to reflect events or circumstances after the date of this 2022 2023 Form 10-K. If we do update or correct one or more forward-looking statements, investors and others should not conclude that we will make additional updates or corrections with respect thereto or with respect to other forward-looking statements.

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PART I

Item 1. Business

Unless otherwise indicated, the terms "the Company," "we," "our," and "us" are used in this 2022 2023 Form 10-K to refer to Northwest Pipe Company or one of our consolidated subsidiaries or to all of them taken as a whole. We were incorporated in the State of Oregon in 1966.

Overview

Northwest Pipe Company is a leading manufacturer of water-related infrastructure products. In addition to being the largest manufacturer of engineered steel water pipeline systems in North America, we manufacture stormwater and wastewater technology products; high-quality precast and reinforced concrete products; pump lift stations; steel casing pipe, bar-wrapped concrete cylinder pipe, and one of the largest offerings of pipeline system joints, fittings, and specialized components. Strategically positioned to meet growing water and wastewater infrastructure needs, we provide solution-based products for a wide range of markets under the ParkUSA, Geneva Pipe and Precast, Permalok®, and Northwest Pipe Company lines. Our diverse team is committed to safety, quality, and innovation while demonstrating our core values of accountability, commitment, and teamwork. We are headquartered in Vancouver, Washington, and have 13 manufacturing facilities across North America.

Our water infrastructure products are sold generally to installation contractors, who include our products in their bids to federal, state, and municipal agencies, privately-owned water companies, or developers for specific projects. We believe our sales are substantially driven by spending on urban growth and new water infrastructure with a recent trend towards spending on water infrastructure replacement, repair, and upgrade. Within the total range of products, our steel pipe tends to fit best addresses the larger-diameter, higher-pressure pipeline applications, while our precast concrete products mainly serve stormwater and sanitary sewer systems.

With steady population growth and regional community expansion, as well as continued drought conditions, existing water sources have become stressed, and we see continued opportunities for growth in North American infrastructure.

Recent Strategic Actions in the Precast and Reinforced Concrete Products Market

On October 5, 2021, we completed the acquisition of 100% of Park Environmental Equipment, LLC (ParkUSA) for a purchase price of \$90.2 million in cash, which is included in the Precast Infrastructure and Engineered Systems ("Precast") segment for all periods following the acquisition date. ParkUSA is a precast concrete and steel fabrication-based company that develops and manufactures water, wastewater, and environmental solutions. Operations continue with ParkUSA's previous management and workforce at its three Texas manufacturing facilities located in Houston, Dallas, and San Antonio. This strategic acquisition provides a foothold into the water infrastructure technology market. As we employ similar operating capabilities at our existing facilities, we intend to explore strategic opportunities to expand ParkUSA's value-added products within the organization.

On January 31, 2020, we completed the acquisition of 100% of Geneva Pipe and Precast Company ("Geneva") (fka Geneva Pipe Company, Inc.) for a purchase price of \$49.4 million in cash, which is included in the Precast segment for all periods following the acquisition date. Geneva is a concrete pipe and precast concrete products manufacturer based in Utah. This acquisition expanded our water infrastructure product capabilities by adding additional reinforced concrete pipe capacity and a full line of precast concrete products including storm drains and manholes, catch basins, vaults, and curb inlets as well as innovative lined products that extend the life of concrete pipe and manholes for sewer applications. Operations continue with Geneva's previous management and workforce at its three Utah manufacturing facilities.

Impact of the COVID-19 Pandemic on Our Business

In March 2020, the World Health Organization declared COVID-19 a pandemic. The impacts of the COVID-19 pandemic, and the resurgence of new COVID-19 virus variants, on global and domestic economic conditions, including the impacts of labor and raw material shortages, the long-term potential to reduce or delay funding of municipal projects, and the continued disruptions to and volatility in the financial markets remain uncertain. While the COVID-19 pandemic has caused various direct and indirect financial impacts associated with project bidding, execution, and product deliveries over the past couple of years, we remain unable to predict the ultimate impact that the COVID-19 pandemic may have on our business, future results of operations, financial position, or cash flows. We continue to monitor the impact of the COVID-19 pandemic on all aspects of our business.

Our Segments

Engineered Steel Pressure Pipe ("SPP"). SPP manufactures large-diameter, high-pressure steel pipeline systems for use in water infrastructure applications, which are primarily related to drinking water systems. These products are also used for hydroelectric power systems, wastewater systems, seismic resiliency, and other applications. In addition, SPP makes products for industrial plant piping systems and certain structural applications. SPP has manufacturing facilities located in Portland, Oregon; Adelanto and Tracy, California; Parkersburg, West Virginia; Saginaw, Texas; St. Louis, Missouri; and San Luis Río Colorado, Mexico.

Precast Infrastructure and Engineered Systems (Precast). Precast manufactures stormwater and wastewater technology products, high-quality precast and reinforced concrete products, including reinforced concrete pipe ("RCP"), manholes, box culverts, vaults, and catch basins, pump lift stations, oil water separators, biofiltration units, and other environmental and engineered solutions. Precast has manufacturing facilities located in Dallas, Houston, and San Antonio, Texas; and Orem, Salt Lake City, and St. George, Utah.

Our Industries

Much of the United States water infrastructure is antiquated and many authorities, including the United States Environmental Protection Agency ("EPA"), believe the United States water infrastructure is in critical need of update, repair, or replacement. A combination of new population centers, rising demand on developed water sources, substantial underinvestment in water infrastructure over the past several decades, drought conditions, climate change, and increasingly stringent regulatory policies are driving demand for water infrastructure projects in the United States. These trends are intensifying the need for new water infrastructure as well as the need to upgrade, repair, and replace existing water infrastructure. While we believe this offers the potential for increased demand for our water infrastructure products and other products related to water transmission, budgetary pressures could impact governmental and public water agency projects in the near-term.

Federal initiatives to improve the conditions of the aging water infrastructure include the Water Infrastructure and Resiliency Finance Center at the EPA and the Water and Environmental Programs at the U.S. Department of Agriculture. The Bipartisan Infrastructure Deal (Infrastructure Investment and Jobs Act), signed into law in November 2021, will invest \$55 billion to expand access to clean drinking water for households, businesses, schools, and child care centers all across the country. According to its latest report, the 2021 2022 Annual Report, the EPA's Water Infrastructure Finance and Innovation Act program, a federal credit program for eligible water and wastewater infrastructure projects, closed 31 24 loans totaling \$4 billion in 2022, and 96 loans totaling over \$5 \$17 billion in 2021, over the life of the program, as of December 31, 2022.

In addition to the Federal initiatives, individual states are also taking action. In November 2013, the State of Texas earmarked \$27 billion of future bond funding for state water projects over the next 50 years through their State Water Implementation Fund for Texas (SWIFT). This program provides low-interest and deferred loans to state agencies making approved investments in water infrastructure projects. In November 2014, the State of California approved the Water Quality, Supply and Infrastructure Improvement Act which authorizes \$7.5 billion in general obligation bonds to fund state water supply infrastructure projects, such as public water system improvements, surface and groundwater storage, drinking water protection, water recycling and advanced water treatment technology, water supply management and conveyance, wastewater treatment, drought relief, emergency water supplies, and ecosystem and watershed protection and restoration. Our strategically located manufacturing facilities are well-positioned to take advantage of the anticipated growth in demand.

Engineered Steel Pressure Pipe. In its Sixth Seventh Drinking Water Infrastructure Needs Survey and Assessment released in March 2018, September 2023, the EPA estimated the nation will need to spend \$473 \$625 billion on public water system infrastructure capital improvements from 2015 2021 to 2034 2040 to continue to provide safe drinking water to the public. The American Society of Civil Engineers ("ASCE") has given poor ratings to many aspects of the United States water infrastructure in their latest report, the 2021 Infrastructure Report Card for Drinking Water. The Failure to Act: Economic Impacts of Status Quo Investment Across Infrastructure Systems report published by ASCE and EBP in 2021, estimates there will be \$2.6 trillion in cumulative infrastructure needs for water and wastewater infrastructure by 2029, and \$5.8 trillion in cumulative infrastructure needs by 2039. The American Water Works Association concluded in their 2012 report, Buried No Longer: Confronting America's Water Infrastructure Challenge, that from 2011 to 2035 more than \$1 trillion will be needed to repair and expand drinking water infrastructure.

According to the United States Census Bureau, the population of the United States will increase by approximately 52 49 million people between 2023 2024 and 2050. The resulting increase in demand will require substantial new infrastructure, as the existing United States water infrastructure is not equipped to provide water to millions of new residents. The development of new sources of water at greater distances from population centers will drive the demand for new water transmission lines. Climate change may be a cause for the drought conditions in some regions of the country and are increasing the demand for new infrastructure. The Construction Outlook 2023 2024 from Dodge Construction Network

forecasts public works construction, in 2023 will grow 18%, supported by which continues to benefit from several recent federal legislative initiatives that have provided ample funding for passed to help improve the nation's aging infrastructure, projects over the coming year will grow 17% in 2024.

As water systems degrade over time and cause failures, many current water supply sources are in danger of being exhausted. Much of the drinking water infrastructure in major cities was built in the mid-20th century with a lifespan of 75 to 100 years. In its 2021 *Infrastructure Report Card for Drinking Water*, the ASCE estimates there are 250,000 to 300,000 water main breaks per year in the United States, wasting over 2.1 trillion gallons of treated drinking water. The ASCE also reports that with utilities averaging a pipe replacement rate of 1.0% to 4.8% per year, the replacement rate now matches the lifecycle of the pipes. These aging water and wastewater systems will drive demand for future investment.

The Drinking Water State Revolving Loan Fund ("DWSRF"), a federal-state partnership and financial assistance program to help water systems and states achieve the health protection objectives of the Safe Drinking Water Act, provided \$3.8 \$4.4 billion in assistance in 2021 fiscal 2022 and \$48.5 \$53.0 billion in assistance since 1997, according to the **2021 2022 DWSRF Annual Report**.

Finally, the increased public awareness of problems with the quality of drinking water and efficient water usage has resulted in more stringent application of federal and state environmental regulations. The need to comply with these regulations in an environment of heightened public awareness is expected to contribute to demand in the water infrastructure industry.

Our large-diameter, engineered welded steel pipeline systems are utilized in water, energy, structural, and plant piping applications. Our core market is the large-diameter, high-pressure portion of a water transmission pipeline that is typically at the "upper end" of a pipeline system. This is the portion of the overall water pipeline that generally transports water from the source to a treatment plant or from a treatment plant into the distribution system, rather than the small lines that deliver water directly into households. We believe the total addressable market for the engineered welded steel pipeline system products sold will be approximately \$2.0 \$1.8 billion over the next three years.

Precast Infrastructure and Engineered Systems. In its 2021 *Infrastructure Report Card for Wastewater*, the ASCE estimates the drinking water and wastewater pipes in the ground, with a typical lifespan expected of 50 to 100 years, are on average 45 years old. In 2020, Bluefield Research estimated that utilities throughout the country will spend more than \$3 billion on wastewater pipe repairs and replacements, addressing 4,692 miles of wastewater pipeline, and this cost is projected to grow by an average of 5% annually.

In its 2021 *Infrastructure Report Card for Stormwater*, the ASCE states that given the recent increase in rainfall trends and urbanization in certain geographic regions, the actual capacity of a stormwater system is often less than the design standard. In addition, from 2010 to 2018 the length of impaired rivers and streams increased 39%, a key indicator of declining stormwater infrastructure condition.

Our high-quality precast and reinforced concrete products and bar-wrapped concrete cylinder pipe are typically used in non-pressure, gravity fed sewer and stormwater applications. Demand for these products is generally influenced by general economic conditions such as housing starts, population growth, and interest rates. New residential and commercial construction and state Department of Transportation funding impact our market. The November 2022 Bluefield Research *Insight Report – U.S. & Canada Municipal Water Outlook: Utility CAPEX & OPEX Forecasts, 2022-2030* ("Bluefield Report") states that since the peak of new U.S. home construction in March 2022, interest rate hikes have dissuaded potential new homebuyers from entering the market. According to the United States Census Bureau, the privately-owned housing starts in December 2022 were at a seasonally adjusted annual rate of 1.4 million, compared to a seasonally adjusted annual rate of 1.8 1.5 million in December 2021, 2023 compared to 1.4 million in December 2022. However, our Precast manufacturing facilities are located in Texas, one of three states with the largest infrastructure asset base, and Utah; both of these states are in the top five of the fastest growing markets (based on compound annual growth rate forecasted through 2030), according to the Bluefield Report.

Backlog

Engineered Steel Pressure Pipe. We measure backlog as a key metric to evaluate the commercial health of our water infrastructure steel pipe business. Backlog represents the balance of remaining performance obligations under signed contracts for SPP products for which revenue is recognized over time. Binding agreements received by us may be subject to cancellation or postponement; however, cancellation would obligate the customer to pay the contract consideration proportional to the costs we have incurred through the cancellation date. As of December 31, 2022 December 31, 2023 and 2021, 2022, backlog was \$274 \$273 million and \$183 \$274 million, respectively. Backlog as of any particular date may not be indicative of actual operating results for any fiscal period. There can be no assurance that any amount of backlog ultimately will be realized. Separate from our backlog, we have been notified that we are the successful bidder on additional projects, but binding agreements have not been executed ("confirmed orders"). As of December 31, 2022 December 31, 2023 and 2021, 2022, backlog including confirmed orders was \$372 \$319 million and \$290 \$372 million, respectively. Projects for which a binding agreement has not been executed could be canceled.

Products

Engineered Steel Pressure Pipe. Water infrastructure steel pipe is used for high-pressure applications, typically requiring pipe to withstand pressures in excess of 150 pounds per square inch. Most of our water transmission products, mainly welded steel pipe and bar-wrapped cylinder pipe, are made to project specifications for fully engineered, large-diameter, high-pressure water infrastructure systems. Other uses include power generation circulating water systems, penstocks, pipe piling, and water and wastewater treatment plants. Spiral welded pipe is manufactured in diameters ranging from 24 inches to 156 inches with wall thickness of 0.135 inches to 1.00 inch. Our rolled and welded capabilities allow for manufacturing diameters greater than 156 inches **or and** wall thicknesses exceeding 1.00 inch. Lining and coating capabilities include cement mortar, polyurethane, epoxy, **and** polyethylene tape **and** coal-tar enamel according to our customers' project specifications. Fabrication of fittings are performed at our own facilities providing installation contractors and project owners with a complete engineered system. Product is delivered to the jobsite using commercial trucks or marine transport as needed.

We manufacture Permalok® steel casing pipe, which is a proprietary pipe joining system that employs a press-fit interlocking connection system. The Permalok® product is generally installed in trenchless construction projects.

Precast Infrastructure and Engineered Systems. We manufacture a variety of high-quality precast concrete products for water, **wastewater**, and adjacent infrastructure applications. Our precast products include **reinforced concrete pipe ("RCP")**, **RCP**, manholes, box culverts, vaults, catch basins, oil water separators, pump lift stations, lined RCP and manholes, and other precast infrastructure products.

The Under the Geneva **facilities** Pipe and Precast product line, we manufacture RCP in sizes ranging from twelve inches to 96 inches in diameter and in a variety of strength classes **at** to ASTM International and American Association of State Highway and Transportation Officials ("AASHTO") specifications which are primarily used for water transmission, sanitary sewer systems, storm drainage, and utilities fabrication. Geneva's **Our** manholes, box culverts, vaults, and other structural products come in a variety of dimensions. Geneva's **Our** lined products include high-density polyethylene ("HDPE"), polypropylene, or fiber reinforced plastic internal liners within manholes and RCP, **with** providing additional corrosion protection in sanitary sewer and wastewater environments.

Under the ParkUSA **brand, product line**, we manufacture pre-assembled stormwater, wastewater, and water management systems housed predominantly in precast concrete or steel housings, including water meter assemblies, break tank systems, pump lift stations, and backflow prevention systems. ParkUSA **We also** manufactures **manufacture** a variety of stormwater products including catch basins, canal valves, and interceptors capable of removing sediments, trash, and oil from stormwater runoff. ParkUSA's **Our** wastewater products protect the environment and limit pollutants from entering sewer systems including interceptors designed to neutralize and macerate foreign materials such as fats, oils, and greases in wastewater for hospitals, service stations, restaurants, and other commercial applications. ParkUSA **Our** units are pre-assembled in a quality-controlled environment and are delivered ready to install to the job site, providing significant savings from onsite assembly.

Manufacturing and Product Development

Engineered Steel Pressure Pipe. Water infrastructure steel pipe manufacturing begins with the preparation of engineered drawings of each unique piece of pipe in a project. These drawings are prepared on our proprietary computer-aided design system and are used as blueprints to manufacture pipe. After the drawings are completed and approved, the manufacturing of engineered steel water pipe begins by feeding a steel coil continuously at a specified angle into a spiral weld mill which cold-forms the band into a tubular configuration with a spiral seam. Automated arc welders, positioned on both the inside and the outside of the tube, are used to weld the seam. The welded pipe is then cut at the specified length. After completion of the forming and welding phases, the finished cylinder is tested and inspected in accordance with project specifications, which may include 100% radiographic analysis of the weld seam. The cylinders are then coated and lined as specified. Possible coatings include polyurethane paint, polyethylene tape, epoxy, **and** cement **mortar, coal-tar enamel, and Pritec® mortar.** The inside of the pipe cylinders can be lined with cement mortar, polyurethane, or epoxy. Following coating and lining, certain pieces may be custom fabricated as required for the project. This process is performed at our on-site fabrication facilities. **Completed pipes are evaluated for structural integrity with a hydrotester prior to shipment.**

In April 2022, we introduced the Permalok® Auger Bore Joint, which utilizes a precision-machined interference fit that eliminates the need for time-sensitive field applied butt-welds **on** trenchless and open-cut applications. This patented pre-installed joint connection is flush with the interior and exterior surfaces of the pipe, allowing for quick, easy, and permanent joining in the field. Its unique stepped profile simplifies installation for our customers.

In November 2022, we announced the development of the Permalok® Radial Bending Joint. This patent-pending technology is a groundbreaking advancement in trenchless microtunneling construction allowing steel pipe to be installed in a curved radius. As with other Permalok joints, the press-fit machined joint reduces field time by eliminating butt-weld joints and results in a shortened install duration and reduced field costs.

Precast Infrastructure and Engineered Systems. Precast concrete products are manufactured using either a dry cast or wet cast concrete mix, depending on the size of the piece and the number of identical pieces to be manufactured. In the dry cast method, a concrete mix with low water content, known as zero-slump concrete, is poured into a mold and then densely compacted around the steel reinforcement using a variety of manufacturing methods. The concrete structure is immediately removed from the mold and allowed to cure in a high humidity environment to ensure proper hydration of the concrete. This method allows multiple pieces to be produced from the same mold each day and is most suitable for high volume, repetitive manufacturing. We also manufacture reinforced concrete pipe by producing a steel mesh cage, enclosing it in a form or mold, and then pouring concrete around it to produce the pipe. In the wet cast method, a concrete mix with relatively high water content is poured into a mold and allowed to cure in the mold, which can take from four to 16 hours.

In our Salt Lake City facility, we are in the process of building a fully automated production system for concrete pipe and manhole components that will replace the facility's existing Transmatic pipe machine. This new technology will offer greater efficiency and safety and is set to increase RCP production capacity and manholes up to 60-inches in diameter. The Exact 2500 system is expected to be operational in 2024 and includes a new reinforced cage welding machine. To increase efficiencies across all of our precast facilities, we are upgrading our manufacturing process of vaults through the investment in monolithic precast forms systems.

We work hand-in-hand with our customers to develop custom water infrastructure products that help protect the environment. Many of our precast wastewater, stormwater, water management, and process systems include integrated Original Equipment Manufacturer components that we build out at our facilities into the finished solution. We build and test each unit to industry standards in our quality-controlled certified facilities. The units arrive at the jobsite ready to install, which reduces jobsite construction time and the need for specialized trades on site.

In April 2023, in line with our commitment to provide sustainable water management solutions, ParkUSA became a distributor of a stormwater diversion system used in wash pads and outdoor pavement areas. The Fox Environmental Diversion Systems automatically divert the 'first flush' of rain or wash water from a wash bay or pad for treatment before it enters a storm drain network. We offer two diversion systems. The Demand Driven Diversion System is triggered with a hose and wash wand, while the First Flush Diversion System is best used in larger spaces and automatically activates with rainfall.

Technology. Advances in technology help us produce high-quality products at competitive prices. We have invested in modern welding and inspection equipment to improve both productivity and product quality. We own interlocking pipe joining system technologies (Permalok®) that provide an alternate joint solution used for connecting steel pipes. One of our team's latest achievements is the development of the Permalok® Radial Bending Joint, which enables steel pipe to be installed along a curved radius in microtunneling applications. This patent-pending technology is a groundbreaking advancement in trenchless construction and allows the pipe path to bend in any direction around existing utility lines, monuments, and building foundations. Benefits to the contractor include a smaller jobsite footprint, fewer shafts, and more precise execution of tunneling over longer distances.

In addition, we are licensed to manufacture a conventional reinforced concrete pipe RCP with a HDPE liner to protect concrete pipe from corrosion, and a lined manhole system, which integrates a monolithic precast concrete monolithic base with a plastic liner that is chemically resistant to raw sewage gases. Newly added to our corrosion-resistant lined products is the fiber reinforced polymer ("FRP") panel for rehabilitating large wastewater structures. The half-inch thick panel consists of seven layers including a high-strength honeycomb and a FRP gel coat. The panels are mechanically anchored to the inside of a structure and sealed to form a gas and water-tight lining. The FRP panel system is ideal for rehabilitating existing large concrete wastewater structures and extending the structure service life by decades. Both Geneva and ParkUSA also holds several patents for commercially viable products.

To stay current with technological developments in the United States and abroad, we participate in trade shows, industry associations, research projects, and vendor trials of new products. Our staff includes some of the most tenured and experienced pipe manufacturing professionals in the nation.

Intellectual Property. We own various patents, registered trademarks and trade names and applications for, or licenses in respect of the same, that relate to our various products, including a number of innovative technologies relating to water infrastructure as well as precast infrastructure and engineered systems produced by ParkUSA. We also license intellectual property for use in certain of our products from unaffiliated third parties. We believe that our patents, trademarks, and trade names are adequately protected and that any expiration or other loss of one or more of our patents or other intellectual property rights would not have a material adverse effect upon our business, financial condition, or results of operations.

Quality Assurance. We have quality management systems in place that assure we are consistently providing products that meet or exceed customer and applicable regulatory requirements. All of our steel pipe manufacturing facilities' quality management systems in the United States and Mexico are registered under a multi-site registration by the International Organization for Standardization ("ISO"). In addition to the ISO qualification, we are certified for specific steel pipe products or operations by the American Petroleum Institute. All of our steel pipe water transmission manufacturing facilities are certified by NSF for cement lining. We are certified for specific precast and reinforced concrete products or operations by the National Precast Concrete Association and the National Ready Mixed Concrete Association. We also follow and make products to the following standards and specifications: American Institute of Steel Construction, American Society of Mechanical Engineers, American Welding Society, Caltrans, American Water Works Association, ASTM International, AASHTO, and the ASCE. All of our steel pipe nondestructive evaluation technicians are qualified and certified to the guidelines of the American Society for Nondestructive Testing, Inc.

Our quality assurance/quality control department is responsible for monitoring and measuring the characteristics of our products. Inspection capabilities include, but are not limited to, visual, dimensional, liquid penetrant, magnetic particle, hydrostatic, ultrasonic, conventional, computed and real-time x-ray/radioscopic, base material tensile, yield and elongation, sand sieve analysis, coal-tar penetration, concrete compression, lining and coating dry film thickness, adhesion, concrete absorption, guided bend, charpy impact, hardness, metallurgical examinations, chemical analysis, spectrographic analysis, and finished product final inspection. Our products are not released for customer shipment until there is verification that all requirements have been met.

Marketing

Engineered Steel Pressure Pipe. Our seven steel pipe manufacturing facilities in Oregon, California, West Virginia, Texas, Missouri, and Mexico allow us to efficiently serve customers throughout North America. The primary customers for our water infrastructure steel pipe products are installation contractors for projects funded by public water agencies. Our marketing strategy emphasizes early identification of potential water projects, promotion of specifications consistent with our capabilities and products, and close contact with the project designers and owners throughout the design phase. Our in-house sales force is comprised of sales representatives, engineers, and support personnel who work closely with public water agencies, contractors, and engineering firms, often years in advance of a project bid date. These relationships allow us to identify and evaluate planned projects at early stages, and pursue these projects by offering technical support and resources. After an agency completes a design, they publicize the upcoming bid for a water transmission project. We then obtain detailed plans and develop our estimate for the pipe portion of the project. We typically bid to installation contractors who include our bid in their proposals to public water agencies. A public water agency generally awards the entire project to the contractor with the lowest responsive bid.

Precast Infrastructure and Engineered Systems. Our six precast and water systems manufacturing facilities in Texas and Utah allow us to efficiently serve customers throughout Texas, the Intermountain West region, and surrounding states. The primary customers for our precast infrastructure and reinforced concrete products are installation contractors for various commercial, government, residential, and industrial projects. Our marketing strategy emphasizes our product quality and variety of offerings, competitive pricing, customer service, delivery, and technical expertise. We market many of our engineered systems with preinstalled components as having the advantage of reduced field install time, the elimination of multiple vendors, and higher quality control. Our sales force is comprised of in-house and third-party sales representatives, engineers, and support personnel who work closely with the customers to find the right product or solution for their specific need.

In November 2023, we launched an upgraded website to promote ParkUSA products at www.parkusa.com. The site organizes products by user categories, features product video and graphics, and promotes interaction with the sales team. Increased efficiencies include integrating requests for quotes, technical information, and catalogs directly with Salesforce, the customer relationship management system used by ParkUSA. The site will also capture user information to increase social marketing and have improved search engine optimization capabilities.

Competition

Engineered Steel Pressure Pipe. Most water infrastructure steel pipe projects are competitively bid and price competition is vigorous. Price competition may reduce the gross margin on sales, which may adversely affect overall profitability. Other competitive factors include timely delivery, customized specifications, and high freight costs which may limit the ability of manufacturers located in other market areas to compete with us. With water infrastructure steel pipe manufacturing facilities in Oregon, California, West Virginia, Texas, Missouri, and Mexico, we believe we can more effectively compete throughout North America. Our primary competitors in the western United States and southwestern Canada are Imperial Pipe and West Coast Pipe. East of the Rocky Mountains, our primary competitors are Thompson Pipe Group, American SpiralWeld Pipe, and Mid America Pipe Fabricating & Supply, LLC.

Our competitors could build new facilities or expand capacity within our market areas. In 2019, a competitor broke ground on a new spiral welded steel pipe facility in Texas that became operational in the first half of 2021. New or expanded facilities or new competitors could have a material adverse effect on our market share, product pricing, sales, gross margins, and overall profitability in our business.

Precast Infrastructure and Engineered Systems. Our six precast and reinforced concrete product manufacturing facilities in Texas and Utah have several local competitors which are primarily other precast concrete manufacturers in the respective states where we operate. Our primary competitors are Oldcastle Infrastructure in Texas and Utah and The QUIKRETE Companies AmeriTex Pipe & Products LLC in Texas.

Raw Materials and Supplies

We have at least two suppliers for most of our raw materials. We believe our relationships with our suppliers are positive and do not expect that we will experience shortages of raw materials or components essential to our production processes or that we will be forced to seek alternative sources of supply. Any shortages of raw materials may result in production delays and costs, which could have a material adverse effect on our financial position, results of operations, or cash flows.

Engineered Steel Pressure Pipe. The main raw component in our steel pipe manufacturing process is steel. We have historically purchased hot rolled steel coil and steel plate from both domestic and foreign steel mills. Our suppliers include Big River Steel, Steel Dynamics, Inc., Nucor Corporation, United States Steel Corporation, ArcelorMittal, SSAB, POSCO INTERNATIONAL, EVRAZ North America, ArcelorMittal, California Steel Industries, Inc., POSCO INTERNATIONAL, and Cleveland-Cliffs Inc., and Nucor Corporation. Steel is normally purchased after the steel pressure pipe orders are confirmed with an executed contract. Purchased steel represents a substantial portion of our cost of sales. The steel industry is highly cyclical in nature and steel prices fluctuate significantly, influenced by numerous factors beyond our control, including general economic conditions, availability of raw materials, energy costs, import duties, other trade restrictions, and currency exchange rates.

Precast Infrastructure and Engineered Systems. The main raw components in our precast and reinforced concrete products are cement, steel, and aggregate, which are widely available commodities. When possible, we source these raw materials from suppliers near our facilities. During 2022, we experienced supply chain challenges for cement resulting from historically high demand as well as equipment outages, which led to suppliers allocating cement to customers in both Texas and Utah. We also rely on certain suppliers of valves, pumps, piping, and certain custom fabricated items, and experienced supply chain challenges for some of these materials during periods of the year 2022.

Seasonality

Our operations can be affected by seasonal variations and our results tend to be stronger in the second and third quarters of each year due to typically milder weather in the regions in which we operate. We are more likely to be impacted by severe weather events, such as hurricanes and excessive flash flooding, snow, ice, or frigid temperatures, which may cause temporary, short-term anomalies in our operational performance in certain localized geographic regions. However, these impacts usually have not been material to our operations as a whole. See Part I — Item 1A. "Risk Factors" of this [2022 2023](#) Form 10-K for further discussion.

Government Regulations

We are subject to various environmental, health, and employee safety laws and regulations. We believe we are in material compliance with these laws and regulations and do not currently believe that future compliance with such laws and regulations will have a material adverse effect on our capital expenditures, earnings, or competitive position. Nevertheless, we cannot guarantee that, in the future, we will not incur additional costs for compliance or that such costs will not be material.

In particular, we are subject to federal, state, local, and foreign environmental regulations, violations of which could lead to fines, penalties, other civil sanctions, or criminal sanctions. These environmental laws and regulations govern emissions to air; discharges to water; and the generation, handling, storage, transportation, treatment, and disposal of waste materials. We operate under numerous governmental permits and licenses relating to air emissions, stormwater runoff, and other environmental matters. We are subject to environmental laws requiring the investigation and cleanup of environmental contamination at properties we presently own or operate and at third-party disposal or treatment facilities to which these sites send or arrange to send hazardous waste. For example, we have been identified as a potentially responsible party at the Portland Harbor Superfund Site discussed in Note 15 of the Notes to Consolidated Financial Statements in Part II — Item 8. "Financial Statements and Supplementary Data" of this [2022 2023](#) Form 10-K. Estimating liabilities for environmental investigations and cleanup is complex and dependent upon a number of factors beyond our control which may change dramatically. We have no reserves for environmental investigation or cleanup, and we believe this is appropriate based on current information; however, we cannot provide assurance that our future environmental investigation and cleanup costs and liabilities will not result in a material expense.

Human Capital Resources

At Northwest Pipe Company, we believe that a commitment to developing our [Human Capital Resources](#) [human capital resources](#) is necessary to maintain our position as a leader in our marketplace. Key issues of culture, health and safety, and diversity and inclusion are key priorities in our discussions of our environmental, social, and governance (ESG) impact.

Employees. As of [December 31, 2022](#) [December 31, 2023](#), we had [1,312](#) [1,325](#) employees, the overwhelming majority of which were full-time. Approximately [66%](#) [65%](#) of our workforce is employed on an hourly basis, while [34%](#) [35%](#) is salaried. [Approximately 5%](#) As of December 31, 2023, none of our employees [are](#) [were](#) subject to a collective bargaining agreement with a [single](#) [labor union](#); our employees who were previously members of a union elected to de-certify from union representation in November 2023. We consider our relations with our employees [and the labor union](#) to be good. The [weighted-average](#) [average](#) tenure of our employees is approximately 8 years of service. [We believe the risk of employee or union led disruption to production is remote.](#)

Maintaining a sufficient number of skilled employees in order to support the operations at our corporate office and various manufacturing sites continues to be a key focus at Northwest Pipe Company. To that end, we offer a wide array of company-paid benefits to our employees both in the United States and Mexico. Benefits may vary between countries due to customary local practices and statutory requirements, or due to an employee's full or part time status, work location, position, or tenure; however, we believe that as a whole our compensation packages are competitive relative to others in our industry. We are committed to ensuring equal pay for equal work regardless of an employee's age, gender identity, race, ethnicity, sexual orientation, or physical or mental ability.

Culture. Our key values are captured in the acronym ACT, which stands for Accountability, Commitment, and Teamwork, which we seek to demonstrate in our daily actions. Our executive leadership team guides our strategic direction to provide innovative water, environmental, and other infrastructure solutions for a wide range of commercial, residential, and municipal applications which are manufactured safely (see Health and Safety below) and efficiently. As a trusted partner to engineering firms, contractors, and water municipalities, we strive for operational, manufacturing, and client service excellence. Our success stems from our employees delivering product to our customers that consistently meets or exceeds their expectations.

We believe that our employees are our best resources. In order to recognize and reward the continued commitment and teamwork of our employees, when positions that may offer opportunities for advancement become open at Northwest Pipe Company, we first try to fill those positions from within. [In 2023, we launched a leadership training and development program that seeks to enhance the existing skills of some of our longer tenured leaders while providing the opportunity for newer leaders in our organization to develop new skills as they advance in their careers.](#)

We are committed to promoting and supporting fundamental human rights at our facilities, and have adopted a Human Rights Policy. In that policy, we [affirm the rights and freedoms of women and indigenous people](#), and prohibit the use of child labor and all forms of forced labor, including prison labor, indentured labor, bonded labor, military labor, modern forms

of slavery, and any form of human trafficking.

Health and Safety. Our goal is to send each employee home safe at the end of the day. As such, safety is at the central core of our culture, and is infused at every level of our organization. More than just policy and procedure, our safety program gives equal focus to the human side of safety, integrating coaching and mentoring efforts with compliance-driven approaches. By instilling a deep commitment to safety that reaches from our Chief Executive Officer to our general laborers, we have achieved industry-leading safety performance. Over the last four years, our average total recordable incident rate was 2.35 2.17 and our average days away rate was 0.51, 0.39, calculated in accordance with the Occupational Safety and Health Administration's record keeping requirements. Each of our facilities utilize various interactions to achieve this performance, from a toolbox meeting to cover the day's work and any particular safety concern, to monthly Safety Plan Meetings, 'No Days Away' Safety Awards, and our employee-favorite, Safety Day. Each year, a facility may close for one full day, or "Safety Day," to cover safety training and updates. Outside vendors demonstrate the latest safety procedures and equipment in a hands-on, fun atmosphere.

As a manufacturer, we work hard to eliminate hazards associated with high-risk work and have measures in place that include programs for fall protection, heavy equipment operation, and lockout/tagout. We also focus on personal safety issues, such as complacency and fatigue. We offer our employees medical, dental, and vision insurance coverage to support their physical and mental well-being. We seek to keep our employees healthy during the COVID-19 pandemic by taking proactive and precautionary steps to ensure the safety of our employees including frequent cleaning and disinfection of workspaces, providing personal protective equipment, instituting social distancing measure, staggering employee schedules, offering remote working environments for certain employees, encouraging vaccination, and guiding employees on preemptive measures as outlined by the Center for Disease Control (CDC).

Diversity and Inclusion. Diversity and inclusion are integral to our employee experience, and we are proud of our diverse workforce. Companies that are diverse embrace differences in age, gender identity, race, sexual orientation, physical or mental ability, ethnicity, socio-economic status, veteran status, or any other characteristics that make our employees unique. We value these differences as strengths and believe our resilience and achievements as a company culminate from each individual's background, perspective, are shown to be more resilient. We believe that diversity and inclusion are important in building the most effective, high-performing teams as part of our ACT culture. skillset. As of December 31, 2022 December 31, 2023, 51% of our employees in the United States self-identified as belonging to one or more of the following racial/ethnic groups: American Indian or Alaskan Native, African American/Black, Asian, Hispanic or Latino, and Native Hawaiian or other Pacific Islander. As of December 31, 2022 December 31, 2023, 12% 13% of our employees self-identified as female.

Our goal is to build a skilled and strong workforce that is not only diverse in race and ethnicity, but also diverse in age, gender identity, sexual orientation, physical or mental ability, and perspective. Our Affirmative Action Program ("AAP") strives to hire, recruit, train, and promote employees in job classifications without regard to race, age, religion, color, sex, national origin, physical or mental disability, marital or veteran status, sexual orientation, gender identity, or any other classification protected by law. To support these efforts, the AAP for our facilities in the United States is reviewed annually by a third-party consultant, establishing annual hiring goals for women, minorities, veterans, and individuals with disabilities.

Ethics and Compliance. We take pride in the high standards of conduct that identifies us as a company. We have controls in place relating to compliance with our Code of Business Conduct and Ethics ("Code"), including a requirement for employees to review and understand the requirements of our Code, as well as an established whistleblower hotline and related procedures. Our Code, along with other key governance policies, is published on our website.

We conduct training on our Code upon hire, and in regular intervals during the employee's life cycle with us. The most recent ethics training for all salaried employees was launched conducted in the fourth quarter of 2022. We also conduct anti-trust training annually. The most recent anti-trust training for certain senior management and sales employees was conducted in the first quarter of 2023. In addition, we recently conducted our "Respect conduct Respect in the Workplace" Workplace training which focused focuses on inclusion, communication, and attentiveness to workplace behaviors and their impact on others.

Cybersecurity

Cybersecurity is a top priority, and our program is driven by our commitment to maintaining a strong security architecture, active governance, and robust controls. Our program is led by our Director of Information Technology, who works closely with our senior management team to advance our cybersecurity strategy. The Audit Committee most recent Respect in the Workplace training at all of our Board of Directors receives quarterly updates regarding information about cyber risk mitigation strategies, proposed plans of action to strengthen our architecture against evolving risks, as well as the identification of known cybersecurity breaches, in the event applicable. We do not believe our systems were breached facilities was conducted in 2022.

We maintain an incident response plan in the event of a cybersecurity incident, for the purpose of contacting authorities and informing key stakeholders. The principles of our program align with the National Institute of Standards and Technology's five phase Cybersecurity Framework to identify, protect, detect, respond, and recover. Further, we use industry leading security tools, continuously monitor our networking architecture, conduct simulated attacks, and require employee training.

Information About Our Executive Officers

Information about our executive officers is set forth under the caption "Directors, Executive Officers, Promoters and Control Persons" in Part III — Item 10. "Directors, Executive Officers and Corporate Governance" of this 2022 2023 Form 10-K and is incorporated herein by reference.

Available Information

Our internet address is www.nwpipe.com. Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act are available free of charge through our website as soon as reasonably practicable after we electronically file such material with, or furnish it to, the SEC. All statements made in any of our securities filings, including all forward-looking statements or information, are made as of the date of the document in which the statement is included, and we do not assume or undertake any obligation to update any of those statements or documents unless we are required to do so by law. Our website and the information contained therein or connected thereto are not incorporated into this [2022](#) [2023](#) Form 10-K.

Additionally, the SEC maintains an internet site that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC at www.sec.gov.

Item 1A. Risk Factors

You should carefully consider the following factors, together with all the other information included in this [2022](#) [2023](#) Form 10-K, in evaluating our company and our business. If any of the following risks actually occur, our business, financial condition, results of operations, or cash flows could be materially and adversely affected, and the value of our stock could decline. The risks and uncertainties described below are those that we currently believe may materially affect our company. Additional risks and uncertainties not presently known to us or that we currently deem immaterial also may impair our business operations. As such, you should not consider this list to be a complete statement of all potential risks or uncertainties.

Risk Factor Summary

This risk factor summary contains a high-level overview of certain of the principal factors and uncertainties that make an investment in our securities risky, including risks related to our industry and end markets, our business, our supply chain and production process, our financial condition, our internal control over financial reporting, and our common stock. The following summary is not complete and should be read together with the more detailed discussion of these and the other factors and uncertainties that follows [follow](#) before making an investment decision regarding our securities. The principal factors and uncertainties that [makes](#) [make](#) an investment in our securities risky include the following.

Risks Related to Our Industry and End Markets

- Project delays in public water transmission projects could adversely affect our business;
- A downturn in government spending related to public water transmission projects could adversely affect our business;
- Our Engineered Steel Pressure Pipe segment faces an overcapacity situation due to recent capacity expansions as well as the potential for increased competition from substitute products from manufacturers of concrete pressure pipe, ductile iron, polyvinyl chloride ("PVC"), and high-density polyethylene pipe;
- The success of our business is affected by general and local economic conditions, and our business may be adversely affected by an economic slowdown or recession, or an inability of our pricing to keep pace with inflation of input costs; and
- We are subject to stringent environmental, health, and safety laws, which may require us to incur substantial compliance and remediation costs, thereby reducing our profits.

Risks Related to Our Business

- We face risks in connection with the integration of recent or future potential acquisitions and [the implementation of future potential](#) [divestitures](#);
- [The Recent or future potential](#) [acquisitions of ParkUSA, Geneva, and acquisitions of other companies in the future](#) could adversely affect operating results, dilute shareholders' equity, or cause us to incur additional debt or assume contingent liabilities;
- Our quarterly results of operations are subject to significant fluctuation;
- Operating problems in our business could adversely affect our business, financial position, results of operations, or cash flows;
- We may be unable to develop or successfully market new products or our products might not obtain necessary approvals or achieve market acceptance, which could adversely affect our growth;
- Our recognition of revenue over time includes estimates;
- We have a foreign operation which exposes us to the risks of doing business abroad;
- Our Engineered Steel Pressure Pipe backlog is subject to reduction and cancellation;

- The Future outbreaks of infectious diseases, including further developments in the coronavirus disease 2019 ("COVID-19") pandemic, may have an adverse impact on our business;
- The conflict conflicts in Ukraine and Israel may have an adverse impact on our business; and
- Climate change and related regulatory requirements present an ongoing risk to our business operations.

Risks Related to Our Supply Chain and Production Process

- Our business may be adversely impacted by staffing shortages, other labor matters, and work stoppages;
- Fluctuations in steel prices and availability may affect our future results of operations;
- We may be subject to claims for damages for defective products, which could adversely affect our business, financial position, results of operations, or cash flows;
- We may not be able to recover costs and damages from vendors that supply defective materials; and
- Our information technology systems can be negatively affected by cybersecurity threats.

Risks Related to Our Financial Condition

- We will need to substantially increase working capital if market conditions and customer order levels continue to grow;
- Our debt obligations could have a material adverse effect on our business, financial condition, results of operations, or cash flows;
- A portion of our indebtedness is subject to interest rate risk, which could cause our debt service obligations to increase significantly;
- Our failure to comply with covenants in our debt agreements could result in our indebtedness being immediately due and payable, which could have a material adverse effect on our business, financial condition, results of operations, or cash flows; and
- Disruptions in the financial markets, including in the banking industry, and a general economic slowdown could cause us to be unable to obtain financing or receive customer payments and expose us to risks related to the overall macro-economic environment, which could have a material adverse effect on our business, financial condition, results of operations, or cash flows.

Risks Related to Our Internal Control Over Financial Reporting

- Our Audit Committee and management We have identified a material weakness weaknesses in our internal controls over financial reporting, and we may be unable to develop, implement, and maintain appropriate controls in future periods. prior years.

Risks Related to Our Common Stock

- The relatively low trading volume of our common stock may limit your ability to sell your shares;
- The market price of our common stock could be subject to significant fluctuations;
- We cannot guarantee that our share repurchase program of our common stock will be fully consummated or that it will enhance long-term stockholder value. Share repurchases could also increase the volatility of the trading price of our common stock and could diminish our cash reserves thereby impacting our ability to execute our growth strategy; and
- Certain provisions of our governing documents and Oregon law could discourage potential acquisition proposals.

Risks Related to Our Industry and End Markets

Project delays in public water transmission projects could adversely affect our business. The public water agencies constructing water transmission projects generally announce the projects well in advance of the bidding and construction process. It is not unusual for SPP projects to be delayed and rescheduled. Projects are delayed and rescheduled for a number of reasons, including changes in project priorities, difficulties in complying with environmental and other government regulations, changes in ability to obtain adequate project funding, and additional time required to acquire rights-of-way or property rights. Delays in public water transmission projects may occur with insufficient notice to allow us to replace those projects in our manufacturing schedules. As a result, our business, financial position, results of operations, or cash flows may be adversely affected by unplanned downtime or reductions to facility utilization levels.

A downturn in government spending related to public water transmission projects could adversely affect our business. Our business is primarily dependent upon spending on public water transmission projects, including water infrastructure upgrades, repairs, and replacement and new water infrastructure spending, which in turn depends on, among other things:

- the need for new or replacement infrastructure;
- the priorities placed on various projects by governmental entities;
- federal, state, and local government spending levels, including budgetary constraints related to capital projects and the ability to obtain financing; and
- the ability of governmental entities to obtain environmental approvals, right-of-way permits, and other required approvals and permits.

Decreases in the number of, or government funding of, public water transmission projects could adversely affect our business, financial position, results of operations, or cash flows.

Our Engineered Steel Pressure Pipe segment faces an overcapacity situation due to recent capacity expansions as well as the potential for increased competition from substitute products from manufacturers of concrete pressure pipe, ductile iron, polyvinyl chloride, and high-density polyethylene pipe. Most SPP projects are competitively bid and price competition can be vigorous. In a market that already has overcapacity issues, recent increases in capacity have negatively affected our sales, gross margins, and overall profitability. Other competitive factors include timely delivery, ability to meet customized specifications, and high freight costs. Although our SPP manufacturing facilities in Oregon, California, West Virginia, Texas, Missouri, and Mexico allow us to compete throughout North America, our competitors could build new facilities or expand capacity within our market areas. In 2019, a competitor broke ground on a new spiral welded steel pipe facility in Texas that became operational in the first half of 2021. New or expanded facilities or new competitors could have a material adverse effect on our market share, product pricing, sales, gross margins, and overall profitability in our business.

Water transmission pipe is manufactured generally from steel, concrete, ductile iron, PVC, or HDPE. Each pipe material has advantages and disadvantages. Steel and concrete are more common materials for larger-diameter water transmission pipelines because ductile iron pipe generally is limited in diameter due to the manufacturing process. The public agencies and engineers who determine the specifications for water transmission projects analyze these pipe materials for suitability for each project. Individual project circumstances normally dictate the preferred material. If we experience cost increases in raw materials, labor, and overhead specific to our industry or the location of our facilities, while competing products or companies do not experience similar changes, we could experience an adverse change in the demand, price, and profitability of our products, which could have a material adverse effect on our business, financial position, results of operations, or cash flows.

The success of our business is affected by general and local economic conditions, and our business may be adversely affected by an economic slowdown or recession, or an inability of our pricing to keep pace with inflation of input costs. We are subject to national and regional economic conditions. These conditions include, but are not limited to, recession, inflation, interest rates, unemployment levels, the state of the housing market, and gasoline prices. These conditions and the economy in general could be affected by significant national or international events such as a global health crisis, (like COVID-19), acts of terrorism, or acts of war (including the recent Russian invasion of Ukraine) Ukraine and the current escalating Israel-Palestine conflict).

Periods of economic slowdown or recession in the United States, or the public perception that one may occur, have and could further decrease the demand for our products, affect the price of our products, and adversely impact our business. We have been impacted in the past by the general slowing of the economy, and the economic slowdown has had an adverse impact on our business, financial position, results of operations, or cash flows. Alternatively, our business may be adversely impacted by high inflation of input costs.

We currently conduct a significant portion of our precast and reinforced concrete products business in Texas and Utah, which we estimate represented approximately 52%51% and 43%41%, respectively, of Precast net sales for the year ended December 31, 2022 December 31, 2023. Local economic conditions depend on a variety of factors, including national economic conditions, local and state budgets, infrastructure spending, and the impact of federal cutbacks. Any decrease in construction activity in Texas or Utah could have a material adverse effect on our business, financial condition, and results of operations.

We are subject to stringent environmental, health, and safety laws, which may require us to incur substantial compliance and remediation costs, thereby reducing our profits. We are subject to many federal, state, local, and foreign environmental, health, and safety laws and regulations, particularly with respect to the use, handling, treatment, storage, discharge, and disposal of substances and hazardous wastes used or generated in our manufacturing processes. Compliance with these laws and regulations is a significant factor in our business. We have incurred, and expect to continue to incur, significant expenditures to comply with applicable environmental laws and regulations. Our failure to comply with applicable environmental laws and regulations and permit requirements could result in civil or criminal fines or penalties or enforcement actions, including regulatory or judicial orders enjoining or curtailing operations or requiring corrective measures, installation of pollution control equipment, or remedial actions.

We are currently, and may in the future be, required to incur costs relating to the environmental assessment or environmental remediation of our property, and for addressing environmental conditions, including, but not limited to, the issues associated with our Portland, Oregon facility as discussed in Note 15 of the Notes to Consolidated Financial Statements in Part II — Item 8. "Financial Statements and Supplementary Data" of this 20222023 Form 10-K. Some environmental laws and regulations impose liability and responsibility on present and former owners, operators, or users of facilities and sites for contamination at such facilities and sites without regard to causation or knowledge of contamination. Consequently, we cannot assure you that existing or future circumstances, the development of new facts, or the failure of third parties to address contamination at current or former facilities or properties will not require significant expenditures by us.

We expect to continue to be subject to increasingly stringent environmental, health, and safety laws and regulations. It is difficult to predict the future interpretation and development of environmental, health, and safety laws and regulations or their impact on our future earnings and operations. We anticipate that compliance with these laws and regulations will

continue to require capital expenditures and operating costs. Any increase in these costs, or unanticipated liabilities arising, for example, out of discovery of previously unknown conditions or more aggressive enforcement actions, could adversely affect our results of operations, and there is no assurance that they will not have a material adverse effect on our business, financial position, results of operations, or cash flows.

Risks Related to Our Business

We face risks in connection with the integration of recent or future potential acquisitions and the implementation of future potential divestitures. Acquiring businesses that expand and/or complement our operations has been an important element of our business strategy, and we continue to evaluate potential acquisitions that may expand and/or complement our business. We may not be able to successfully identify attractive acquisition candidates or negotiate favorable terms in the future. Furthermore, our ability to effectively integrate any future acquisitions will depend on, among other things, the adequacy of our implementation plans, the ability of our management to oversee and operate effectively the combined operations, and our ability to achieve desired operational efficiencies. We may face challenges in integrating cultures, information systems, and business processes and policies in a seamless manner that minimizes any adverse impact on customers, suppliers, employees, and other parties. Acquired businesses may have liabilities, adverse operating issues, or other matters of concern arise following the acquisition that we fail to discover through due diligence prior to the acquisition. Further, our acquisition targets may not have as robust internal controls over financial reporting as would be expected of a public company, and therefore could lead to potential internal control deficiencies or material weaknesses. Acquisitions may also result in the recording of goodwill and other intangible assets that are subject to potential impairment in the future that could harm our financial results. We may also consider other alternatives in order to strategically position our business and continue to compete in our markets, which may include joint ventures and/or divestitures. Our failure to successfully integrate the operations of any businesses that we may acquire in the future or our inability to attract a business partner in which to enter into a joint venture or a buyer willing to purchase our assets may adversely affect our business, financial position, results of operations, or cash flows.

We acquired ParkUSA on October 5, 2021 and Geneva on January 31, 2020. The success of these acquisitions depends, in part, on our ability to successfully integrate these businesses with our current operations and to realize the anticipated benefits, including synergies, from the acquisitions on a timely basis. It may take longer than expected to realize these anticipated benefits and they may ultimately be smaller than we expect. There are a number of challenges and risks involved in our ability to successfully integrate ParkUSA and Geneva with our current business and to realize the anticipated benefits of these acquisitions, including all of the risks identified in the previous paragraph. Material weaknesses in our internal control over financial reporting as of December 31, 2022 were identified in connection with the design and implementation of the enterprise resource planning ("ERP") system implemented on August 1, 2022 at ParkUSA, as described in Part II — Item 9A, "Controls and Procedures" of this 2022 Form 10-K. Any of these factors could have a material adverse effect on our business, financial condition, results of operations, or cash flows.

The Recent or future potential acquisitions of ParkUSA, Geneva, and acquisitions of other companies in the future could adversely affect operating results, dilute shareholders' equity, or cause us to incur additional debt or assume contingent liabilities. To increase business, broaden the diversification of our products, or for other business or strategic reasons, we may acquire other companies in the future. For example, in October 2021 we acquired ParkUSA and in January 2020, we acquired Geneva. The acquisitions of ParkUSA and Geneva and any other acquisitions that we may enter into from time to time, involve a number of risks that could harm our business and result in ParkUSA, Geneva, and/or any other acquired business not performing as expected, including:

- problems integrating the acquired operations, personnel, technologies, or products with the existing business and products;
- failure to achieve cost savings or other financial or operating objectives with respect to an acquisition;
- possible adverse short-term effects on cash flows or operating results, and the use of cash and other resources for the acquisition that might affect liquidity, and that could have been used for other purposes;
- diversion of management's time and attention from our existing business to the acquired business;
- potential failure to retain key technical, management, sales, and other personnel of the acquired business;
- difficulties in retaining relationships with suppliers and customers of the acquired business, particularly where such customers or suppliers compete with us;
- difficulties in the integration of financial reporting systems, which could cause a delay in the issuance of, or impact the reliability of the consolidated financial statements;
- failure to comply with Section 404 of the Sarbanes-Oxley Act of 2002 ("Sarbanes-Oxley Act"), including a delay in or failure to successfully integrate these businesses into our internal control over financial reporting, such as the material weaknesses in our internal control over financial reporting as of December 31, 2022 identified in connection with the design and implementation of the ERP system implemented on August 1, 2022 at ParkUSA, and since remediated, as described in Part II — Item 9A, "Controls and Procedures" of this 2022 Form 10-K;
- insufficient experience with technologies and markets in which the acquired business is involved, which may be necessary to successfully operate and integrate the business;
- subsequent impairment of goodwill and acquired long-lived assets, including intangible assets;
- failure to achieve the expected return on investment for capital deployed to the organic growth strategies associated with prior acquisitions; and
- assumption of liabilities including, but not limited to, lawsuits, environmental liabilities, regulatory liabilities, tax examinations, and warranty issues.

We may enter into acquisitions that are dilutive to earnings per share or that adversely impact margins as a whole. In addition, acquisitions could require investment of significant financial resources and require us to obtain additional equity financing, which may dilute shareholders' equity, or require us to incur indebtedness.

Our quarterly results of operations are subject to significant fluctuation. Our net sales and operating results may fluctuate significantly from quarter to quarter due to a number of factors, including:

- the commencement, completion, or termination of contracts during any particular quarter;
- unplanned down time due to project delays or mechanical failure;
- underutilized capacity or facility productivity;
- adverse weather conditions;
- fluctuations in the cost of raw materials;
- disruptions in our supply chain; and
- competitive pressures.

Results of operations in any period are not indicative of results for any future period, and comparisons between any two periods may not be meaningful.

Operating problems in our business could adversely affect our business, financial position, results of operations, or cash flows. Our manufacturing operations are subject to typical hazards and risks relating to the manufacture of similar products such as:

- explosions, fires, inclement weather, and natural disasters;
- mechanical failure;
- unscheduled downtime;
- labor shortages;
- loss of process control and quality;
- disruptions to supply;
- raw materials quality defects;
- service provider delays or failures;
- transportation delays or failures;
- an inability to obtain or maintain required licenses or permits; and
- environmental hazards such as chemical spills, discharges, or releases of toxic or hazardous substances or gases into the environment or workplace.

The occurrence of any of these operating problems at our facilities may have a material adverse effect on the productivity and profitability of a particular manufacturing facility or on our operations as a whole, during and after the period of these operating difficulties. For example, as discussed in Note 15 of the Notes to Consolidated Financial Statements in Part II — Item 8. "Financial Statements and Supplementary Data" of this 2022 Form 10-K, on April 21, 2019, there was an accidental fire at our Saginaw, Texas facility which resulted in damage to the coatings building. There were no injuries, but the ability to coat at this facility was impaired while we repaired the damage. The operating problems listed above may also cause personal injury and loss of life, severe damage to or destruction of property and equipment, and environmental damage. In addition, individuals could seek damages for alleged personal injury or property damage. Furthermore, we could be subject to present and future claims with respect to workplace injury, exposure to hazardous materials, workers' compensation, and other matters. Although we maintain property and casualty insurance of the types and in the amounts that we believe are customary for our industries, we cannot assure you that our insurance coverage will be adequate for liability that may be ultimately incurred or that such coverage will continue to be available to us on commercially reasonable terms. Any claims that result in liability exceeding our insurance coverage could have an adverse effect on our business, financial position, results of operations, or cash flows.

We may be unable to develop or successfully market new products or our products might not obtain necessary approvals or achieve market acceptance, which could adversely affect our growth. We will continue to actively seek to develop new products and to expand our existing products into new markets, but we cannot assure you that we will be successful in these efforts. If we are unsuccessful in developing and marketing new products, expanding into new markets, or we do not obtain or maintain requisite approvals for our products, the demand for our products could be adversely affected, which could adversely affect our business, financial position, results of operations, or cash flows.

Our recognition of revenue over time includes estimates. SPP revenue for water infrastructure steel pipe products is recognized over time as the manufacturing process progresses, and is measured by the costs incurred to date relative to the estimated total direct costs to fulfill each contract (cost-to-cost method). Estimated total costs of each

contract are reviewed on a monthly basis by project management and operations personnel for all active projects. All cost revisions that result in a material change in gross profit are reviewed by senior management personnel.

Significant judgment is required in estimating total costs and measuring the progress of project completion, as well as whether a loss is expected to be incurred on the contract. Changes in job performance, job conditions, and estimated profitability, including those arising from contract change orders, contract penalty provisions, foreign currency exchange rate movements, changes in raw materials costs, and final contract settlements may result in revisions to estimates of revenue, costs, and income, and are recognized in the period in which the revisions are determined. Due to the variability of events affecting our estimates which have a material impact on our contract accounting, actual results could differ from those estimates, which could adversely affect our financial position, results of operations, or cash flows.

We have a foreign operation which exposes us to the risks of doing business abroad. Our facility in San Luis Río Colorado, Mexico primarily exports products to the United States. We may operate in additional countries in the future. Any material changes in the quotas, regulations, tariffs, or duties on imports imposed by the United States government and our agencies, or on exports imposed by these foreign governments and their agencies could adversely affect our foreign operations.

We also sell some of our products internationally, most often into Canada. Our foreign activities are also subject to various other risks of doing business in a foreign country, including:

- currency fluctuations;
- the imposition of duties, tariffs, and other trade barriers;
- transportation delays and interruptions;
- political, social, and economic instability and disruptions;
- government embargoes or foreign trade restrictions;
- import and export controls;
- labor unrest and current and changing regulatory environments;
- limitations on our ability to enforce legal rights and remedies; and
- potentially adverse tax consequences.

No assurance can be given that our operations may not be adversely affected in the future. Any of these events could have an adverse effect on our operations in the future by reducing the demand for our products and services, decreasing the prices at which we can sell our products, or increasing costs such that there could be an adverse effect on our business, financial position, results of operations, or cash flows. We cannot assure you that we will continue to operate in compliance with applicable customs, currency exchange control regulations, transfer pricing regulations, or any other laws or regulations to which we may be subject, or that any such regulations or laws will not be modified. Any failure by us to comply with any such applicable regulations or laws, or any changes in any such regulations or laws could have a material adverse effect on our business, financial position, results of operations, or cash flows.

Our Engineered Steel Pressure Pipe backlog is subject to reduction and cancellation. Backlog, which represents the balance of remaining performance obligations under signed contracts for SPP water infrastructure steel pipe products for which revenue is recognized over time, was ~~approximately \$274~~\$273 million as of ~~December 31, 2022~~December 31, 2023. Our backlog is subject to fluctuations; moreover, cancellations of purchase orders, change orders on contracts, or reductions of product quantities could materially reduce our backlog and, consequently, future revenues. Our failure to replace canceled or reduced backlog could result in lower revenues, which could adversely affect our business, financial position, results of operations, or cash flows.

The Future outbreaks of infectious diseases, including further developments in the COVID-19 pandemic, may have an adverse impact on our business. The impacts of the COVID-19 pandemic, and the resurgence of new COVID-19 virus variants, on global and domestic economic conditions, including the impacts of labor and raw material shortages, the long-term potential to reduce or delay funding of municipal projects, and the continued disruptions to and volatility in the financial markets remain uncertain. While the COVID-19 pandemic has caused various direct and indirect financial impacts associated with project bidding, execution, and product deliveries over the past couple of years, we remain unable to predict the ultimate impact that the COVID-19 pandemic may have on our business, future results of operations, financial position, or cash flows. We continue to monitor the impact of the COVID-19 pandemic on all aspects of our business. The impacts of the COVID-19 pandemic may also exacerbate other risks discussed in Part I – Item 1A. “Risk Factors” in this ~~2022~~2023 Form 10-K, any of which could have a material effect on us. This situation is changing rapidly and additional impacts may arise that we are not aware of currently.

The conflict in Ukraine and Israel may have an adverse impact on our business. On February 24, 2022, Russia invaded Ukraine. The invasion received widespread Current conflicts around the world, including those in Ukraine and Israel, and related sanctions could damage or disrupt international condemnation and many countries, including the United States, imposed new sanctions. While the situation remains highly fluid commerce and the outlook is subject to extraordinary uncertainty, the crisis has already resulted in economic consequences. Energy and commodity prices have surged, adding to inflationary pressures from supply chain disruptions and the rebound from the COVID-19

pandemic. The sanctions on Russia have had a substantial impact on the global economy and financial markets, with significant spillovers to other countries. Should the conflict escalate, the economic damage may increase.

economy. We continue to monitor the **impacts** of the **conflicts** in Ukraine and Israel on all aspects of our business, including how it will impact our employees, customers, supply chain, and distribution network. Impacts include financial and commodity volatility in raw material and other input costs and availability, as well as volatility in the financial markets. The severity of impacts on the global economy and our business, results of operations, financial position and cash flows remain unknown.

Climate change and related regulatory requirements present an ongoing risk to our business operations. The rise in average global temperatures has resulted in elevated levels of carbon dioxide and other greenhouse gases in the atmosphere, altering long-term weather patterns that lead to an increased frequency and severity of natural disasters. Severe weather conditions could potentially disrupt our manufacturing and construction activities; areas prone to flooding could face delays resulting in lost production and extreme heat could threaten the health and well-being of our employees. Given the changes in weather patterns brought on by climate change, essentially all of our facilities are vulnerable to extreme conditions and natural disasters, increasing the risk of damage to our facilities and products. Those risks could also hinder our supply chain processes and limit our access to raw materials or our ability to fulfill orders for customers. Evolving governmental regulations to combat climate change risks would likely increase our costs for items including energy and transportation, which may prove disproportional to similar increases in costs experienced by competitors. We anticipate heightened regulatory focus in the near future and failure to comply with new environmental regulations and policies could result in reputational damage with our stakeholders, resulting in decreased demand for our products and lower than expected revenue.

Risks Related to Our Supply Chain and Production Process

Our business may be adversely impacted by staffing shortages, other labor matters, and work stoppages. Current nationwide staffing shortages have impacted our ability to attract both skilled and unskilled workers needed for our manufacturing operations, and the inability to fully staff any one of our facilities may impact our ability to work on projects and, as a result, could have a material adverse effect on our business, financial position, results of operations, or cash flows. A work stoppage or other limitation on production could occur at our facilities or our suppliers' facilities for any number of reasons, including as a result of absenteeism, public health issues, (i.e. COVID-19), labor issues, including disputes under our existing a collective bargaining agreement or in connection with negotiation of new collective bargaining agreements, or for other reasons.

As of December 31, 2022, we had approximately 62 employees that were represented by a single labor union. Although we

We believe that our relations with our employees and the labor union are good, however no assurances can be made that we will not experience conflicts with the labor union, unions, other groups representing employees, or our employees in general, especially general. Although none of our employees are currently covered by collective bargaining agreements, our employees may elect to be represented by labor unions in the context of any future, negotiations with the which could increase our labor union. We can also make no assurance that future negotiations with the labor union will not result in a significant increase in the cost of labor costs

Additionally, the employees of some of our customers are unionized. Any strikes, other labor matters, or work stoppages experienced by our customers may impact our ability to work on projects and, as a result, have an adverse effect on our business, financial position, results of operations, or cash flows.

Fluctuations in steel prices and availability may affect our future results of operations. Purchased steel represents a substantial portion of SPP cost of sales. The steel industry is highly cyclical in nature, and at times, pricing can be highly volatile due to a number of factors beyond our control, including general economic conditions, import duties, other trade restrictions, and currency exchange rates. Over the past three years, steel prices have fluctuated significantly. Our average cost for a ton of steel was approximately \$994 per ton in 2023, \$1,174 per ton in 2022, and \$1,291 per ton in 2021, and \$655 per ton in 2020. In 2022, 2023, our monthly average steel purchasing costs ranged from a high of approximately \$1,792 per ton to a low of approximately \$806 per ton. This volatility can significantly affect our gross profit.

Although we seek to recover increases in steel prices through price increases in our products, we have not always been successful. Any increase in steel prices that is not offset by an increase in our prices could have an adverse effect on our business, financial position, results of operations, or cash flows. In addition, if we are unable to acquire timely steel supplies, we may need to decline project bidding opportunities, which could also have an adverse effect on our business, financial position, results of operations, or cash flows.

We may be subject to claims for damages for defective products, which could adversely affect our business, financial position, results of operations, or cash flows. We warrant our products to be free of certain defects. We have, from time to time, had claims alleging defects in our products. We cannot assure you that we will not experience material product liability losses in the future or that we will not incur significant costs to defend such claims. While we currently have product liability insurance, we cannot assure you that our product liability insurance coverage will be adequate for liabilities that may be incurred in the future or that such coverage will continue to be available to us on commercially reasonable terms. Any claims relating to defective products that result in liabilities exceeding our insurance coverage could have an adverse effect on our business, financial position, results of operations, or cash flows.

We may not be able to recover costs and damages from vendors that supply defective materials. We may receive defective materials from our vendors that are incorporated into our products during the manufacturing process. The cost to repair, remake, or replace defective products could be greater than the amount that can be recovered from the vendor, in addition to creating inefficiencies in our production scheduling. Such excess costs could have an adverse effect on our business, financial position, results of operations, or cash flows.

Our information technology systems can be negatively affected by cybersecurity threats. Increased global information technology security requirements, vulnerabilities, threats, and a rise in sophisticated and targeted computer crime pose a risk to the security of our systems, networks, and the confidentiality, availability, and integrity of our data. Despite our efforts to protect sensitive information and confidential and personal data, our facilities and systems and those of our third-party service providers may be vulnerable to security breaches. This could lead to disclosure, modification, or destruction of proprietary, employee, and other key information and operational disruptions, which in turn could adversely affect our reputation and competitiveness in our markets. To the extent that any disruption or security breach results in a loss or damage to our data, or an inappropriate disclosure of confidential or protected personal information, it could cause significant damage to our reputation, affect our relationships with our customers, suppliers, and employees, lead to claims against us, and ultimately harm our business. Additionally, we may be required to incur significant costs to protect against damage caused by these disruptions or security breaches in the future. Any of the foregoing factors could have an adverse effect on our business, financial position, results of operations, or cash flows.

Risks Related to Our Financial Condition

We will need to substantially increase working capital if market conditions and customer order levels continue to grow. If market conditions and SPP customer order levels were to dramatically increase, we would have to increase our working capital substantially, as it takes several months for project production to be translated into cash receipts. In general, revolving loan borrowings and letters of credit under the Credit Agreement dated June 30, 2021 with Wells Fargo Bank, National Association ("Wells Fargo"), as administrative agent, and the lenders from time to time party thereto, including the initial sole lender, Wells Fargo (the "Lenders"), as amended by the Incremental Amendment dated October 22, 2021 and, the Second Amendment to Credit Agreement dated April 29, 2022, and the Third Amendment to Credit Agreement dated June 29, 2023 (together, the "Amended Credit Agreement"), are limited to the aggregate amount of \$125 million. ("Revolver Commitment"), with an option for us to increase that amount by \$50 million, subject to provisions of the Amended Credit Agreement. As of December 31, 2022 December 31, 2023 under the Amended Credit Agreement, we had \$83.7 \$54.5 million of outstanding revolving loan borrowings, \$1.1 million of outstanding letters of credit, and additional borrowing capacity of approximately \$40 \$69 million. We may not have sufficient availability under the Amended Credit Agreement to borrow the amounts we need, and other opportunities to borrow additional funds or raise capital in the equity markets may be limited or nonexistent. A shortage in the availability of working capital could have a material adverse effect on our business, financial condition, results of operations, or cash flows.

Our debt obligations could have a material adverse effect on our business, financial condition, results of operations, or cash flows. We have financed our operations through cash flows from operations, available borrowings, and other financing arrangements. As of December 31, 2022 December 31, 2023, we had \$83.7 \$54.5 million of outstanding revolving loan borrowings, \$10.8 million of current debt, \$94.2 \$90.2 million of operating lease liabilities, and \$3.0 \$7.5 million of finance lease liabilities. We could incur additional revolving loan borrowings under the Amended Credit Agreement in the future to finance increases in working capital, finance share repurchases, mergers, acquisitions, and capital expenditures, fund negative operating cash flows, or for other corporate purposes. These borrowings could become significant in the future.

Our current and future debt and debt service obligations could:

- limit our ability to obtain additional financing for working capital or other purposes in the future;
- reduce the amount of funds available to finance our operations, capital expenditures, and other activities;
- increase our vulnerability to economic downturns, illiquid capital markets, and adverse industry conditions;
- limit our flexibility in responding to changing business and economic conditions, including increased competition;
- place us at a disadvantage when compared to our competitors that have less debt; and
- with respect to our borrowings that bear interest at variable rates, cause us to be vulnerable to increases in interest rates.

Our ability to make scheduled payments on our current and future debt will depend on our future operating performance and cash flows, which are subject to prevailing economic conditions, prevailing interest rate levels, and other financial, competitive, and business factors, many of which are beyond our control. Our inability to make scheduled payments on our debt or any of the foregoing factors could have a material adverse effect on our business, financial condition, results of operations, or cash flows.

To the extent we have not hedged against rising interest rates, an increase in the applicable benchmark interest rates would increase our cost of servicing our indebtedness and could have a material adverse effect on our business, financial condition, results of operations, or cash flows.

A portion of our indebtedness is subject to interest rate risk, which could cause our debt service obligations to increase significantly. Borrowings under the Amended Credit Agreement and our current debt are, and additional borrowings in the future may be, at variable rates of interest that expose us to interest rate risk. If interest rates increase, our debt service obligations on the variable rate indebtedness will increase even though the amount borrowed will remain the same, and our net income and cash flows, including cash available for servicing our indebtedness, will correspondingly decrease. We have, and may in the future enter into additional, interest rate swaps for a portion of our variable rate debt whereby we exchange floating for fixed rate interest payments in order to reduce exposure to interest rate volatility. However, any interest rate swaps into which we enter may not fully mitigate our interest rate risk, risk and may expose us to higher total debt service cost in a declining rate environment.

Our failure to comply with covenants in our debt agreements could result in our indebtedness being immediately due and payable, which could have a material adverse effect on our business, financial condition, results of operations, or cash flows. The agreements governing our debt include covenants that impose certain requirements with respect to our financial condition and results of operations and general business activities. These covenants place restrictions on, among other things, our ability to incur certain additional debt and to create liens or other encumbrances on assets. In addition, our obligations under the Amended Credit Agreement are secured by a senior security interest in substantially all of our and our subsidiaries' assets.

Our ability to comply with the covenants under our debt instruments in the future is uncertain and will be affected by our results of operations and financial condition as well as other events and circumstances beyond our control. If market and other economic conditions deteriorate, our ability to comply with these covenants may be impaired. A failure to comply with the requirements of these covenants, if not waived or cured, could permit acceleration of the related debt. If any of our debt is accelerated, we cannot assure you that we would have sufficient assets to repay such debt or that we would be able to refinance such debt on commercially reasonable terms or at all. The acceleration of a significant portion of our current and future debt could have a material adverse effect on our business, financial condition, results of operations, or cash flows.

Disruptions in the financial markets, including the banking industry, and a general economic slowdown could cause us to be unable to obtain financing or receive customer payments and expose us to risks related to the overall macro-economic environment, which could have a material adverse effect on our business, financial condition, results of operations, or cash flows. The United States equity and credit markets, as well as certain financial institutions, have experienced significant price volatility, dislocations, and liquidity disruptions, which have caused market prices of many equities to fluctuate substantially, the spreads on prospective debt financings to widen considerably, and disruptions in select banking transactions. These circumstances have materially impacted liquidity in the financial markets, making terms for certain financings less attractive, and in some cases have resulted in the unavailability of financing, even for companies who are otherwise qualified to obtain financing. These events may make it less likely that we will be able to obtain additional financing, may make it more difficult or prohibitively costly for us to raise capital through the issuance of debt or equity securities, which may prove necessary to execute our growth strategies, and may impact our customers and their ability to make payments or obtain credit.

Risks Related to Our Internal Control Over Financial Reporting

Our Audit Committee and management We have identified material weaknesses in internal control in prior years. For the year ended December 31, 2022, a material weakness in our internal controls over financial reporting, and we may be unable to develop, implement, and maintain appropriate controls in future periods. The Sarbanes-Oxley Act and SEC rules require that management report annually on the effectiveness of our internal control over financial reporting and our disclosure controls and procedures. Among other things, management must conduct an assessment related to the implementation of our internal control over financial reporting to allow management to report on, and our independent registered public accounting firm to audit, enterprise resource planning ("ERP") system for the effectiveness acquisition of our internal control over financial reporting, as required by Section 404 of the Sarbanes-Oxley Act. Based on our management's assessment, we believe that, as of December 31, 2022, our internal controls over financial reporting were not effective. The specific material weakness is described in Part II — Item 9A, "Controls and Procedures" of this 2022 Form 10-K in "Management's Report on Internal Control over Financial Reporting". ParkUSA was identified. A "material weakness" is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of our annual or interim consolidated financial statements would not be prevented or detected. We have adopted a remediation plan to address the This material weakness identified. The implementation and administration was remediated as of the remediation plan may divert the attention of our Chief Executive Officer ("CEO") and Chief Financial Officer ("CFO"), as well as other senior members of our management team, away from the operations of our business until the material weakness in our internal control is considered remediated. December 31, 2023.

The No material weakness in our internal control over financial reporting weaknesses were identified as of December 31, 2022 was attributed to control deficiencies in the ERP system implementation project at ParkUSA and resultant business process control deficiencies. We December 31, 2023. However, we cannot assure you that additional material weaknesses in our internal control over financial reporting will not be identified in the future. Any failure to maintain or implement required new or improved controls, or any difficulties we encounter in their implementation, could result in additional material weaknesses, and create or could result in material misstatements in our financial statements. These misstatements could result in a reasonable possibility that a material misstatement to the consolidated restatement of financial statements, will not be prevented or detected on a timely basis. This could cause us to fail to meet our reporting obligations or cause investors to lose confidence in our reported financial information, leading to a decline in our stock price. Further and continued determinations that there are material weaknesses in the effectiveness of our internal controls could also reduce our ability to obtain financing or could increase the cost of any financing we obtain and require additional expenditures of both money and management's time to comply with applicable requirements. For more information relating to our internal control over financial reporting and disclosure controls and procedures, see Part II — Item 9A, "Controls and Procedures" of this 2022 Form 10-K.

Risks Related to Our Common Stock

The relatively low trading volume of our common stock may limit your ability to sell your shares. Although our shares of common stock are listed on the Nasdaq Global Select Market, we have historically experienced a relatively low trading volume. If we have a low trading volume in the future, holders of our shares may have difficulty selling a large number of shares of our common stock in the manner or at a price that might otherwise be attainable.

The market price of our common stock could be subject to significant fluctuations. The market price of our common stock has experienced, and may continue to experience, significant volatility. Among the factors that could affect our stock price are:

- our operating and financial performance and prospects;
- quarterly variations in the rate of growth of our financial indicators, such as earnings per share, net income, and net sales;
- changes in revenue or earnings estimates or publication of research reports by analysts;
- loss of any member of our senior management team;
- speculation in the press or investment community;
- strategic actions by us or our competitors, such as acquisitions or restructuring;
- sales of our common stock by shareholders;
- relatively low trading volume;
- our repurchase of our common stock pursuant to our share repurchase program;
- general market conditions and market expectations for our industry and the financial health of our customers; and
- domestic and international economic, legal, and regulatory factors unrelated to our performance.

The stock markets in general have experienced broad fluctuations that have often been unrelated to the operating performance of particular companies. These broad market fluctuations may adversely affect the trading price of our common stock.

We cannot guarantee that our share repurchase program of our common stock will be fully consummated or that it will enhance long-term stockholder value. Share repurchases could also increase the volatility of the trading price of our common stock and could diminish our cash reserves thereby impacting our ability to execute our growth strategy. On November 2, 2023, we announced our authorization of a share repurchase program of up to \$30 million of our outstanding common stock. The program does not commit to any particular timing or quantity of purchases, and the program may be suspended or discontinued at any time. During the year ended December 31, 2023, we repurchased approximately 29,000 shares of our common stock and had \$29.2 million remaining in share repurchase capacity as of December 31, 2023. The actual timing and amount of repurchases remain subject to a variety of factors, including stock price, trading volume, market conditions and other general business considerations. We cannot guarantee that the program will be fully consummated or that it will enhance long-term stockholder value. The program could affect the trading price of our common stock and increase volatility, and any announcement of a termination of this program may result in a decrease in the trading price of our common stock.

Certain provisions of our governing documents and Oregon law could discourage potential acquisition proposals. Our articles of incorporation contain provisions that:

- classify the board of directors into three classes, each of which serves for a three-year term with one class elected each year;
- provide that directors may be removed by shareholders only for cause and only upon the affirmative vote of 75% of the outstanding shares of common stock; **and**
- permit the board of directors to issue preferred stock in one or more series, fix the number of shares constituting any such series, and determine the voting powers and all other rights and preferences of any such series, without any further vote or action by our **shareholders**;
- require the approval of holders of not less than 67% of our outstanding shares of common stock for any agreement of merger or consolidation which requires shareholder approval, or for the sale, lease, or exchange of all or substantially all of our property and assets.

In addition, we are subject to certain provisions of the Oregon Business Corporation Act that could discourage potential acquisition proposals, could deter, delay, or prevent a change in control that our shareholders consider favorable, and could depress the market value of our common stock. Additional information regarding the above described provisions of our governing documents and the Oregon Business Corporation Act is set forth in the "Description of Securities Registered Under Section 12 of the Securities Exchange Act of 1934" filed as Exhibit 4.2 to our 2019 Form 10-K, which was filed with the SEC on March 3, 2020.

Item 1B. Unresolved Staff Comments

None.

Item1C. Cybersecurity

We believe that cybersecurity is a critical part of our overall risk management, which is supported by both our management and our Board of Directors. We believe that we face the same external threats common to other participants in the infrastructure sectors, which include ransomware and malware attacks in addition to the risks brought on by the vendor supply chain. Through the leadership of our Vice President of Information Technology, who reports to our Chief Financial Officer, we routinely assess these threats and evaluate our landscape for new vulnerabilities, considering both for their probability of occurrence as well as their perceived potential impact. We supplement our risk assessment processes with robust identification tools which we review routinely through the use of intrusion prevention and detection systems. We supplement our internal procedures with third parties, who

routinely assess our network infrastructure for vulnerabilities both internal and external to our firewall. We also conduct periodic training and awareness programs for all of our employees with systems access in order to drive adoption and awareness of their critical roles in cybersecurity processes and controls.

The pace of change in approaches undertaken by cyber criminals requires an approach to security that strives for continuous improvement and constant monitoring of the landscape. While we are working to adopt the cybersecurity framework of the National Institute of Standards and Technology (NIST), we believe continued investment through parties external to our information technology team is the best means for extensively testing both the design and operational effectiveness of our cybersecurity controls, and ensuring their level of priority as compared to our other information technology objectives, namely system continuity and functionality.

Furthermore, through our incident response plan, we believe we have a well-designed plan to manage through any unforeseen breach including the eradication of the infiltrator from our networks. We carry cyber insurance to transfer the residual risk of an incident. We also work with our cyber insurance carrier to regularly refine our response procedures, which include the definition of internal and external communications channels to key stakeholders, as well as the identification of material breaches and the associated incident reporting up to senior management and our Board of Directors.

Our Board of Directors has charged the Audit Committee with the governance and oversight of this risk. Our governance philosophy is to discuss cybersecurity at least quarterly with our Audit Committee, as provided for within that committee's charter, including regular reporting by our Vice President of Information Technology with respect to key accomplishments, planned activities, and monitoring results. Board experience in risk assessment has been enhanced with certification achievements specific to cybersecurity risk, providing us with the appropriate oversight to this evolving threat.

As of the date of this report, we are not aware of any material breaches to our networks or computer systems that have materially affected or are reasonably likely to materially affect us, including the execution of our business strategy, results of operations, or financial condition. We describe potential risks from cybersecurity threats under the heading "Our information technology systems can be negatively affected by cybersecurity threats," in Part I — Item 1. "Risk Factors" of this 2023 Form 10-K, which disclosures are incorporated herein by reference.

Item 2. Properties

Our facilities serve regional markets, which vary in the number and sizes of projects year-over-year. Consequently, we have excess manufacturing capacity from time to time at each of our facilities. We believe the quality and productive capacity of our facilities are sufficient to maintain our competitive position for the foreseeable future.

The following tables provide certain information about our operating facilities as of **December 31, 2022** December 31, 2023:

Engineered Steel Pressure Pipe

Location	Manufacturing Space (approx. sq. ft.)	Property Size (approx. acres)	Ownership	Manufacturing	Property
				Space	Size
Portland, Oregon	300,000	25	Owned	300,000	25
San Luis Rio Colorado, Mexico	285,000	105	Owned	285,000	105
Adelanto, California	200,000	100	Owned	200,000	100
Parkersburg, West Virginia	170,000	90	Owned	170,000	90
Saginaw, Texas (2 facilities)	170,000	50	1 Owned, 1 Leased	170,000	50
Tracy, California	165,000	87	Owned	165,000	87
St. Louis, Missouri	100,000	20	Leased	100,000	20

Additionally, land adjacent to our Portland, Oregon, Saginaw, Texas, and St. Louis, Missouri facilities used for parking and/or pipe storage is leased.

Precast Infrastructure and Engineered Systems

Location	Manufacturing Space (approx. sq. ft.)	Property Size (approx. acres)	Ownership	Manufacturing	Property
				Space	Size
Houston, Texas	239,000	25	Leased	239,000	25
Orem, Utah	150,000	20	Leased	150,000	20

Dallas, Texas	62,000	11	Leased	62,000	11	Leased
Salt Lake City, Utah	58,000	20	Leased	58,000	20	Leased
San Antonio, Texas	34,000	7	Leased	34,000	7	Leased
St. George, Utah	6,000	8	Leased	6,000	8	Leased

Item 3. Legal Proceedings

We are party to a variety of legal actions arising out of the ordinary course of business. Plaintiffs occasionally seek punitive or exemplary damages. We do not believe that such normal and routine litigation will have a material impact on our consolidated financial results. We are also involved in other kinds of legal actions, some of which assert or may assert claims or seek to impose fines, penalties, and other costs in substantial amounts. See Note 15 of the Notes to Consolidated Financial Statements in Part II — Item 8. "Financial Statements and Supplementary Data" of this **2022** **2023** Form 10-K.

Item 4. Mine Safety Disclosures

Not applicable.

PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

Our common stock is quoted on the Nasdaq Global Select Market under the symbol "NWPX."

Holders

There were 18 shareholders of record as of **March 6, 2023** **February 23, 2024**. A substantially greater number of holders of our common stock are beneficial holders, whose shares are held of record by banks, brokers, and other financial institutions.

Dividends

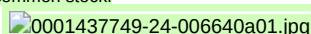
We do not intend to pay cash dividends in the foreseeable future. **We have**

Securities Authorized for Issuance under Equity Compensation Plans

The information with respect to equity compensation plans is included under Part III — Item 12. "Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters" of this **2023** Form 10-K.

Performance Graph

The following graph compares the performance of our common stock to the performance of the Russell 2000 Index and a weighted composite of certain industry-based peer companies ("Peer Group") selected by us. The Russell 2000 Index measures the performance of the small-cap segment of the U.S. equity markets. The Peer Group is comprised of Ampco-Pittsburgh Corporation, Badger Meter, Inc., DMC Global Inc., L.B. Foster Company, Insteel Industries, Inc., Lindsay Corporation, Luxfer Holdings, PLC, Mueller Water Products, Inc., NN, Inc., and Orion Group Holdings, Inc. The comparisons in the chart below are provided in response to SEC disclosure requirements and, therefore, are not issued **any** intended to forecast or be indicative of future performance of our common stock.



	Indexed Return		
	Northwest Pipe Company	Russell 2000 Index	Peer Group
December 31, 2018	\$ 100.00	\$ 100.00	\$ 100.00
December 31, 2019	143.02	125.52	121.70
December 31, 2020	121.51	150.58	141.95
December 31, 2021	136.54	172.90	163.56
December 31, 2022	144.70	137.56	142.04
December 31, 2023	129.93	160.85	177.59

Recent Sales of Unregistered Securities

There were no unregistered sales of our equity securities during the past three years that were not registered under the year ended December 31, 2023.

Use of Proceeds from Registered Securities Act.

On November 3, 2020 December 4, 2023, our shelf registration statement on Form S-3 (Registration No. 333-249637) covering the potential future sale of up to \$150 million of our equity and/or debt securities or combinations thereof, was declared effective by the SEC. This shelf registration statement, which replaced the registration statement on Form S-3 that expired on November 3, 2023, provides another potential source of capital, in addition to other alternatives already in place. We cannot be certain that funding will be available on favorable terms or available at all. To the extent that we raise additional funds by issuing equity securities, our shareholders may experience significant dilution. As of the date of this 2022 2023 Form 10-K, we have not yet sold any securities under this shelf registration statement, nor do we have an obligation to do so. Please refer to the factors discussed in Part I — Item 1A. "Risk Factors" of this 2022 2023 Form 10-K.

On September 2, 2022, we entered into an Open Market Sale Agreement (the "At-the-Market Offering") with Jefferies LLC ("Jefferies"), pursuant to which we may issue provided for the issuance and sell sale of shares of our common stock, par value \$0.01 per share, having aggregate offering sales proceeds of up to \$50 million (the "Shares") from time to time through Jefferies as our sales agent. We may sell On October 30, 2023, we provided written notice terminating the Shares Open Market Sale Agreement in amounts and at times to be determined by us from time to time subject to the terms and conditions of the At-the-Market Offering, but we have no obligation to sell any of the Shares under the At-the-Market Offering. The Shares to be sold under the At-the-Market Offering, if any, will be offered and sold pursuant to our shelf registration statement on Form S-3 discussed above, and the prospectus supplement dated September 2, 2022 filed by us. We will pay Jefferies a cash commission of up to 3.0% of gross proceeds from the sale of the Shares pursuant to the At-the-Market Offering. We have also agreed to provide Jefferies accordance with customary indemnification and contribution rights. its terms. No proceeds were raised under the At-the-Market Offering during the year years ended December 31, 2022, December 31, 2023 or 2022.

Stock Performance Graph Purchases of Equity Securities by the Issuer and Affiliated Purchasers

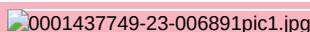
On November 2, 2023, we announced our authorization of a share repurchase program of up to \$30 million of our outstanding common stock. The program does not commit to any particular timing or quantity of purchases, and the program may be suspended or discontinued at any time. Under the program, shares may be purchased in open market, including through Rule 10b5-1 of the Exchange Act, or in privately negotiated transactions administered by our broker, D.A. Davidson Companies. At this time, we have elected to limit our share repurchase transactions to only those under the Rule 10b5-1 trading plan we executed in November 2023, which we believe considers our liquidity, including availability of borrowings and covenant compliance under our Amended Credit Agreement, and other capital allocation priorities of the business. Our Rule 10b5-1 trading plan designates up to \$10 million for repurchases and provides for daily share repurchases that fluctuate with changes in the trading price of our common stock. We expect to consider share repurchase strategies beyond the current Rule 10b5-1 trading plan at a future date.

The following graph compares the performance table provides information relating to our repurchase of our common stock during the three months ended December 31, 2023 pursuant to the performance of the Russell 2000 Index, the S&P 600 Construction Machinery and Heavy Trucks Index, and a weighted composite of certain peer companies ("Peer Group") selected by us. The Peer Group is comprised of Ampco-Pittsburgh Corporation, Badger Meter, Inc., Circor International, Inc., DMC Global Inc., L.B. Foster Company, Insteel Industries, Inc., Lindsay Corporation, Luxfer Holdings, PLC, Mueller Water Products, Inc., NN, Inc., and Orion Group Holdings, Inc. our share repurchase program.

To better align with comparable investment opportunities, we are transitioning from the Russell 2000 Index and the S&P 600 Construction Machinery and Heavy Trucks Index to the self-selected Peer Group for the year ended December 31, 2022. All indices are presented, in accordance with SEC rules, which require that if a company selects a different index from that used in the immediately preceding fiscal year, the company's stock performance must be compared against both the newly selected index and previous index in the year of change.

Period	Total Number of Shares Purchased	Average Price Paid Per Share (1)	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares That May Yet Be Purchased Under the Plans or Programs
October 1, 2023 to October 31, 2023	-	\$ -	-	\$ -
November 1, 2023 to November 30, 2023	-	\$ -	-	\$ 30,000,000
December 1, 2023 to December 31, 2023	28,616	\$ 29.20	28,616	\$ 29,164,382
Total	28,616		28,616	

The comparisons in the chart below are provided in response to SEC disclosure requirements and, therefore, are not intended to forecast or be indicative of future performance of our common stock.



Indexed Return

	Northwest Pipe Company	Russell 2000 Index	S&P 600 Construction Machinery and Heavy Trucks Index	Peer Group
December 31, 2017	100.00	100.00	100.00	100.00
December 31, 2018	121.68	88.99	71.53	79.86
December 31, 2019	174.03	111.70	93.66	102.59
December 31, 2020	147.86	134.00	105.83	116.38
December 31, 2021	166.14	153.85	120.94	129.46
December 31, 2022	176.07	122.41	128.71	113.09

Securities Authorized for Issuance under Equity Compensation Plans

The information with respect to equity compensation plans is included under Part III — Item 12. "Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters" of this 2022 Form 10-K.

(1) Exclusive of commission fees incurred in relation to the repurchase of common stock.

Item 6. [Reserved]

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following is management's discussion and analysis of certain significant factors that have affected our consolidated financial condition and results of operations during the periods included herein. This discussion should be read in conjunction with our historical Consolidated Financial Statements and Notes to Consolidated Financial Statements in Part II — Item 8. "Financial Statements and Supplementary Data" of this 2022 Form 10-K. This discussion contains forward-looking statements based upon current expectations that involve risks and uncertainties. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of various factors, including those set forth under Part I — Item 1A. "Risk Factors" or in other parts of this 2022 Form 10-K. For discussion related to the results of operations and changes in financial condition for the year ended December 31, 2021 December 31, 2022 compared to the year ended December 31, 2020, December 31, 2021 refer to Part II — Item 7. "Management's Discussion and Analysis of Financial Condition and Results of Operations — Year Ended December 31, 2021 December 31, 2022 Compared to Year Ended December 31, 2020 December 31, 2021" and "Liquidity and Capital Resources" in our 2021 Form 10-K, which was filed with the SEC on March 16, 2022 March 16, 2023, and which is incorporated herein by reference.

Overview

Northwest Pipe Company is a leading manufacturer of water-related infrastructure products, and operates in two segments, Engineered Steel Pressure Pipe (SPP) and Precast Infrastructure and Engineered Systems (Precast). For detailed descriptions of these segments, see the "Our Segments" discussion in Part I — Item 1. "Business" of this 2022 Form 10-K.

In addition to being the largest manufacturer of engineered steel water pipeline systems in North America, we manufacture stormwater and wastewater technology products; high-quality precast and reinforced concrete products; pump lift stations; steel casing pipe, bar-wrapped concrete cylinder pipe, and one of the largest offerings of pipeline system joints, fittings, and specialized components. Strategically positioned to meet growing water and wastewater infrastructure needs, we provide solution-based products for a wide range of markets under the ParkUSA, Geneva Pipe and Precast, Permalok®, and Northwest Pipe Company lines. Our diverse team is committed to safety, quality, and innovation while demonstrating our core values of accountability, commitment, and teamwork. We are headquartered in Vancouver, Washington, and have 13 manufacturing facilities across North America.

Our water infrastructure products are sold generally to installation contractors, who include our products in their bids to federal, state, and municipal agencies, privately-owned water companies, or developers for specific projects. We believe our sales are substantially driven by spending on urban growth and new water infrastructure with a recent trend towards spending on water infrastructure replacement, repair, and upgrade. Within the total range of products, our steel pipe tends to fit best addresses the larger-diameter, higher-pressure pipeline applications, while our precast concrete products mainly serve stormwater and sanitary sewer systems.

Our Current Economic Environment

Demand for our Precast products is generally influenced by general economic conditions such as housing starts, population growth, interest rates, and rates of inflation. According to the United States Census Bureau, privately-owned housing starts in December 2022 were at a seasonally adjusted annual rate of 1.4 million, compared to a seasonally adjusted annual rate of 1.8 million in December 2021, and 1.4 million in December 2022, and the population of the United States is expected to increase by approximately 2 million

people in 2023. Additionally, while it is now believed that recent and anticipated future increases in the federal funds rate by the Federal Reserve are will remain elevated for the medium-term which is expected to temper demand for housing. The impacts from the strain on the housing market to this point have been muted by the demand for housing, stymied by impacts of recent labor and commodity shortages currently limiting the supply of new homes.

Our SPP projects are often planned for many years in advance, as we operate that business with a long-term time horizon for which the projects are sometimes part of 50-50 year build-out plans. Long-term Even though we experienced a relatively modest level of project bidding in 2023, our backlog for SPP has remained elevated, and long-term demand for water infrastructure projects in the United States appears strong. Even though recent demand for engineered steel pressure pipe has improved, a shift to a Additionally, while our SPP business faces possible head winds from recessionary economy could strain governmental and water agency budgets and financing which could impact prospects for our business concerns in the medium term. Additionally, broader domestic economy, we have experienced effects of currently believe it more likely a modest increase in funding will be brought on by the current labor shortage at certain manufacturing facilities, for which we are mitigating Bipartisan Infrastructure Deal (Infrastructure Investment and Jobs Act) and the impact through the use of overtime and third-party outsourcing as warranted. It is possible that a prolonged shortage of qualified, available workers could have an adverse effect on our business. Inflation Reduction Act.

Purchased steel typically represents approximately 35% of cost of sales, and higher steel costs generally result in higher selling prices and revenue; however, volatile fluctuations in steel markets can affect our business. SPP contracts are generally quoted on a fixed-price basis, and volatile steel markets can result in selling prices that no longer correlate to the cost available at the time of steel purchase. Steel markets have remained volatile through Even though steel market prices at the end of 2023 were approximately 50% higher than where they began the year, 2023 was tempered compared to the previous two years, and supplier lead times were not as challenging to manage. Our average price of purchased steel was \$994 per ton in 2023, compared to \$1,174 in 2022 with prices dropping significantly and \$1,291 in the fourth quarter. The reduced steel costs have begun and will continue to be realized in our financial results. 2021.

Russia's invasion Economic uncertainty, including the impacts of Ukraine is considered to be largely responsible for increased fuel costs, increasing raw material shortages, inflationary pressures, potential risks of a recession, and disruptions in the financial markets could have an adverse effect on our delivery costs. While these costs are generally passed along to business. The extent of the customer, there can be no assurance that all impact of these increased costs will be recouped, which could be material until world broader economic forces stabilize. Freight costs represent approximately 6% of cost of sales of our SPP business, for which the risk is more significant due to the long lead times between when an SPP contract is entered and the product is shipped.

Implementation of Enterprise Resource Planning (ERP) System at ParkUSA

In the third quarter of 2022, we implemented our ERP system at the ParkUSA manufacturing facilities. Due primarily to an underinvestment in systems preceding our acquisition, and vastly broader product offerings, this implementation has caused, and may continue to cause, disruption and inefficiencies in ParkUSA's operations.

Impact of the COVID-19 Pandemic on Our Business

While the COVID-19 pandemic has caused various direct and indirect financial impacts associated with project bidding, execution, and product deliveries over the past couple of years, we remain unable to predict the ultimate impact that the COVID-19 pandemic may have on our business will depend on future results of operations, financial position, or cash flows. For additional details, refer to the information set forth under the caption "Impact of the COVID-19 Pandemic on Our Business" in Part I — Item 1. "Business" and discussions in Part I — Item 1A. "Risk Factors" of this 2022 Form 10-K developments, which cannot be predicted.

Results of Operations

The following table sets forth, for the periods indicated, certain financial information regarding costs and expenses expressed in dollars (in thousands) and as a percentage of total net sales.

	Year Ended December 31, 2022		Year Ended December 31, 2021		Year Ended December 31, 2020	
	\$	% of Net Sales	\$	% of Net Sales	\$	% of Net Sales
Net sales:						
Engineered Steel Pressure Pipe	\$ 307,572	67.2 %	\$ 259,823	78.0 %	\$ 241,690	84.5 %
Precast Infrastructure and Engineered Systems	150,093	32.8	73,490	22.0	44,217	15.5
Total net sales	457,665	100.0	333,313	100.0	285,907	100.0
Cost of sales:						
Engineered Steel Pressure Pipe	263,099	57.5	228,542	68.6	197,397	69.0
Precast Infrastructure and Engineered Systems	108,711	23.7	60,517	18.1	37,991	13.3
Total cost of sales	371,810	81.2	289,059	86.7	235,388	82.3
Gross profit:						

Engineered Steel Pressure Pipe	44,473	9.7	31,281	9.4	44,293	15.5
Precast Infrastructure and Engineered Systems	41,382	9.1	12,973	3.9	6,226	2.2
Total gross profit	85,855	18.8	44,254	13.3	50,519	17.7
Selling, general, and administrative expense	41,034	9.0	28,222	8.5	24,954	8.8
Operating income	44,821	9.8	16,032	4.8	25,565	8.9
Other income	97	-	328	0.1	1,002	0.3
Interest expense	(3,568)	(0.8)	(1,202)	(0.4)	(933)	(0.2)
Income before income taxes	41,350	9.0	15,158	4.5	25,634	9.0
Income tax expense	10,201	2.2	3,635	1.0	6,584	2.3
Net income	\$ 31,149	6.8 %	\$ 11,523	3.5 %	\$ 19,050	6.7 %

	Year Ended December 31, 2023		Year Ended December 31, 2022		Year Ended December 31, 2021	
	\$	% of Net Sales	\$	% of Net Sales	\$	% of Net Sales
Net sales:						
Engineered Steel Pressure Pipe	\$ 296,381	66.7 %	\$ 307,572	67.2 %	\$ 259,823	78.0 %
Precast Infrastructure and Engineered Systems	147,974	33.3	150,093	32.8	73,490	22.0
Total net sales	444,355	100.0	457,665	100.0	333,313	100.0
Cost of sales:						
Engineered Steel Pressure Pipe	253,954	57.2	263,099	57.5	228,542	68.6
Precast Infrastructure and Engineered Systems	112,759	25.3	108,711	23.7	60,517	18.1
Total cost of sales	366,713	82.5	371,810	81.2	289,059	86.7
Gross profit:						
Engineered Steel Pressure Pipe	42,427	9.5	44,473	9.7	31,281	9.4
Precast Infrastructure and Engineered Systems	35,215	8.0	41,382	9.1	12,973	3.9
Total gross profit	77,642	17.5	85,855	18.8	44,254	13.3
Selling, general, and administrative expense	43,784	9.9	41,034	9.0	28,222	8.5
Operating income	33,858	7.6	44,821	9.8	16,032	4.8
Other income	276	0.1	97	-	328	0.1
Interest expense	(4,855)	(1.1)	(3,568)	(0.8)	(1,202)	(0.4)
Income before income taxes	29,279	6.6	41,350	9.0	15,158	4.5
Income tax expense	8,207	1.8	10,201	2.2	3,635	1.0
Net income	\$ 21,072	4.8 %	\$ 31,149	6.8 %	\$ 11,523	3.5 %

Year Ended December 31, 2022 December 31, 2023 Compared to Year Ended December 31, 2021 December 31, 2022

Net sales. Net sales increased 37.3% decreased 2.9% to \$444.4 million in 2023 compared to \$457.7 million in 2022 compared to \$333.3 million in 2021. 2022.

SPP net sales increased 18.4% decreased 3.6% to \$296.4 million in 2023 compared to \$307.6 million in 2022 compared to \$259.8 million in 2021 driven by a 20% 6% decrease in tons produced resulting primarily from changes in project timing, partially offset by a 2% increase in selling price per ton primarily due to increased raw materials costs, partially offset by a 1% decrease in tons produced resulting from changes in project timing, product mix. Bidding activity, backlog, and production levels may vary significantly from period to period affecting sales volumes.

Precast net sales increased 104.2% decreased 1.4% to \$148.0 million in 2023 compared to \$150.1 million in 2022 compared to \$73.5 million in 2021 primarily due to the ParkUSA operations acquired in October 2021, which contributed \$84.7 million and \$18.0 million in net sales for 2022 and 2021, respectively. In addition, the segment realized driven by a 17.9% increase in net sales at the pre-existing Precast operations due to a 45% increase 3% decrease in selling prices due to the high decreased demand, for our concrete products

coupled with increased material costs, partially offset by an 18% decrease a 2% increase in volume shipped primarily due to unscheduled equipment downtime and changes in product mix.

Gross profit. Gross profit increased 94.0% decreased 9.6% to \$77.6 million (17.5% of net sales) in 2023 compared to \$85.9 million (18.8% of net sales) in 2022 compared to \$44.3 million (13.3% of net sales) in 2021. 2022.

SPP gross profit increased 42.2% decreased 4.6% to \$42.4 million (14.3% of SPP net sales) in 2023 compared to \$44.5 million (14.5% of SPP net sales) in 2022 compared to \$31.3 million (12.0% of SPP net sales) in 2021 primarily due to improved product pricing. SPP gross profit changes in 2022 was reduced, in part, as a result of a \$2.0 million product liability settlement reserve recorded in the first quarter. production volume.

Precast gross profit increased 219.0% decreased 14.9% to \$35.2 million (23.8% of Precast net sales) in 2023 compared to \$41.4 million (27.6% of Precast net sales) in 2022 compared to \$13.0 million (17.7% of Precast net sales) in 2021 primarily due to contributions from the ParkUSA operations, as well as improved pricing at the pre-existing Precast operations. Precast gross profit in 2021 was reduced by \$2.3 million of acquisition-related fair value inventory charges. decreased demand.

Selling, general, and administrative expense. Selling, general, and administrative expense increased 45.4% 6.7% to \$43.8 million (9.9% of net sales) in 2023 compared to \$41.0 million (9.0% of net sales) in 2022 compared to \$28.2 million (8.5% of net sales) in 2021. The increase in selling, general, and administrative expense was primarily due to the acquired ParkUSA operations, including \$5.0 million in higher compensation-related expense and \$2.3 million in higher amortization expense, partially offset by \$3.3 million in lower acquisition-related transaction costs. We also incurred an additional \$6.7 million in higher other compensation-related expense, \$1.0 \$1.7 million in higher professional fees and \$0.7 million in higher travel expense. including ERP implementation costs.

Income taxes. Income tax expense was \$8.2 million in 2023 (an effective income tax rate of 28.0%) compared to \$10.2 million in 2022 (an effective income tax rate of 24.7%) compared to \$3.6 million in 2021 (an. The effective income tax rate of 24.0%), for 2023 was primarily impacted by non-deductible permanent differences, accrued interest on uncertain income tax positions, and state franchise tax. The effective income tax rate for 2022 was primarily impacted by non-deductible permanent differences. The effective income tax rate for 2021 was primarily impacted by estimated changes in our valuation allowance. The effective income tax rate can change significantly depending on the relationship of permanent income tax deductions and tax credits to estimated pre-tax income or loss and the changes in valuation allowances. Accordingly, the comparison of effective income tax rates between periods is not meaningful in all situations.

Liquidity and Capital Resources

Sources and Uses of Cash

Our principal sources of liquidity generally include operating cash flows and the Amended Credit Agreement. From time to time our long-term capital needs may be met through the issuance of additional debt or equity. Our principal uses of liquidity generally include capital expenditures, working capital, organic growth initiatives, acquisitions, share repurchases, and debt service. Information regarding our cash flows for the years ended December 31, 2022 December 31, 2023, 2021, 2022, and 2020 2021 are presented in our Consolidated Statements of Cash Flows contained in Part II — Item 8. "Financial Statements and Supplementary Data" of this 2022 2023 Form 10-K, and are further discussed below.

As of December 31, 2022 December 31, 2023, our working capital (current assets minus current liabilities) was \$187.9 \$176.3 million compared to \$164.1 \$187.9 million as of December 31, 2021 December 31, 2022. Cash and cash equivalents totaled \$3.7 \$4.1 million and \$3.0 \$3.7 million as of December 31, 2022 December 31, 2023 and 2021, 2022, respectively.

Fluctuations in SPP working capital accounts result from timing differences between production, shipment, invoicing, and collection, as well as changes in levels of production and costs of materials. We typically have a relatively large investment in working capital, as we generally pay for materials, labor, and other production costs in the initial stages of a project, while payments from our customers are generally received after finished product is delivered. A portion of our revenues are recognized over time as the manufacturing process progresses; therefore, cash receipts typically occur subsequent to when revenue is recognized and the elapsed time between when revenue is recorded and when cash is received can be significant. As such, our payment cycle is a significantly shorter interval than our collection cycle, although the effect of this difference in the cycles may vary by project, and from period to period.

As of December 31, 2023, we had \$54.5 million of outstanding revolving loan borrowings, \$10.8 million of outstanding current debt, \$90.2 million of operating lease liabilities, and \$7.5 million of finance lease liabilities. As of December 31, 2022, we had \$83.7 million of outstanding revolving loan borrowings, \$10.8 million of outstanding current debt, \$94.2 million of operating lease liabilities, and \$3.0 million of finance lease liabilities. As of December 31, 2021, we had \$86.8 million of outstanding revolving loan borrowings, \$98.4 million of operating lease liabilities, and \$2.2 million of finance lease liabilities. For future maturities of these obligations, see Notes 7, 8, and 9 of the Notes to Consolidated Financial Statements in Part II — Item 8. "Financial Statements and Supplementary Data" of this 2022 2023 Form 10-K.

Due to the uncertainty with respect to the timing of future cash flows associated with our approximately ~~\$4.5~~ \$4.7 million in unrecognized tax benefits as of **December 31, 2022** **December 31, 2023**, we are unable to make reasonably reliable estimates of the period of cash settlement with the respective taxing authorities. For further information, see Note 17 of the Notes to Consolidated Financial Statements in Part II — Item 8. "Financial Statements and Supplementary Data" of this **2022** **2023** Form 10-K.

Net Cash Provided by (Used in) Operating Activities

Net cash provided by (used in) operating activities was \$53.5 million in 2023 compared to ~~\$17.5~~ million in 2022 compared to ~~\$(5.8)~~ million in 2021. **2022**. Net income, adjusted for non-cash items, provided \$41.5 million of operating cash flow in 2023 compared to ~~\$52.2~~ million of operating cash flow in 2022 compared to ~~\$28.7~~ 2022. The net change in working capital provided (used) \$12.0 million of operating cash flow in 2021. The net change in working capital used was \$34.6 2023 compared to ~~(\$34.6)~~ million of operating cash flow in 2022 compared to ~~\$34.5~~ million of operating cash flow in 2021. **2022**.

Net Cash Used in Investing Activities

Net cash used in investing activities was \$20.4 million in 2023 compared to ~~\$23.1~~ million in 2022 compared to ~~\$100.2~~ million in 2021. Acquisitions of businesses, net of cash acquired, were ~~\$0~~ in 2022 compared to \$87.2 million in 2021. **2022**. Capital expenditures were \$18.3 million in 2023 compared to ~~\$22.8~~ million in 2022, compared to ~~\$13.3~~ which includes \$2.8 million in 2021, which includes ~~2023~~ and \$10.1 million in 2022 of investment in our new reinforced concrete pipe mill, and the remainder primarily for standard capital replacement. We currently expect capital expenditures in **2023** **2024** to be approximately ~~\$24~~ \$19 million to ~~\$26~~ \$22 million, which includes approximately ~~\$5~~ \$2 million of investment in our new reinforced concrete pipe mill, and associated ancillary equipment, approximately \$5 million for the construction of a building at our Salt Lake City, Utah facility for the new mill, and the remainder primarily for standard capital replacement.

Net Cash Provided by (Used in) Financing Activities

Net cash provided by (used in) financing activities was ~~\$(32.7)~~ million in 2023 compared to \$6.2 million in 2022 compared to \$71.0 million in 2021. **2022**. Net borrowings (repayments) on the line of credit were ~~\$(3.1)~~ \$29.2 million in 2022 **2023** compared ~~\$86.8~~ to \$3.1 million in 2021. **2022**. Net borrowings (repayments) on other debt were ~~\$0~~ in 2023 compared to \$10.8 million in 2022 compared to ~~\$(13.8)~~ million in 2021. **2022**.

We anticipate that our existing cash and cash equivalents, cash flows expected to be generated by operations, and additional borrowing capacity under the Amended Credit Agreement and other loans will be adequate to fund our working capital, debt service, and capital expenditure requirements, and share repurchases for at least the next twelve months. foreseeable future. To the extent necessary, we may also satisfy capital requirements through additional bank borrowings, senior notes, term notes, subordinated debt, and finance and operating leases, if such resources are available on satisfactory terms. We have from time to time evaluated and continue to evaluate opportunities for acquisitions and expansion. Any such transactions, if consummated, may necessitate additional bank borrowings or other sources of funding. As previously discussed, we acquired ParkUSA in October 2021 which was funded primarily by borrowings on the line of credit.

On November 3, 2020 December 4, 2023, our shelf registration statement on Form S-3 (Registration No. 333-~~249637~~ 275691) covering the potential future sale of up to \$150 million of our equity and/or debt securities or combinations thereof, was declared effective by the SEC. This shelf registration statement, which replaced the registration statement on Form S-3 that expired on November 3, 2023, provides another potential source of capital, in addition to other alternatives already in place. We cannot be certain that funding will be available on favorable terms or available at all. To the extent that we raise additional funds by issuing equity securities, our shareholders may experience significant dilution. As of the date of this **2022** **2023** Form 10-K, we have not yet sold any securities under this registration statement, nor do we have an obligation to do so. Please refer to the factors discussed in Part I — Item 1A. "Risk Factors" of this **2022** **2023** Form 10-K.

On September 2, 2022, we entered into the At-the-Market Offering with Jefferies pursuant to which we may issue provided for the issuance and sell sale of shares of our common stock, par value \$0.01 per share, having aggregate offering sales proceeds of up to \$50 million from time to time through Jefferies as our sales agent. We may sell On October 30, 2023, we provided written notice terminating the Shares Open Market Sale Agreement in amounts and at times to be determined by us from time to time subject to the terms and conditions of the At-the-Market Offering, but we have no obligation to sell any of the Shares under the At-the-Market Offering. The Shares to be sold under the At-the-Market Offering, if any, will be offered and sold pursuant to our shelf registration statement on Form S-3 discussed above, and the prospectus supplement dated September 2, 2022 filed by us. We will pay Jefferies a cash commission of up to 3.0% of gross proceeds from the sale of the Shares pursuant to the At-the-Market Offering. We have also agreed to provide Jefferies accordance with customary indemnification and contribution rights. its terms. No proceeds were raised under the At-the-Market Offering during the year ended December 31, 2022 December 31, 2023.

On November 2, 2023, we announced our authorization of a share repurchase program of up to \$30 million of our outstanding common stock. The program does not commit to any particular timing or quantity of purchases, and the program may be suspended or discontinued at any time. Under the program, shares may be purchased in open market, including through Rule 10b5-1 of the Exchange Act, or in privately negotiated transactions administered by our broker, D.A. Davidson Companies. At this time, we have elected to limit our share repurchase transactions to only those under the Rule 10b5-1 trading plan we executed in November 2023, which we believe considers our liquidity, including availability of borrowings and covenant compliance under our Amended Credit Agreement, and other capital allocation priorities of the business. Our Rule 10b5-1 trading plan designates up to

\$10 million for repurchases and provides for daily share repurchases that fluctuate with changes in the trading price of our common stock. We expect to consider share repurchase strategies beyond the current Rule 10b5-1 trading plan at a future date. For a summary of shares repurchased during the fourth quarter of 2023, see "Purchases of Equity Securities by the Issuer and Affiliated Purchasers" in Part II — Item 5. "Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities" of this 2023 Form 10-K. Please refer to the factors discussed in Part I — Item 1A. "Risk Factors" of this 2023 Form 10-K.

Credit Agreement

The Amended Credit Agreement provides for a revolving loan, swingline loan, and letters of credit in the aggregate amount of up to \$125 million, with an option for us to increase that amount by \$50 million, subject to provisions of the Amended Credit Agreement. The Amended Credit Agreement will expire, and all obligations outstanding will mature, on June 29, 2028. We may prepay outstanding amounts at our discretion without penalty at any time, subject to applicable notice requirements. As of December 31, 2023 under the Amended Credit Agreement, we had \$54.5 million of outstanding revolving loan borrowings, \$1.1 million of outstanding letters of credit, and additional borrowing capacity of approximately \$69 million.

Revolving loans under the Amended Credit Agreement bear interest at rates related to, at our option and subject to the provisions of the Amended Credit Agreement, either: (i) Base Rate (as defined in the Amended Credit Agreement) plus the Applicable Margin; (ii) Adjusted Term Secured Overnight Finance Rate ("SOFR") (as defined in the Amended Credit Agreement) plus the Applicable Margin; or (iii) Adjusted Daily Simple SOFR (as defined in the Amended Credit Agreement) plus the Applicable Margin. The "Applicable Margin" is 1.75% to 2.35%, depending on our Consolidated Senior Leverage Ratio (as defined in the Amended Credit Agreement) and the interest rate option chosen. Interest on outstanding revolving loans is payable monthly. Swingline loans under the Amended Credit Agreement bear interest at the Base Rate plus the Applicable Margin. The Amended Credit Agreement requires the payment of a commitment fee of between 0.30% and 0.40%, based on the amount by which the Revolver Commitment exceeds the average daily balance of outstanding borrowings (as defined in the Amended Credit Agreement). Such fee is payable monthly in arrears. We are also obligated to pay additional fees customary for credit facilities of this size and type.

The letters of credit outstanding as of December 31, 2023 relate to workers' compensation insurance. Based on the nature of these arrangements and our historical experience, we do not expect to make any material payments under these arrangements.

The Amended Credit Agreement contains customary representations and warranties, as well as customary affirmative and negative covenants, events of default, and indemnification provisions in favor of the Lenders. The negative covenants include restrictions regarding the incurrence of liens and indebtedness, annual capital expenditures, certain investments, acquisitions, and dispositions, and other matters, all subject to certain exceptions. The Amended Credit Agreement requires us to regularly provide financial information to Wells Fargo and to maintain a consolidated senior leverage ratio no greater than 3.00 to 1.00 (subject to certain exceptions) and a minimum consolidated earnings before interest, taxes, depreciation, and amortization ("EBITDA") (as defined in the Amended Credit Agreement) of at least \$35 million for the four consecutive fiscal quarters most recently ended. Pursuant to the Amended Credit Agreement, we have also agreed that we will not sell, assign, or otherwise dispose or encumber, any of our owned real property. The occurrence of an event of default could result in the acceleration of the obligations under the Amended Credit Agreement. We were in compliance with our financial covenants as of December 31, 2023, and expect to continue to be in compliance in the near term.

Our obligations under the Amended Credit Agreement are secured by a senior security interest in substantially all of our and our subsidiaries' assets.

Current Debt

In August 2022, we entered into an The Interim Funding Agreement ("IFA") dated August 2, 2022 with Wells Fargo Equipment Finance, Inc. ("WFEF") allowing, as amended January 23, 2023, March 15, 2023, July 21, 2023, and November 2, 2023 (together, the "IFA"), provides for aggregate interim funding advances up to \$13.5 million of equipment purchased for a new reinforced concrete pipe mill, to be converted into a term loan upon final delivery and acceptance of the financed equipment. As of December 31, 2023, the outstanding balance of the IFA was \$10.8 million, which was classified as a current liability since there was not a firm commitment for long-term debt financing. The IFA bore interest at the Term SOFR plus 1.75% as of December 31, 2022. Effective November 2, 2023, the IFA bears interest at the Term Secured Overnight Finance Rate ("SOFR") SOFR Average plus 1.75% 2.00%. As of December 31, 2023 and 2022, the weighted-average interest rate for outstanding borrowings was 7.08% and 5.87%, respectively. The IFA requires monthly payments of accrued interest and grants a security interest in the equipment to WFEF. As of December 31, 2022 Effective November 2, 2023, the outstanding balance of the IFA was \$10.8 million, which is classified as a current liability since there is not a firm commitment for long-term debt financing.

Credit Agreement

The Amended Credit Agreement provides for a revolving loan, swingline loan, and letters of credit in the aggregate amount of up to \$125 million ("Revolver Commitment"). The Amended Credit Agreement will expire, and all obligations outstanding will mature, on June 30, 2024. We may prepay outstanding amounts in our discretion without penalty at any time, subject to applicable notice requirements. As of December 31, 2022 under the Amended Credit Agreement, we had \$83.7 million of outstanding revolving loan borrowings, \$1.1 million of outstanding letters of credit, and additional borrowing capacity of approximately \$40 million. Based on our business plan and forecasts of operations, we expect to have sufficient credit available to support our operations for at least the next twelve months.

Revolving loans under the Amended Credit Agreement bear interest at rates related to, at our option and subject to the provisions of the Amended Credit Agreement, either: (i) Base Rate (as defined in the Amended Credit Agreement) plus the Applicable Margin; (ii) Adjusted Term SOFR (as defined in the Amended Credit Agreement) plus the Applicable Margin; or (iii) Adjusted Daily Simple SOFR (as defined in the Amended Credit Agreement) plus the Applicable Margin. The "Applicable Margin" is 1.75% to 2.35%, depending on our Consolidated Senior Leverage Ratio (as defined in the Amended Credit Agreement) and the interest rate option chosen. Interest on outstanding revolving loans is payable monthly. Swingline loans under the Amended Credit Agreement bear interest at the Base Rate plus the Applicable Margin. The Amended Credit Agreement requires the payment of a commitment fee of between 0.30% and 0.40%, based on the amount by which the Revolver Commitment exceeds the average daily balance of outstanding borrowings (as defined in the Amended Credit Agreement). Such fee is payable monthly in arrears. We are also obligated to pay additional fees customary for credit facilities of this size and type.

The letters of credit outstanding as of December 31, 2022 relate to workers' compensation insurance. Based on the nature of these arrangements and our historical experience, we do not expect to make any material payments under these arrangements.

The Amended Credit Agreement contains customary representations and warranties, as well as customary affirmative and negative covenants, events of default, and indemnification provisions in favor of the Lenders. The negative covenants include restrictions regarding the incurrence of liens and indebtedness, annual capital expenditures, certain investments, acquisitions, and dispositions, and other matters, all subject to certain exceptions. The Amended Credit Agreement requires us to regularly provide financial information to Wells Fargo and to maintain a consolidated senior leverage ratio no greater than 2.50 to 1.00 (subject to certain exceptions) and to maintain a minimum consolidated earnings before interest, taxes, depreciation, and amortization EBITDA (as defined in the Amended Credit Agreement) IFA of at least \$31.5 million for the four consecutive fiscal quarters most recently ended. Pursuant to the Amended Credit Agreement, we have also agreed that we will not sell, assign, or otherwise dispose or encumber, any of our owned real property. The occurrence of an event of default could result in the acceleration of the obligations under the Amended Credit Agreement. We were in compliance with our financial covenants as of December 31, 2022. Based on our business plan December 31, 2023, and forecasts of operations, we believe we will remain expect to continue to be in compliance with our financial covenants for in the next twelve months. near term.

Our obligations under the Amended Credit Agreement are secured by a senior security interest in substantially all of our and our subsidiaries' assets.

Recent Accounting Pronouncements

For a description of recent accounting pronouncements affecting our company, including the dates of adoption and estimated effects on financial position, results of operations, and cash flows, see Note 2 of the Notes to Consolidated Financial Statements in Part II — Item 8. "Financial Statements and Supplementary Data" of this 2022 2023 Form 10-K.

Critical Accounting Estimates

Management Estimates

The preparation of our Consolidated Financial Statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues, and expenses, and disclosure of contingent assets and liabilities. We base our estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances. On an ongoing basis, we evaluate all of our estimates including those related to revenue recognition, business combinations, goodwill, inventories, property and equipment, including depreciation and valuation, intangible assets, including amortization, share-based compensation, income taxes, allowance for doubtful accounts, and litigation and other contingencies. Actual results may differ from these estimates under different assumptions or conditions. We believe the following critical accounting policies and related judgments and estimates affect the preparation of our Consolidated Financial Statements.

Revenue Recognition

SPP revenue for water infrastructure steel pipe products is recognized over time as the manufacturing process progresses because of our right to payment for work performed to date plus a reasonable profit on cancellations for unique products that have no alternative use to us. Revenue is measured by the costs incurred to date relative to the estimated total direct costs to fulfill each contract (cost-to-cost method). Contract costs include all material, labor, and other direct costs incurred in satisfying performance obligations. The cost of steel material is recognized as a contract cost when the steel is introduced into the manufacturing process. Estimated total costs of each contract require judgment and are reviewed on a monthly basis by project management and operations personnel for all active projects. All cost revisions that result in a material change in gross profit are reviewed by senior management personnel. Significant judgment is required in estimating total costs which primarily include labor costs and measuring the progress productivity, and cost and availability of project completion, as well as whether a loss is expected to materials, and which could be incurred on the contract. influenced by inflationary trends, supplier performance, or asset utilization, amongst other factors. We use certain assumptions and develop estimates based on a number of factors, considerations, including the degree of required product customization, our historical experience, the project plans, and an assessment of the risks and uncertainties inherent in the contract related to implementation delays or performance issues that may or may not be within our control. Changes in job performance, job conditions, and estimated profitability, including those arising from contract change orders, contract penalty provisions, foreign currency exchange rate movements, changes in raw materials costs, and final contract settlements may result in revisions to estimates of revenue, costs, and income, and are recognized in the period in which the revisions are determined. Provisions for losses on uncompleted contracts are estimated by comparing total estimated contract revenue to the total estimated contract costs and a loss is recognized during the period in which it becomes probable and can be reasonably estimated.

Precast revenue for water infrastructure concrete pipe and precast concrete products is recognized at the time control is transferred to customers, in an amount that reflects the consideration we expect to be entitled to in exchange for the products. All variable consideration that may affect the total transaction price, including contractual discounts, returns, and credits, is included in net sales. Estimates for variable consideration are based on historical experience, anticipated performance, and management's judgment. Our contracts do not contain significant financing.

We generally do not recognize revenue on a contract until the contract has approval and commitment from both parties, the contract rights and payment terms can be identified, the contract has commercial substance, and its collectability is probable.

Business Combinations

Business combinations are accounted for under the acquisition method which requires identifiable assets acquired and liabilities assumed in the business acquired be recognized and measured at fair value on the acquisition date, which is the date that the acquirer obtains control of the acquired business. The amount by which the fair value of consideration transferred as the purchase price exceeds the net fair value of assets acquired and liabilities assumed is recorded as goodwill. The amount by which the net fair value of assets acquired and liabilities assumed exceeds the fair value of consideration transferred as the purchase price is recorded as a bargain purchase gain. Acquisition-related costs are expensed as incurred.

Accounting for business combinations requires management to make significant estimates and assumptions in the determination of the fair value of assets acquired and liabilities assumed in order to allocate purchase price consideration properly. These assumptions and estimates include a market participant's use of the asset and the appropriate discount rates for a market participant. Our estimates are based on historical experience, information obtained from the management of the acquired companies and, when appropriate, include assistance from independent third-party appraisal firms. Our significant assumptions and estimates can include, but are not limited to, the cash flows that an asset is expected to generate in the future, the appropriate weighted-average cost of capital, and the cost savings expected to be derived from acquiring an asset. These estimates are inherently uncertain and unpredictable. In addition, unanticipated events and circumstances may occur which may affect the accuracy or validity of such estimates. As a result, during the measurement period, which may be up to one year from the acquisition date, we may record adjustments to the assets acquired and liabilities assumed with the corresponding offset to goodwill or bargain purchase gain.

Goodwill

Goodwill is reviewed for impairment annually, or whenever events occur or circumstances change that indicate goodwill may be impaired. Goodwill is tested for impairment at the reporting unit level. A reporting unit is an operating segment or one level below an operating segment (also known as a component). During the fourth quarter of 2022, we changed the date of our annual impairment test of goodwill from December 31 to November 30. The change in the impairment test date will lessen resource constraints that exist in connection with our year-end close and financial reporting process and provides for additional time to complete the required impairment testing. This change does not represent a material change to our method of applying an accounting principle, and therefore does not delay, accelerate, or avoid an impairment charge.

In testing goodwill for impairment, we have the option to perform a qualitative assessment to determine whether the existence of events or circumstances indicate that it is more-likely-than-not (more than 50%) that the fair value of a reporting unit is less than its carrying amount. When performing a qualitative assessment, we evaluate factors such as industry and market conditions, cost factors, overall financial performance, and other relevant entity specific events and changes. In the evaluation, we also look at the long-term prospects for the reporting unit, and recognize that current performance may not be the best indicator of future prospects or value, which requires considerable management judgment.

If the qualitative assessment indicates that it is more-likely-than-not that the fair value of the reporting unit is less than its carrying amount, or if we choose not to perform the qualitative assessment, then a quantitative assessment is performed to determine the reporting unit's fair value. The fair value calculation uses a combination of income and market approaches. The income approach is based upon projected future after-tax cash flows discounted to present value using factors that consider the timing and risk associated with the future after-tax cash flows. The market approach is based upon historical and/or forward-looking measures using multiples of revenue or earnings before interest, tax, depreciation, and amortization. We utilize a weighted average of the income and market approaches. If the reporting unit's carrying value exceeds its fair value, then an impairment loss is recognized for the amount of the excess of the carrying amount over the reporting unit's fair value, not to exceed the total amount of goodwill allocated to the reporting unit.

Inventories

Inventories are stated at the lower of cost and net realizable value. Determining net realizable Fair value of inventories involves judgments and assumptions, including projecting selling prices and cost of sales. To estimate net realizable value, we review recent sales and gross profit history, existing customer orders, current contract prices, industry supply and demand, forecasted steel prices, replacement costs, seasonal factors, general economic trends, and other information, as applicable. If future market conditions are less favorable than those projected by us, inventory write-downs may be required. The cost of raw material inventories of steel is either on a specific identification basis or on an average cost basis. The cost of substantially all other raw material inventories, as well as work-in-process and supplies, is on an average cost basis. The cost of finished goods uses the first-in, first-out method of accounting.

Property and Equipment and Intangible Assets

Property and equipment are recorded at cost, determinations require considerable judgment and are depreciated using either the units of production method or the straight-line method depending on the classification of the asset. Depreciation expense calculated under the units of production method may be less than, equal to or greater than depreciation expense calculated under the straight-line method. We evaluate historical and projected units of production at each facility to reassess the units of production expected on an annual basis.

Intangible assets consist primarily of customer relationships, trade names and trademarks, patents, and backlog recorded as the result of acquisition activity. Intangible assets are amortized using the straight-line method over estimated useful lives.

We assess impairment of property and equipment and intangible assets whenever changes in circumstances indicate that the carrying values underlying estimates, assumptions, and market factors, and future changes in any of the asset or asset group(s) may not be recoverable. The recoverable value of a long-lived asset group is determined by estimating future undiscounted cash flows using assumptions about our expected future operating performance. Estimates of future cash flows used in the recoverability test incorporate our own assumptions about the use of the asset group and shall consider all available evidence. Our estimates of undiscounted cash flows may differ from actual cash flow due to, among other things, technological changes, economic conditions, or changes to our business operations. If we determine the carrying value of the property and equipment and intangible assets will not be recoverable, we calculate and record an impairment loss.

Share-based Compensation

We recognize the compensation cost of employee and director services received in exchange for awards of equity instruments based on the grant date estimated fair value of the awards. We estimate the fair value of restricted stock units and performance share awards using the value of our stock on the date of grant. Share-based compensation cost is recognized over the period during which the employee or director is required to provide service in exchange for the award and, as forfeitures occur, the associated compensation cost recognized to date is reversed. For awards with performance-based payout conditions, we recognize compensation cost based on the probability of achieving the performance conditions, with changes in expectations recognized as an adjustment to earnings in the period of change. Any recognized compensation cost is reversed if the conditions are ultimately not met. future.

Income Taxes

Income taxes are recorded using an asset and liability approach that requires the recognition of deferred income tax assets and liabilities for the expected future tax consequences of events that have been recognized in our Consolidated Financial Statements or income tax returns. Valuation allowances are established when necessary to reduce deferred income tax assets to the amount expected to be realized. The determination of our provision for income taxes requires significant judgment, the use of estimates, and the interpretation and application of complex tax laws. Our provision for income taxes primarily reflects a combination of income earned and taxed in the various United States federal, state, local, and to a lesser extent, foreign jurisdictions. Jurisdictional tax law changes, increases or decreases in permanent differences between book and tax items, accruals or adjustments of accruals for unrecognized income tax benefits or valuation allowances, and our change in the mix of earnings from these taxing jurisdictions all affect the overall effective income tax rate.

We record income tax reserves for federal, state, local, and international exposures relating to periods subject to audit. The development of reserves for these exposures requires judgments about tax issues, potential outcomes and timing, and is a subjective estimate. We assess our income tax positions and record income tax benefits for all years subject to examination based upon management's evaluation of the facts, circumstances, and information available at the reporting dates. For those income tax positions where it is more-likely-than-not that an income tax benefit will be sustained, we have recorded the largest amount of income tax benefit with a greater than 50% likelihood of being realized upon settlement with a tax authority that has full knowledge of all relevant information. For those income tax positions where it is not more-likely-than-not that an income tax benefit will be sustained, no income tax benefit has been recognized in the Consolidated Financial Statements.

Allowance for Doubtful Accounts

We maintain allowances for estimated losses resulting from the inability of our customers to make required payments or from contract disputes. The amounts of such allowances are based on historical experience and management's judgment. The extension and revision of credit is determined by obtaining credit rating reports or financial information on the customer. An allowance is recorded based on a variety of factors, including our historical collection experience and our historical product quality claims. At least monthly, we review past due balances to identify the reasons for non-payment. We will write down or write off a receivable account once the account is deemed uncollectible for reasons such as customer quality claims, a contract dispute, deterioration in the customer's financial position, a bankruptcy filing, or other events. If the customer's financial conditions were to deteriorate resulting in their inability to make payments, or if contract disputes were to escalate, additional allowances may need to be recorded which would result in additional expenses being recorded for the period in which such determination was made.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk

The primary market risks affecting our business relate to our exposure to commodity risk, interest rate risk, and foreign currency exchange rate risk.

Commodity Risk

Certain materials we use in our business are classified as commodities traded in the worldwide markets, of which the most significant commodity is steel, used in the manufacturing of pipe. We do not hedge our commodity risk and do not enter into any transactions in commodities for trading purposes. The impact of volatility in steel prices varies significantly. This volatility can significantly affect our gross profit. Although we seek to recover increases in steel prices through price increases in our products, we have not always been successful.

Steel typically makes up approximately 35% of SPP's project costs. As this raw material represents a substantial portion of our cost of sales, we attempt to minimize our risk exposure to steel price volatility by submitting bids based on general assumptions of the expected price of steel when we will receive a purchase order or contract, which is typically awarded within 30 to 90 days of the bid date, as well as ordering steel as soon as possible after a project is contracted.

Interest Rate Risk

Our debt bears interest at both fixed and variable rates. As of December 31, 2022 December 31, 2023 and 2021, 2022, we had \$94.5 \$65.2 million and \$86.8 \$94.5 million, respectively, of variable-rate debt outstanding. We have managed a portion of our variable-rate debt with an interest rate swap agreement agreements to effectively convert a portion of our variable-rate debt to fixed-rate debt. The principal objective of this contract these contracts is to reduce the variability of the cash flows in interest payments associated with a

portion of our variable-rate debt, thus reducing the impact of interest rate changes on future interest payment cash flows. We have elected to apply the hedge accounting rules in accordance with authoritative guidance for this contract. these contracts.

As of December 31, 2022, December 31, 2023 and 2022, the total notional amount of the interest rate swap swaps was \$19.7 million and \$26.7 million, respectively, which will amortize ratably on a monthly basis to zero by the April 2024 maturity date. dates. We receive floating interest payments monthly based on the SOFR variable rates and pay a fixed rate of 1.941% rates to the counterparty. counterparties.

Assuming average interest rates and borrowings on variable-rate debt, a hypothetical 1.0%, or 100 basis points, change in interest rates would not have a material impact on our interest expense in 2022 2023 or 2021 2022.

Foreign Currency Exchange Rate Risk

We conduct business in various foreign countries and, from time to time, settle our transactions in foreign currencies. We have experienced and will continue to experience fluctuations in our net income as a result of gains (losses) on the settlement and the remeasurement of monetary assets and liabilities denominated in currencies that are not our functional currency. As of December 31, 2022 December 31, 2023, our foreign currency exposures were between the U.S. Dollar and the Canadian Dollar, Mexican Peso, and European Euro.

We have established a program that utilizes foreign currency forward contracts to offset the risk associated with the effects of certain foreign currency exposures. Foreign currency forward contracts are consistent with our strategy for financial risk management and are not used for trading or for speculative purposes. As of December 31, 2023, the total notional amount of the foreign currency forward contracts was \$5.1 million (CAD\$6.7 million) and \$1.2 million (EUR€1.1 million), which included \$4.9 million (CAD\$6.4 million) and \$1.2 million (EUR€1.1 million) of foreign currency forward contracts not designated as cash flow hedges. As of December 31, 2023, our foreign currency forward contracts mature at various dates through April 2025. As of December 31, 2022, the total notional amount of the foreign currency forward contracts was \$17.1 million (CAD\$23.2 million) and \$1.1 million (EUR\$ (EUR€1.1 million)), which included \$0.3 million (CAD\$0.4 million) of foreign currency forward contracts not designated as cash flow hedges. As of December 31, 2022, our foreign currency forward contracts mature at various dates through October 2023. As of December 31, 2021, the total notional amount of these foreign currency forward contracts was \$19.0 million (CAD\$24.1 million), of which we applied hedge accounting to all.

A hypothetical 10% change in the Canadian Dollar, Mexican Peso, or European Euro foreign currency exchange rates would not have a material impact on our reported net income in 2022 2023 or 2021 2022.

Item 8. Financial Statements and Supplementary Data

The Consolidated Financial Statements required by this item are included on pages F-1 F-1 to F-33 F-33 at the end of this 2022 2023 Form 10-K. The financial statement schedule required by this item is included on page S-1 1.

Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

Disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended ("Exchange Act")) are designed to provide reasonable assurance that information required to be disclosed in reports we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission ("SEC") and that such information is accumulated and communicated to our management, including our Chief Executive Officer ("CEO") and Chief Financial Officer ("CFO"), as appropriate, to allow timely decisions regarding required disclosures.

Our management, with the participation of our CEO and CFO, evaluated the effectiveness of our disclosure controls and procedures as of December 31, 2022 December 31, 2023. Based on their evaluation, as of December 31, 2022 December 31, 2023, our CEO and CFO have concluded that our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act) were not effective due to provide reasonable assurance that information required to be disclosed in reports we file or submit

under the material weakness Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the rules and forms of the SEC and that such information is accumulated and communicated to our internal control over financial reporting management, including our CEO and CFO, as described below, appropriate to allow timely decisions regarding required disclosures.

Management's Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rules 13a-15(f) and 15d-15(f) under the Exchange Act. Internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP"). Internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of our assets; (ii) provide reasonable assurance that our transactions are recorded as necessary to permit preparation of financial statements in accordance with U.S. GAAP, and that our receipts and expenditures are being made only in accordance with authorizations of management and our directors; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of our assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Under the supervision and with the participation of our management, including our CEO and CFO, we conducted an assessment of our internal control over financial reporting as of December 31, 2022 December 31, 2023. In making this assessment, we used the criteria set forth in "Internal Control-Integrated Framework (2013)" issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). Based on this evaluation, management concluded that our internal control over financial reporting was not effective as of December 31, 2022 due to the material weakness in our internal control over financial reporting, as follows: December 31, 2023.

Subsequent to our acquisition of Park Environmental Equipment, LLC ("ParkUSA"), a privately held company, we instituted new internal controls, processes and procedures, and we converted ParkUSA to our enterprise resource planning ("ERP") system. We have identified control deficiencies related to that system implementation project. Specifically, we did not exercise sufficient oversight, design effective controls to ensure completeness of the data conversion, or conduct sufficient testing to ensure the system would operate effectively. Additionally, we were unable to implement and evidence compensating business controls specific to ParkUSA's sales transactions and cost of sales transactions. As a result, these business process control deficiencies, when combined with the ERP implementation control deficiencies, create a reasonable possibility that a material misstatement to the consolidated financial statements will not be prevented or detected on a timely basis.

Moss Adams LLP, an independent registered public accounting firm, has issued an adverse opinion on the The effectiveness of our internal control over financial reporting as of December 31, 2022, which is included in Part II — Item 8. "Financial Statements and Supplementary Data" of this 2022 Form 10-K.

As a result of the identification of the material weakness, and prior to filing this 2022 Form 10-K, we performed further analysis and completed additional procedures intended to ensure our consolidated financial statements for the year ended December 31, 2022 were prepared in accordance with U.S. GAAP. Based on these procedures and analysis, and notwithstanding the material weakness in our internal control over financial reporting, our management December 31, 2023 has concluded that our consolidated financial statements and related notes thereto included in this 2022 Form 10-K have been prepared in accordance with U.S. GAAP. Our CEO and CFO have certified that, based on each such officer's knowledge, the financial statements, as well as the other financial information included in this 2022 Form 10-K, fairly present in all material respects our financial condition, results of operations and cash flows as of, and for, the periods presented in this 2022 Form 10-K. In addition, audited by Moss Adams LLP, has issued an unqualified opinion on independent registered public accounting firm, as stated in their report which appears herein.

Remediation of Prior Material Weakness

In the quarter ended December 31, 2023, we completed our financial statements, which is included in Part II — Item 8. "Financial Statements" review of the processes and Supplementary Data controls related to the implementation of this 2022 Form 10-K, and we have developed a remediation plan our enterprise resource planning ("ERP") system for the material weakness, which is described below.

Planned Remediation

acquisition of Park Environmental Equipment, LLC ("ParkUSA"). We have taken, and continue to take, steps to remediate the control deficiencies contributing to the material weakness described in this Item 9A. These remediation actions include: hiring consultants to assist with an evaluation of the ERP system, process, and workflow design; educating control owners concerning the principles and requirements of each control, with a focus on those related to sales and cost of sales transactions; and implementing new monitoring controls including additional analyses to help mitigate the risk that controls do not operate effectively. We will report regularly to These changes remediated our Audit Committee on the progress and results previously identified material weakness in implementation of our remediation plan, and we may take additional measures to address these control deficiencies, or we may modify certain ERP system for the acquisition of the remediation measures described above. ParkUSA.

Management is committed to taking the necessary steps to ensure that our internal control over financial reporting is designed and operating effectively, and we intend to remediate this material weakness as soon as possible and believe the measures described above will do so. This material weakness will not be considered remediated until the applicable controls operate for a sufficient period of time and management has concluded through testing that the controls are operating effectively. We anticipate that the remediation will be completed during 2023.

Changes in Internal Control over Financial Reporting

Except for the changes described above to remediate our previously identified material weakness, identified by management and described above, there were no significant changes in our internal control over financial reporting that occurred during the quarter ended December 31, 2022 December 31, 2023 that materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Item 9B. Other Information

None. None of our directors or officers adopted, modified, or terminated a Rule 10b5-1 trading arrangement or a non-Rule 10b5-1 trading arrangement during the quarter ended December 31, 2023, as such terms are defined under Item 408(a) of Regulation S-K.

Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections

None.

PART III

Item 10. Directors, Executive Officers and Corporate Governance

Directors, Executive Officers, Promoters and Control Persons

The information required by Paragraph (a) and Paragraphs (c) through (g) of Item 401 of Regulation S-K (except for information required by Paragraph (e) of that Item to the extent the required information pertains to our executive officers) and Item 405 of Regulation S-K (to the extent required) is hereby incorporated by reference from our definitive proxy statement for the 2023 2024 Annual Meeting of Shareholders under the caption Nominees and Continuing Directors.

The following table lists our executive officers and each of their ages and positions as of December 31, 2022 December 31, 2023.

Name	Age	Current Position with Northwest Pipe Company
Scott Montross	57 58	Director, President, and Chief Executive Officer
Aaron Wilkins	48 49	Senior Vice President, Chief Financial Officer, and Corporate Secretary
Miles Brittain	59 60	Executive Vice President
Eric Stokes	51 52	Senior Vice President and General Manager of Engineered Steel Pressure Pipe
Michael Wray	49 50	Senior Vice President and General Manager of Precast Infrastructure and Engineered Systems
Megan Kendrick	46 47	Vice President of Human Resources

Scott Montross has served as our Director, President, and CEO since January 1, 2013. Mr. Montross joined the Company in May 2011 and served as our Executive Vice President and Chief Operating Officer. Mr. Montross has served in Senior Vice President level positions since 2003 with commercial, operational, and planning responsibilities and has spent a total of 24 years in the steel industry prior to joining the Company. Mr. Montross previously served as the Executive Vice President of the Flat Products Group for EVRAZ North America's Oregon Steel Division from 2010 to 2011, as the Vice President and General Manager of EVRAZ North America from 2007 to 2010, as the Vice President of Marketing and Sales for Oregon Steel Mills, Inc. from 2003 to 2007, and as the Vice President of Marketing and Sales for National Steel Corporation from 2002 to 2003.

Aaron Wilkins has served as our Senior Vice President and CFO since April 2020 and our Corporate Secretary since September 2019. Mr. Wilkins served as our Vice President of Finance and Corporate Controller from September 2016 to April 2020. Prior to joining the Company, Mr. Wilkins served two years as CFO of Omega Morgan, an industrial services company. Prior to that, Mr. Wilkins served seven years with Oregon Steel Mills, Inc. and then EVRAZ North America, holding several finance and accounting positions including Corporate Controller and Assistant Treasurer and Director of Finance of EVRAZ North America's Flat Products Group.

Miles Brittain has served as our Executive Vice President since May 2021. Prior to that, Mr. Brittain served as our Vice President of Operations from February 2020 to May 2021, Vice President of Operations for Water Transmission Engineered Systems from September 2018 to February 2020, and our Vice President of Operations, Water Transmission from 2013 to September 2018. Prior to joining the Company, Mr. Brittain served in the steel industry for over 28 years, holding key positions including Vice President and General Manager for EVRAZ North America/Claymont Steel, Director of Operations for EVRAZ North America/Oregon Steel Mills, Inc., and Regional Director of Quality Assurance for National Steel Corporation.

Eric Stokes has served as our Senior Vice President and General Manager of Engineered Steel Pressure Pipe since May 2021. Prior to that, Mr. Stokes served as our Senior Vice President of Sales and Marketing, Water Transmission from February 2020 to May 2021 and Vice President of Sales from April 2012 to February 2020. Prior to joining the Company in 2008, Mr. Stokes spent twelve years with Anderson Construction, holding key positions including Project Superintendent.

Michael Wray has served as Senior Vice President and General Manager of Precast Infrastructure and Engineered Systems since November 2021. Mr. Wray served as Vice President and General Manager of Geneva from February 2020 to October 2021 and as Senior Director of Operations from September 2018 to January 2020. Prior to that, Mr. Wray held a variety of operational positions within the Company. Prior to joining the Company in 2007, Mr. Wray spent two years with Continental Pipe Company and nine years with Smith Megadiamond, a Schlumberger company.

Megan Kendrick has served as our Vice President of Human Resources since January 2017. Prior to that, Ms. Kendrick held a variety of positions within the Company in the accounting and human resource departments. Prior to joining the Company in 2008, Ms. Kendrick worked for the Memphis Grizzlies of the National Basketball Association for seven years.

Code of Ethics

We have a Code of Business Conduct and Ethics for all employees and a Code of Ethics for Senior Financial Officers. Copies can be found on our website in the Corporate Governance area of the Investor Relations section. None of the material on our website is part of this 2022 2023 Form 10-K. If there is any waiver from any provision of either the Code of Business Conduct and Ethics or the Code of Ethics for Senior Financial Officers, we will disclose the nature of such waiver on our website or in a Current Report on Form 8-K.

Corporate Governance

The information required by Items 407(c)(3), (d)(4), and (d)(5) of Regulation S-K is hereby incorporated by reference from our definitive proxy statement for the 2023 2024 Annual Meeting of Shareholders under the caption Corporate Governance.

Item 11. Executive Compensation

The information required by this Item is hereby incorporated by reference from our definitive proxy statement for the 2023 2024 Annual Meeting of Shareholders under the captions Executive Compensation Discussion and Analysis, Compensation Committee Interlocks and Insider Participation, and Compensation Committee Report.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The following table provides information as of December 31, 2022, December 31, 2023 with respect to the shares of our common stock that may be issued under our existing equity compensation plans.

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a) (1)	Weighted-average exercise price of outstanding options, warrants and rights (b) (2)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a)) (c)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))		
				(a) (1)	(b) (2)	(c)
Equity compensation plans approved by security holders	200,924	\$ -	873,402	226,391	\$ -	722,573
Equity compensation plans not approved by security holders (3)	-	-	-	-	-	-
Total	200,924	\$ -	873,402	226,391	\$ -	722,573

(1) Consists of performance share awards and restricted stock unit awards under our 2022 Stock Incentive Plan and our 2007 Stock Incentive Plan. The number of securities disclosed in this table for performance share awards are at the target level of 100%.

(2) Reflects the exercise price per share of common stock purchasable upon the exercise of stock options only. As of **December 31, 2022** **December 31, 2023**, no stock options were outstanding.

(3) We do not have any equity compensation plans or arrangements that have not been approved by shareholders.

*The information required by Item 403 of Regulation S-K is included in our definitive proxy statement for the **2023** **2024** Annual Meeting of Shareholders under the caption Stock Owned by Management and Principal Shareholders and is incorporated herein by reference.*

Item 13. Certain Relationships and Related Transactions, and Director Independence

*The information required by this Item is hereby incorporated by reference from our definitive proxy statement for the **2023** **2024** Annual Meeting of Shareholders under the captions Certain Relationships and Related Transactions and Nominees and Continuing Directors.*

Item 14. Principal Accountant Fees and Services

*The information required by this Item is hereby incorporated by reference from our definitive proxy statement for the **2023** **2024** Annual Meeting of Shareholders under the caption Disclosure of Fees Paid to Independent Registered Public Accounting Firm.*

PART IV

Item 15. Exhibit and Financial Statement Schedules

(a) (1) *Consolidated Financial Statements*

The Consolidated Financial Statements, together with the report thereon of Moss Adams LLP are included on the pages indicated below.

	Page
Report of Independent Registered Public Accounting Firm (Moss Adams LLP, Portland, Oregon, PCAOB ID No. 659)	F-1 F-1
Consolidated Statements of Operations for the years ended December 31, 2022 December 31, 2023, 2021, 2022, and 20202021	F-3 F-3
Consolidated Statements of Comprehensive Income for the years ended December 31, 2022 December 31, 2023, 2021, 2022, and 20202021	F-4 F-4
Consolidated Balance Sheets as of December 31, 2022 December 31, 2023 and 20212022	F-5 F-5
Consolidated Statements of Stockholders' Equity for the years ended December 31, 2022 December 31, 2023, 2021, 2022, and 20202021	F-6 F-6
Consolidated Statements of Cash Flows for the years ended December 31, 2022 December 31, 2023, 2021, 2022, and 20202021	F-7 F-7
Notes to Consolidated Financial Statements	F-9 F-9

(a) (2) *Financial Statement Schedule*

The following schedule is filed herewith:

	Page
Schedule II Valuation and Qualifying Accounts	S-1

Schedules not listed above have been omitted because the information required to be set forth therein is not applicable or is included in the Consolidated Financial Statements or notes thereto.

(a) (3) *Exhibits included herein:*

Exhibit

Number	Description
2.1	Agreement and Plan of Merger dated as of January 31, 2020 among Northwest Pipe Company, Hatch Acquisition Corporation, Geneva Pipe Company, Inc., the Shareholders of Geneva Pipe Company, Inc., and Kurt Johnson, as Shareholder Representative, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on February 6, 2020**
2.2	Membership Interest Purchase Agreement dated as of October 5, 2021 by and among Northwest Pipe Company, EBSR, LLC, the equity holders of EBSR, LLC, and Park Environmental Equipment, LLC, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on October 6, 2021**
3.1	Second Restated Articles of Incorporation, incorporated by reference to the Company's Form 10-K for the year ended December 31, 2021, as filed with the Securities and Exchange Commission on March 16, 2022

Exhibit

Number	Description
3.2	First Amendment to Second Restated Articles of Incorporation, incorporated by reference to Exhibits to the Company's Registration Statement on Form S-3, as amended, as filed with the Securities and Exchange Commission on October 20, 2006, Commission Registration No. 333-137923

3.3	Amended and Restated Bylaws, incorporated by reference to the Company's Current Report on Form 8-K as filed with the Securities and Exchange Commission on December 12, 2022 December 19, 2023
4.1	Description of Securities Registered Under Section 12 of the Securities Exchange Act of 1934, incorporated by reference to the Company's Form 10-K for the year ended December 31, 2019, as filed with the Securities and Exchange Commission on March 3, 2020
10.1	Northwest Pipe NQ Retirement Savings Plan, dated July 1, 1999, incorporated by reference to Exhibits to the Company's Quarterly Report Form 10-Q for the quarter ended June 30, 2000, as filed with the Securities and Exchange Commission on August 11, 2000*
10.2	Northwest Pipe Company 2007 Stock Incentive Plan, incorporated by reference to Appendix A to the Company's Definitive Proxy Statement dated April 20, 2007, as filed with the Securities and Exchange Commission on April 26, 2007*
10.3	Amendment to the Northwest Pipe Company 2007 Stock Incentive Plan dated April 12, 2013, incorporated by reference to Appendix A to the Company's Definitive Proxy Statement, as filed with the Securities and Exchange Commission on April 17, 2013*
10.4	Amended and Restated Change in Control Agreement between Scott Montross and Northwest Pipe Company dated August 1, 2016, incorporated by reference to the Company's Form 10-Q for the quarter ended June 30, 2016, as filed with the Securities and Exchange Commission on August 3, 2016*
10.5	Form of Restricted Stock Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on April 1, 2019*
10.6	Form of Performance Share Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on April 1, 2020*
10.7 10.6	Form of Restricted Stock Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on April 1, 2020*
10.8 10.7	Change in Control Agreement dated April 1, 2020 between Northwest Pipe Company and Aaron Wilkins, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on April 3, 2020*
10.9 10.8	Form of Performance Share Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on March 19, 2021*
10.10 10.9	Form of Restricted Stock Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on March 19, 2021*
10.11 10.10	Change in Control Agreement dated June 10, 2021 between Northwest Pipe Company and Miles Brittain, incorporated by reference to the Company's Current Report on Form 8-K/A, as filed with the Securities and Exchange Commission on June 11, 2021*
10.12 10.11	Credit Agreement dated June 30, 2021 by and among Wells Fargo Bank, National Association, Wells Fargo Securities, LLC, Northwest Pipe Company, NWPC, LLC, and Geneva Pipe and Precast Company, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on July 7, 2021

Exhibit	Number	Description
10.13	10.12	Guaranty and Security Agreement dated June 30, 2021 among Northwest Pipe Company, NWPC, LLC, Geneva Pipe and Precast Company, Permalok Corporation, Thompson Tank Holdings, Inc., WTG Holding U.S., Inc., Bolenco Corporation, and Wells Fargo Bank, National Association, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on July 7, 2021

10.14	10.13	Incremental Amendment dated October 22, 2021 by and among Northwest Pipe Company, NWPC, LLC, Geneva Pipe and Precast Company, Park Environmental Equipment, LLC, certain other subsidiaries of Northwest Pipe Company, and Wells Fargo Bank, National Association, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on October 28, 2021
10.15	10.14	Separation Agreement dated April 8, 2022 between Northwest Pipe Company and William Smith, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on April 13, 2022
10.16		Northwest Pipe Company 2022 Stock Incentive Plan, incorporated by reference to Appendix A to the Company's Definitive Proxy Statement on Schedule 14A, as filed with the Securities and Exchange Commission on April 28, 2022 *
10.17	10.15	Second Amendment to Credit Agreement dated April 29, 2022 by and among Northwest Pipe Company, NWPC, LLC, Geneva Pipe and Precast Company, Park Environmental Equipment, LLC, certain other subsidiaries of Northwest Pipe Company, and Wells Fargo Bank, National Association, incorporated by reference to the Company's Form 10-Q for the quarter ended March 31, 2022, as filed with the Securities and Exchange Commission on May 6, 2022
10.18	10.16	Form of Performance Share Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on June 23, 2022 *
10.19	10.17	Form of Restricted Stock Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on June 23, 2022 *
10.20		Open Market Sale Agreements, dated September 2, 2022 between Northwest Pipe Company and Jefferies LLC, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on September 2, 2022
10.21	10.18	Form of Indemnification Agreement, incorporated by reference to the Company's Current Report on Form 8-K as filed with the Securities and Exchange Commission on December 12, 2022
10.19		Form of Performance Share Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on April 13, 2023 *
10.20		Form of Restricted Stock Unit Agreement, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on April 13, 2023 *
10.21		Third Amendment to Credit Agreement dated as of June 29, 2023, by and among Northwest Pipe Company, NWPC, LLC, Geneva Pipe and Precast Company, Park Environmental Equipment, LLC, certain other subsidiaries of Northwest Pipe Company, and Wells Fargo Bank National Association, incorporated by reference to the Company's Current Report on Form 8-K, as filed with the Securities and Exchange Commission on July 3, 2023 **
21.1		Subsidiaries of the Registrant, filed herewith
23.1		Consent of Moss Adams LLP, filed herewith
31.1		Certification of Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, filed herewith
31.2		Certification of Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, filed herewith
Exhibit Number	Description	
32.1		Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, filed herewith
32.2		Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, filed herewith
97		Incentive Compensation Recovery Policy
99.1		Interim Funding Agreement dated August 2, 2022 by and between Wells Fargo Equipment Finance, Inc. and Geneva Pipe and Precast Company, incorporated by reference to the Company's Form 10-Q for the quarter ended September 30, 2022, as filed with the Securities and Exchange Commission on November 9, 2022
Exhibit Number	Description	
101.INS		Inline XBRL Instance Document
101.SCH		Inline XBRL Taxonomy Extension Schema Document

101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

SM "Open Market Sale Agreement" is a service mark of Jefferies LLC.

* This exhibit constitutes a management contract or compensatory plan or arrangement.

** Schedules and similar attachments to this exhibit have been omitted pursuant to Item 601(a)(5) to Regulation S-K. The Registrant will furnish supplementally a copy of any omitted schedule or similar attachment to the Securities and Exchange Commission request.

Item 16. Form 10-K Summary

None.

Report of Independent Registered Public Accounting Firm

To the Stockholders and the Board of Directors of
Northwest Pipe Company

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Northwest Pipe Company and Subsidiaries (the "Company") as of **December 31, 2022** **December 31, 2023** and **2021**, 2022, the related consolidated statements of operations, comprehensive income, stockholders' equity and cash flows for each of the three years in the period ended **December 31, 2022** **December 31, 2023**, and the related notes and schedule listed in the Index at Item 15(a)(2) (collectively referred to as the "consolidated financial statements"). We also have audited the Company's internal control over financial reporting as of **December 31, 2022** **December 31, 2023**, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO").

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of the Company as of **December 31, 2022** **December 31, 2023** and **2021**, 2022, and the consolidated results of its operations and its cash flows for each of the three years in the period ended **December 31, 2022** **December 31, 2023**, in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, because of the effect of the material weakness identified below on the achievement of the objectives of the control criteria, the Company has not maintained, in all material respects, effective internal control over financial reporting as of **December 31, 2022** **December 31, 2023**, based on criteria established in Internal Control - Integrated Framework (2013) issued by COSO.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Report on Internal Control over Financial Reporting included in Item 9A. Our responsibility is to express an opinion on the Company's consolidated financial statements and an opinion on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures to respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

A material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of the Company's annual or interim financial statements will not be prevented or detected on a timely basis. The following material weakness has been identified and included in management's assessment in Item 9A:

The Company converted the recently acquired Park Environmental Equipment, LLC ("ParkUSA") subsidiary to its enterprise resource planning (ERP) system, and the Company did not design and maintain effective controls to ensure completeness of the data converted or conduct sufficient testing to ensure the system would operate effectively for sales and cost of sales transactions. In addition, the Company was unable to implement and evidence compensating business process controls specific to ParkUSA's sales and cost of sales transactions.

We considered the material weakness in determining the nature, timing, and extent of audit tests applied in our audit of the Company's consolidated financial statements as of and for the year ended December 31, 2022, and our opinion on such consolidated financial statements was not affected.

Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

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Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Critical Audit Matter

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (1) relates to accounts or disclosures that are material to the consolidated financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

Revenue Recognition – Estimated Costs to Complete a Contract

As presented in the consolidated statement of operations and described in Notes 2 and 16 to the consolidated financial statements, the Company's consolidated revenues and costs of revenue were \$457.7 million and \$371.8 million, respectively, for the year ended December 31, 2022 December 31, 2023. Revenue of \$307.6 million was derived from contracts where revenue is recognized over time as work is completed because of the continuous transfer of control to the customer. Under this method, the costs incurred to date as a percentage of total estimated costs at completion are used to calculate revenue. Total estimated costs, and thus contract revenue and margin, are impacted by many factors, which can cause significant changes in estimates during the life cycle of a project.

Based on the high degree of subjectivity involved in the determination of estimated costs to complete a contract, which in turn led to a high degree of auditor effort and subjectivity in performing procedures and evaluating audit evidence, we have identified these estimates as a critical audit matter. Changes in these estimates could have significant impact on both the timing and amount of contract revenue to be recognized.

The primary procedures we performed to address this critical audit matter included:

- Testing the design and operating effectiveness of internal controls related to the Company's accumulation of estimated costs to complete a contract. This included testing controls over the Company's review of monthly changes in estimated costs to complete a contract.

- Testing a selection of contracts based on earned revenue for the year ended **December 31, 2022** **December 31, 2023** and assessed the reasonableness of the estimated costs.
- Testing the reasonableness of management's cost estimates by performing a lookback analysis comparing margins and estimated costs to complete on contracts in process as of **December 31, 2021** **December 31, 2022**, that were completed or in process during the year ended **December 31, 2022** **December 31, 2023**.

/s/ Moss Adams LLP

Portland, Oregon
March 16, 2023 5, 2024

We have served as the Company's auditor since 2016.

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NORTHWEST PIPE COMPANY AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF OPERATIONS
(In thousands, except per share amounts)

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Net sales	\$ 457,665	\$ 333,313	\$ 285,907	\$ 444,355	\$ 457,665	\$ 333,313
Cost of sales	371,810	289,059	235,388	366,713	371,810	289,059
Gross profit	85,855	44,254	50,519	77,642	85,855	44,254
Selling, general, and administrative expense	41,034	28,222	24,954	43,784	41,034	28,222
Operating income	44,821	16,032	25,565	33,858	44,821	16,032
Other income	97	328	1,002	276	97	328
Interest expense	(3,568)	(1,202)	(933)	(4,855)	(3,568)	(1,202)
Income before income taxes	41,350	15,158	25,634	29,279	41,350	15,158
Income tax expense	10,201	3,635	6,584	8,207	10,201	3,635
Net income	\$ 31,149	\$ 11,523	\$ 19,050	\$ 21,072	\$ 31,149	\$ 11,523
Net income per share:						
Basic	\$ 3.14	\$ 1.17	\$ 1.95	\$ 2.11	\$ 3.14	\$ 1.17
Diluted	\$ 3.11	\$ 1.16	\$ 1.93	\$ 2.09	\$ 3.11	\$ 1.16
Shares used in per share calculations:						
Basic	9,914	9,854	9,788	9,991	9,914	9,854
Diluted	10,012	9,928	9,873	10,081	10,012	9,928

The accompanying notes are an integral part of these consolidated financial statements.

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NORTHWEST PIPE COMPANY AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME
(In thousands)

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021

Net income	\$ 31,149	\$ 11,523	\$ 19,050	\$ 21,072	\$ 31,149	\$ 11,523
Other comprehensive income (loss), net of tax:						
Pension liability adjustment	(45)	308	(25)	339	(45)	308
Unrealized gain (loss) on foreign currency forward contracts designated as cash flow hedges	289	(124)	(27)	(107)	289	(124)
Unrealized gain on interest rate swap designated as cash flow hedge	649	-	-	-	-	-
Unrealized gain (loss) on interest rate swaps designated as cash flow hedges				(403)	649	-
Other comprehensive income (loss), net of tax	893	184	(52)	(171)	893	184
Comprehensive income	\$ 32,042	\$ 11,707	\$ 18,998	\$ 20,901	\$ 32,042	\$ 11,707

The accompanying notes are an integral part of these consolidated financial statements.

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NORTHWEST PIPE COMPANY AND SUBSIDIARIES
CONSOLIDATED BALANCE SHEETS

(Dollar amounts in thousands, except per share amounts)

	December 31,		December 31,	
	2022	2021	2023	2022
Assets				
Current assets:				
Cash and cash equivalents	\$ 3,681	\$ 2,997	\$ 4,068	\$ 3,681
Trade and other receivables, less allowance for doubtful accounts of \$369 and \$503	71,563	52,664		
Trade and other receivables, less allowance for doubtful accounts of \$121 and \$369			47,645	71,563
Contract assets	121,778	107,170	120,516	121,778
Inventories	71,029	59,651	91,229	71,029
Prepaid expenses and other	10,689	5,744	9,026	10,689
Total current assets	278,740	228,226	272,484	278,740
Property and equipment, net	133,166	121,266	143,955	133,166
Operating lease right-of-use assets	93,124	98,507	88,155	93,124
Goodwill	55,504	53,684	55,504	55,504
Intangible assets, net	35,264	39,376	31,074	35,264
Other assets	5,542	6,620	6,709	5,542
Total assets	\$ 601,340	\$ 547,679	\$ 597,881	\$ 601,340
Liabilities and Stockholders' Equity				
Liabilities and Stockholders' Equity				
Current liabilities:				
Current debt	\$ 10,756	\$ -	\$ 10,756	\$ 10,756
Accounts payable	26,968	32,267	31,142	26,968
Accrued liabilities	30,957	24,498	27,913	30,957
Contract liabilities	17,456	2,623	21,450	17,456
Current portion of operating lease liabilities	4,702	4,704	4,933	4,702
Total current liabilities	90,839	64,092	96,194	90,839
Borrowings on line of credit	83,696	86,761	54,485	83,696
Operating lease liabilities	89,472	93,725	85,283	89,472
Deferred income taxes	11,402	10,984	10,942	11,402
Other long-term liabilities	7,657	8,734	10,617	7,657

Total liabilities	283,066	264,296	257,521	283,066
Commitments and contingencies (Note 15)				
Stockholders' equity:				
Preferred stock, \$.01 par value, 10,000,000 shares authorized, none issued or outstanding	-	-	-	-
Common stock, \$.01 par value, 15,000,000 shares authorized, 9,927,360 and 9,870,567 shares issued and outstanding as of December 31, 2022 and 2021, respectively	99	99	99	99
Common stock, \$.01 par value, 15,000,000 shares authorized, 9,985,580 and 9,927,360 shares issued and outstanding as of December 31, 2023 and 2022, respectively			100	99
Additional paid-in-capital	127,911	125,062	129,095	127,911
Retained earnings	191,053	159,904	212,125	191,053
Accumulated other comprehensive loss	(789)	(1,682)	(960)	(789)
Total stockholders' equity	318,274	283,383	340,360	318,274
Total liabilities and stockholders' equity	\$ 601,340	\$ 547,679	\$ 597,881	\$ 601,340

The accompanying notes are an integral part of these consolidated financial statements.

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NORTHWEST PIPE COMPANY AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY
(Dollar amounts in thousands)

	Accumulated					Accumulated				
	Common Stock		Additional		Total	Common Stock		Additional		Total
	Shares	Amount	Paid-In-Capital	Retained Earnings		Comprehensive Loss	Stockholders' Equity	Shares	Amount	
Balances,										
December 31, 2019	9,746,979	\$ 97	\$ 120,544	\$ 129,331	\$ (1,814)	\$ 248,158				
Net income	-	-	-	19,050	-	19,050				
Other comprehensive loss:										
Pension liability adjustment, net of tax benefit of \$8	-	-	-	-	(25)	(25)				
Unrealized loss on foreign currency forward contracts designated as cash flow hedges, net of tax benefit of \$9	-	-	-	-	(27)	(27)				

Issuance of common stock under stock compensation plans	58,458	1	(619)	-	-	(618)							
Share-based compensation expense	-	-	3,088	-	-	3,088							
Balances, December 31, 2020	9,805,437	98	123,013	148,381	(1,866)	269,626	9,805,437	\$ 98	\$ 123,013	\$ 148,381	\$ (1,866)	\$	
Net income	-	-	-	11,523	-	11,523	-	-	-	11,523	-	-	
Other comprehensive income (loss):													
Pension liability adjustment, net of tax expense of \$102	-	-	-	-	308	308	-	-	-	-	-	308	
Unrealized loss on foreign currency forward contracts designated as cash flow hedges, net of tax benefit of \$41	-	-	-	-	(124)	(124)	-	-	-	-	-	(124)	
Issuance of common stock under stock compensation plans	65,130	1	(1,167)	-	-	(1,166)							
Issuance of common stock under stock compensation plans, net of tax withholdings							65,130	1	(1,167)	-	-		
Share-based compensation expense	-	-	3,216	-	-	3,216	-	-	3,216	-	-		
Balances, December 31, 2021	9,870,567	99	125,062	159,904	(1,682)	283,383	9,870,567	99	125,062	159,904	(1,682)		
Net income	-	-	-	31,149	-	31,149	-	-	-	31,149	-	-	
Other comprehensive income (loss):													

Pension liability adjustment, net of tax benefit of \$14		(45)	(45)		(45)
Unrealized gain on foreign currency forward contracts designated as cash flow hedges, net of tax expense of \$95		289	289		289
Unrealized gain on interest rate swaps designated as cash flow hedges, net of tax expense of \$213		649	649		649
Issuance of common stock under stock compensation plans	56,793	(853)		(853)	
Issuance of common stock under stock compensation plans, net of tax withholdings			56,793		(853)
Share-based compensation expense		3,702		3,702	
Balances, December 31, 2022	9,927,360	\$ 99	\$ 127,911	\$ 191,053	\$ (789) 318,274
Net income					21,072
Other comprehensive income (loss):					
Pension liability adjustment, net of tax expense of \$110					339

Unrealized loss on foreign currency forward contracts designated as cash flow hedges, net of tax benefit of \$45							(107)
Unrealized loss on interest rate swaps designated as cash flow hedges, net of tax benefit of \$134							(403)
Issuance of common stock under stock compensation plans, net of tax withholdings	86,836	1	(1,653)				
Repurchase of common stock	(28,616)			(835)			
Share-based compensation expense			3,672				
Balances, December 31, 2023	9,985,580	\$ 100	\$ 129,095	\$ 212,125	\$ (960)	\$	

The accompanying notes are an integral part of these consolidated financial statements.

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NORTHWEST PIPE COMPANY AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS
(In thousands)

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Cash flows from operating activities:						
Net income	\$ 31,149	\$ 11,523	\$ 19,050	\$ 21,072	\$ 31,149	\$ 11,523
Adjustments to reconcile net income to net cash provided by (used in) operating activities:						
Depreciation and finance lease amortization	12,664	11,482	12,344	11,616	12,664	11,482
Amortization of intangible assets	4,439	2,142	2,207	4,190	4,439	2,142
Deferred income taxes	514	180	2,908	(172)	514	180
Gain on insurance proceeds	-	-	(1,147)	(466)	-	-
Share-based compensation expense	3,702	3,216	3,088	3,672	3,702	3,216

Other, net	(286)	193	1,889	1,547	(286)	193
Changes in operating assets and liabilities, net of acquired assets and assumed liabilities:						
Trade and other receivables	(19,346)	392	1,563	23,775	(19,346)	392
Contract assets, net	225	(33,752)	8,109	5,256	225	(33,752)
Inventories	(11,378)	(17,650)	7,153	(20,200)	(11,378)	(17,650)
Prepaid expenses and other assets	3,381	6,727	2,514	5,241	3,381	6,727
Accounts payable	(5,826)	16,783	(3,501)	4,704	(5,826)	16,783
Accrued and other liabilities	(1,698)	(7,047)	(90)	(6,780)	(1,698)	(7,047)
Net cash provided by (used in) operating activities	17,540	(5,811)	56,087	53,455	17,540	(5,811)
Cash flows from investing activities:						
Acquisition of business, net of cash acquired	-	(87,215)	(48,728)	-	-	(87,215)
Payment of working capital adjustment in acquisition of business						
Purchases of property and equipment	(22,829)	(13,262)	(14,013)	(18,291)	(22,829)	(13,262)
Purchases of intangible assets	(327)	-	(329)	-	(327)	-
Proceeds from insurance	-	-	1,637	431	-	-
Other investing activities	106	325	-	219	106	325
Net cash used in investing activities	(23,050)	(100,152)	(61,433)	(20,372)	(23,050)	(100,152)
Cash flows from financing activities:						
Borrowings on line of credit	177,634	122,272	41,377	155,398	177,634	122,272
Repayments on line of credit	(180,699)	(35,511)	(41,377)	(184,609)	(180,699)	(35,511)
Borrowings on other debt	10,756	-	15,879	-	10,756	-
Payments on other debt	-	(13,762)	(2,117)	-	-	(13,762)
Payments on finance lease liabilities	(597)	(415)	(420)	(826)	(597)	(415)
Tax withholdings related to net share settlements of equity awards	(853)	(1,166)	(618)			
Tax withholdings related to net share settlements of restricted stock and performance share awards				(1,652)	(853)	(1,166)
Repurchase of common stock				(707)	-	-
Other financing activities	(47)	(385)	(465)	(300)	(47)	(385)
Net cash provided by financing activities	6,194	71,033	12,259			
Net cash provided by (used in) financing activities				(32,696)	6,194	71,033
Change in cash and cash equivalents	684	(34,930)	6,913	387	684	(34,930)
Cash and cash equivalents, beginning of period	2,997	37,927	31,014	3,681	2,997	37,927
Cash and cash equivalents, end of period	\$ 3,681	\$ 2,997	\$ 37,927	\$ 4,068	\$ 3,681	\$ 2,997

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NORTHWEST PIPE COMPANY AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS, Continued
(In thousands)

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Supplemental disclosure of cash flow information:						
Cash paid during the period for interest, net of amounts capitalized	\$ 3,170	\$ 339	\$ 599	\$ 4,660	\$ 3,170	\$ 339
Cash paid during the period for income taxes (net of refunds of \$23, \$79, and \$153)	\$ 13,774	\$ 2,481	\$ 1,397			
Cash paid during the period for income taxes, net of refunds of \$145, \$23, and \$79				5,911	13,774	2,481

Noncash investing and financing activities:											
Accrued property and equipment purchases	\$ 1,314	\$ 788	\$ 325	\$ 656	\$ 1,314	\$ 788					
Accrued payment for repurchase of common stock							128		-	-	
Accrued consideration in acquisition of business	\$ 1,820	\$ 911	\$ -	\$ -	\$ -	\$ -	1,820	911			
Right-of-use assets obtained in exchange for operating lease liabilities	\$ 568	\$ 16,043	\$ 4,471	\$ 952	\$ 568	\$ 16,043					
Right-of-use assets obtained in exchange for finance lease liabilities	\$ 1,466	\$ 853	\$ 507	\$ 5,270	\$ 1,466	\$ 853					

The accompanying notes are an integral part of these consolidated financial statements.

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NORTHWEST PIPE COMPANY AND SUBSIDIARIES
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

1. ORGANIZATION:

Northwest Pipe Company (collectively with its subsidiaries, the "Company") is a leading manufacturer of water-related infrastructure products, and operates in two segments, Engineered Steel Pressure Pipe ("SPP") and Precast Infrastructure and Engineered Systems ("Precast"). This segment presentation is consistent with how the Company's chief operating decision maker, its Chief Executive Officer, evaluates performance of the Company and makes decisions regarding the allocation of resources. See Note 19, "Segment Information" for detailed descriptions of these segments.

In addition to being the largest manufacturer of engineered steel water pipeline systems in North America, the Company manufactures stormwater and wastewater technology products; high-quality precast and reinforced concrete products; pump lift stations; steel casing pipe, bar-wrapped concrete cylinder pipe, and one of the largest offerings of pipeline system joints, fittings, and specialized components. Strategically positioned to meet growing water and wastewater infrastructure needs, the Company provides solution-based products for a wide range of markets under the ParkUSA, Geneva Pipe and Precast, Permalok®, and Northwest Pipe Company lines. The Company is headquartered in Vancouver, Washington, and has 13 manufacturing facilities across North America.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

Basis of Consolidation and Presentation

The Consolidated Financial Statements are expressed in United States Dollars and include the accounts of the Company and its subsidiaries over which the Company exercises control as of the financial statement date. Intercompany accounts and transactions have been eliminated.

Use of Estimates

The preparation of the Consolidated Financial Statements in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP") requires management to make estimates and judgments that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. The Company bases its estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances. On an ongoing basis, the Company evaluates all of its estimates, including those related to business combinations, allowance for doubtful accounts, inventories, property and equipment (including depreciation and valuation), goodwill, intangible assets (including amortization), revenue recognition, share-based compensation, income taxes, and litigation and other contingencies. Actual results may differ from these estimates under different assumptions or conditions.

Business Combinations

*Business combinations are accounted for under the acquisition method which requires identifiable assets acquired and liabilities assumed in the acquired business **acquired** be recognized and measured at fair value on the acquisition date, which is the date that the acquirer obtains control of the acquired business. The amount by which the fair value of consideration transferred as the purchase price exceeds the net fair value of assets acquired and liabilities assumed is recorded as goodwill. The amount by which the net fair value of assets acquired and liabilities assumed exceeds the fair value of consideration transferred as the purchase price is recorded as a bargain purchase gain. Acquisition-related transaction costs are expensed as incurred.*

These estimates are inherently uncertain and unpredictable. In addition, unanticipated events and circumstances may occur which may affect the accuracy or validity of such estimates. As a result, during the measurement period, which may be up to one year from the acquisition date, the Company may record adjustments to the assets acquired and liabilities assumed with the corresponding offset to goodwill or bargain purchase gain. Upon the conclusion of the measurement period or final determination of the fair value of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to the Company's Consolidated Statements of Operations.

Cash and Cash Equivalents

Cash and cash equivalents consist of cash and short-term, highly-liquid investments with maturities of three months or less when purchased. At times, the Company will have outstanding checks in excess of related bank balances ("book overdraft"). If this occurs, the amount of the book overdraft will be reclassified to accounts payable, and changes in the book overdraft will be reflected as a component of operating activities in the Consolidated Statements of Cash Flows. The Company had a book overdraft of **\$0.6** **\$1.8** million and **\$4.1** **\$0.6** million as of December 31, **2022** **2023** and **2021**, **2022**, respectively.

Receivables and Allowance for Doubtful Accounts

Trade receivables are reported on the Consolidated Balance Sheets net of doubtful accounts. The Company maintains allowances for estimated losses resulting from the inability of its customers to make required payments or from contract disputes. The amounts of such allowances are based on historical experience and management's judgment. The Company will write down or write off a receivable account once the account is deemed uncollectible. If the customers' financial conditions were to deteriorate resulting in their inability to make payments, or if contract disputes were to escalate, additional allowances may need to be recorded which would result in additional expenses being recorded for the period in which such determination was made.

Contract Assets and Contract Liabilities

Contract assets primarily represent revenue earned over time but not yet billable based on the terms of the contracts. These amounts will be billed based on the terms of the contracts, which can include certain milestones, partial shipments, or completion of the contracts. Payment terms of amounts billed vary based on the customer, but are typically due within 30 days of invoicing. Contract liabilities represent advance billings on contracts, typically for steel.

Inventories

Inventories are stated at the lower of cost and net realizable value. The cost of raw material inventories of steel is either on a specific identification basis or on an average cost basis. The cost of substantially all other raw material inventories, as well as work-in-process and supplies, is either on an average cost basis or at standard cost. The cost of finished goods uses the first-in, first-out method of accounting.

Property and Equipment

Property and equipment are recorded at cost. Maintenance and repairs are expensed as incurred, and costs of new equipment and buildings, as well as costs of expansions or refurbishment of existing equipment and buildings, including interest where applicable, are capitalized. Depreciation and amortization are determined by the units of production method for most equipment and by the straight-line method for the remaining assets based on the estimated useful lives of the related assets. Estimated useful lives by major classes of property and equipment are as follows: Land improvements (15 – 30 years); Buildings (20 – 40 years); Leasehold improvements (5 – 30 years); and Machinery and equipment (3 – 30 years). Depreciation expense calculated under the units of production method may be less than, equal to, or greater than depreciation expense calculated under the straight-line method due to variances in production levels. Upon disposal, costs and related accumulated depreciation of the assets are removed from the accounts and resulting gains or losses are reflected in operating expenses. The Company leases certain equipment under long-term finance leases, which are being amortized on a straight-line basis over the shorter of its useful life or the lease term.

The Company assesses impairment of property and equipment whenever changes in circumstances indicate that the carrying values of the asset or asset group(s) may not be recoverable. The asset group is the lowest level at which identifiable cash flows are largely independent of the cash flows of other groups of assets or liabilities. The recoverable value of a long-lived asset group is determined by estimating future undiscounted cash flows using assumptions about the expected future operating performance of the Company.

Leases

The Company has entered into various equipment and property leases. Certain lease agreements include renewals and/or purchase options set to expire at various dates, and certain lease agreements include rental payments adjusted periodically for inflation. The Company's lease agreements do not contain any material residual value guarantees or material restrictive covenants.

The Company determines if an arrangement is a lease at inception. Leases with an initial term of twelve months or less are not recorded on the balance sheet; costs for these leases are recognized on a straight-line basis over the lease term. Right-of-use assets and lease liabilities are recognized based on the present value of lease payments over the lease term at commencement date. Because most of When the Company's leases do not provide an implicit rate of return, the Company uses its revolving loan borrowing rate in determining the present value of lease payments. Some of the Company's lease agreements contain non-lease components, which are accounted for separately.

Goodwill

Goodwill represents the excess of the purchase price over the fair values of the assets acquired and liabilities assumed in conjunction with an acquisition. Goodwill is reviewed for impairment annually, or whenever events occur or circumstances change that indicate goodwill may be impaired. During the fourth quarter of 2022, the Company changed the date of its annual impairment test of goodwill from December 31 to November 30. The change in the impairment test date will lessen resource constraints that exist in connection with the Company's year-end close and financial reporting process and provides for additional time to complete the required impairment testing. This change does not represent a material change to the Company's method of applying an accounting principle, and therefore does not delay, accelerate, or avoid an impairment charge.

In testing goodwill for impairment, the Company has the option to perform a qualitative assessment to determine whether the existence of events or circumstances indicate that it is more-likely-than-not (more than 50%) that the fair value of a reporting unit is less than its carrying amount. When performing a qualitative assessment, the Company evaluates factors such as industry and market conditions, cost factors, overall financial performance, and other relevant entity specific events and changes. If the qualitative assessment indicates that it is more-likely-than-not that the fair value of the reporting unit is less than its carrying amount, or if the Company chooses not to perform the qualitative assessment, then a quantitative assessment is performed to determine the reporting unit's fair value. If the reporting unit's carrying value exceeds its fair value, then an impairment loss is recognized for the amount of the excess of the carrying amount over the reporting unit's fair value, not to exceed the total amount of goodwill allocated to the reporting unit.

Intangible Assets

Intangible assets consist primarily of customer relationships, trade names and trademarks, patents, and backlog recorded as the result of acquisition activity. Intangible assets are amortized using the straight-line method over estimated useful lives ranging from three to 21 years.

Workers Compensation

The Company is self-insured and maintains high deductible policies for losses and liabilities associated with workers compensation claims. Losses are accrued based upon the Company's estimates of the aggregate liability for claims incurred using historical experience and certain actuarial assumptions followed in the insurance industry. As of December 31, 2022 and 2021, workers compensation reserves recorded were \$1.6 million and \$1.7 million, respectively, of which \$0.5 million and \$0.4 million, respectively, were included in Accrued liabilities and \$1.1 million and \$1.3 million, respectively, were included in Other long-term liabilities.

Accrued Liabilities

Accrued liabilities as of December 31, 2022 and 2021 includes accrued bonus of \$5.2 million and \$8.0 million, respectively, and \$3.7 accrued sales tax of \$5.3 million respectively, of accrued bonus and \$4.4 million, respectively.

Derivative Instruments

In the normal course of business, the Company is exposed to interest rate and foreign currency exchange rate fluctuations. Consistent with the Company's strategy for financial risk management, the Company has established a program that utilizes foreign currency forward contracts and interest rate swaps to offset the risks associated with the effects of these exposures. The Company utilizes cash flow hedge accounting treatment for qualifying foreign currency forward contracts and interest rate swaps. Instruments that do not qualify for cash flow hedge accounting treatment are remeasured at fair value on each balance sheet date and resulting gains and losses are recognized in earnings.

Share Repurchases

All shares reacquired in connection with the Company's share repurchase program are retired and treated as authorized and unissued shares.

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Pension Benefits

The Company has two defined benefit pension plans that have been frozen since 2001. The Company funds these plans to cover current plan costs plus amortization of the unfunded plan liabilities. To record these obligations, management uses estimates relating to investment returns, mortality, and discount rates.

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Foreign Currency Transactions

The functional currency of the Company, including its Mexican operations, is the United States dollar. Monetary assets and liabilities are remeasured at current exchange rates and non-monetary assets and liabilities are remeasured at historical exchange rates. Revenue and expenses related to monetary assets and liabilities are remeasured at average exchange rates and at historical exchange rates for the revenue and expenses related to non-monetary assets and liabilities.

Transaction gains (losses) from foreign currency forward contracts designated as cash flow hedges are included in Accumulated other comprehensive loss as a separate component of Stockholders' equity. For the years ended December 31, 2023, 2022, 2021, and 2020, net foreign currency transaction gains (losses) of \$0.4 million, \$0.5 million, \$(0.5) million, and \$(1.1) \$(0.5) million, respectively, were recognized in earnings.

Revenue Recognition

The Company manufactures water infrastructure steel pipe products, which are generally made to custom specifications for installation contractors serving projects funded by public water agencies, as well as precast and reinforced concrete products. Generally, each of the Company's contracts with its customers contains a single performance obligation, as the promise to transfer products is not separately identifiable from other promises in the contract and, therefore, is not distinct. The Company generally does not recognize revenue on a contract until the contract has approval and commitment from both parties, the contract rights and payment terms can be identified, the contract has commercial substance, and its collectability is probable.

SPP revenue for water infrastructure steel pipe products is recognized over time as the manufacturing process progresses because of the Company's right to payment for work performed to date plus a reasonable profit on cancellations for unique products that have no alternative use to the Company. Revenue is measured by the costs incurred to date relative to the estimated total direct costs to fulfill each contract (cost-to-cost method). Contract costs include all material, labor, and other direct costs incurred in satisfying the performance obligations. The cost of steel material is recognized as a contract cost when the steel is introduced into the manufacturing process. Changes in job performance, job conditions, and estimated profitability, including those arising from contract change orders, contract penalty provisions, foreign currency exchange rate movements, changes in raw materials costs, and final contract settlements may result in revisions to estimates of revenue, costs, and income, and are recognized in the period in which the revisions are determined. Provisions for losses on uncompleted contracts, included in Accrued liabilities, are estimated by comparing total estimated contract revenue to the total estimated contract costs and a loss is recognized during the period in which it becomes probable and can be reasonably estimated.

Precast revenue for water infrastructure concrete pipe and precast concrete products is recognized at the time control is transferred to customers, in an amount that reflects the consideration the Company expects to be entitled to in exchange for the products. All variable consideration that may affect the total transaction price, including contractual discounts, returns, and credits, is included in net sales. Estimates for variable consideration are based on historical experience, anticipated performance, and management's judgment. The Company's contracts do not contain significant financing.

Share-based Compensation

The Company recognizes the compensation cost of employee and director services received in exchange for awards of equity instruments based on the grant date estimated fair value of the awards. The Company estimates the fair value of restricted stock units ("RSUs") and performance share awards ("PSAs") using the value of the Company's stock on the date of grant. Share-based compensation cost is recognized over the period during which the employee or director is required to provide service in exchange for the award and, as forfeitures occur, the associated compensation cost recognized to date is reversed. For awards with performance-based payout conditions, the Company recognizes compensation cost based on the probability of achieving the performance conditions, with changes in expectations recognized as an adjustment to earnings in the period of change. Any recognized compensation cost is reversed if the conditions are ultimately not met.

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Income Taxes

Income taxes are recorded using an asset and liability approach that requires the recognition of deferred income tax assets and liabilities for the expected future income tax consequences of events that have been recognized in the Consolidated Financial Statements or income tax returns. Valuation allowances are established when necessary to reduce deferred income tax assets to the amount expected to be realized. The determination of the provision for income taxes requires significant judgment, the use of estimates, and the interpretation and application of complex tax laws. The provision for income taxes primarily reflects a combination of income earned and taxed in the various United States federal, state, local, and to a lesser extent, foreign jurisdictions. Jurisdictional tax law changes, increases or decreases in permanent differences between book and tax items, accruals or adjustments of accruals for unrecognized income tax benefits or valuation allowances, and the change in the mix of earnings from these taxing jurisdictions all affect the overall effective income tax rate.

The Company records income tax reserves for federal, state, local, and international exposures relating to periods subject to audit. The development of reserves for these exposures requires judgments about tax issues, potential outcomes and timing, and is a subjective estimate. The Company assesses income tax positions and records income tax

benefits for all years subject to examination based upon management's evaluation of the facts, circumstances, and information available at the reporting dates. For those income tax positions where it is more-likely-than-not that an income tax benefit will be sustained, the Company has recorded the largest amount of income tax benefit with a greater than 50% likelihood of being realized upon settlement with a tax authority that has full knowledge of all relevant information. For those income tax positions where it is not more-likely-than-not that an income tax benefit will be sustained, no income tax benefit has been recognized in the Consolidated Financial Statements.

Accumulated Other Comprehensive Loss

Accumulated other comprehensive loss includes unrealized gains and losses on derivative instruments related to the effective portion of cash flow hedges and changes in the funded status of the defined benefit pension plans, both net of the related income tax effect.

Net Income per Share

Basic net income per share is computed by dividing the net income by the weighted-average number of shares of common stock outstanding during the period. Diluted net income per share is computed by giving effect to all dilutive potential shares of common stock, including stock options, RSUs and PSAs, assumed to be outstanding during the extent dilutive period using the treasury stock method. Performance-based PSAs are considered dilutive when the related performance conditions have been met assuming the end of the reporting period represents the end of the performance period. In periods with a net loss, all potential shares of common stock are excluded from the computation of diluted net loss per share as the impact would be antidilutive.

Net income per basic and diluted weighted-average common share outstanding was calculated as follows (in thousands, except per share amounts):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
	\$ 31,149	\$ 11,523	\$ 19,050	\$ 21,072	\$ 31,149	\$ 11,523
Net income						
Basic weighted-average common shares outstanding	9,914	9,854	9,788	9,991	9,914	9,854
Effect of potentially dilutive common shares (1)	98	74	85	90	98	74
Diluted weighted-average common shares outstanding	10,012	9,928	9,873	10,081	10,012	9,928
Net income per common share						
Basic	\$ 3.14	\$ 1.17	\$ 1.95	\$ 2.11	\$ 3.14	\$ 1.17
Diluted	\$ 3.11	\$ 1.16	\$ 1.93	\$ 2.09	\$ 3.11	\$ 1.16

(1) There were no antidilutive shares for the years ended December 31, 2023, 2022, or 2021 or 2020.

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Concentrations of Credit Risk

Financial instruments, which potentially subject the Company to concentrations of credit risk, consist principally of trade receivables, foreign currency forward contracts, interest rate swaps, and deferred compensation plan assets. Trade receivables generally represent a large number of customers, including municipalities, manufacturers, distributors, and contractors, dispersed across a wide geographic base. As of December 31, 2023 and 2022, one customer had a balance in excess of 10% of total accounts receivable. As of December 31, 2021, no customer had a balance in excess of 10% of total accounts receivable. Foreign currency forward contracts and interest rate swaps are with a high quality financial institution. The Company's deferred compensation plan assets, included in Other assets, are invested in a diversified portfolio of stock and bond mutual funds.

Recent Accounting and Reporting Developments

Recent Accounting Standards Changes

In March 2020, October 2021, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No.2020-04, "Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting," which provides optional expedients and exceptions for applying U.S. GAAP to contracts, hedging relationships, and other transactions affected by the discontinuation of the London Interbank Offered Rate ("LIBOR") or by another reference rate expected to be discontinued. In January 2021, the FASB issued ASU No.2021-01, "Reference Rate Reform - Scope," which clarified the scope and application of the original guidance. In December 2022, the

FASB issued ASU No.2022-06, "Reference Rate Reform (Topic 848): Deferral of the Sunset Date of Topic 848" which deferred the sunset date by two years. The guidance was effective beginning March 12, 2020 and can be applied prospectively through December 31, 2024. The Company will adopt these standards when LIBOR is discontinued and does not expect a material impact to its financial position, results of operations, or cash flows from adoption of this guidance.

In October 2021, the FASB issued ASU No. 2021-08, "Business Combinations (Topic 805): Accounting for Contract Assets and Contract Liabilities from Contracts with Customers" ("ASU 2021-08") which requires an entity to recognize and measure contract assets and contract liabilities acquired in a business combination in accordance with Accounting Standards Codification Topic 606, "Revenue from Contracts with Customers," as if it had originated the contracts. The Company adopted ASU 2021-08 on January 1, 2023 and the impact was not material to the Company's financial position, results of operations, or cash flows.

Recent Accounting Standards

In March 2023, the FASB issued ASU No.2023-01 "Leases (Topic 842): Common Control Arrangements" ("ASU 2023-01") which requires leasehold improvements associated with common control leases be (1) amortized by the lessee over the useful life of the leasehold improvements to the common control group as long as the lessee controls the use of the underlying asset through a lease and (2) accounted for as a transfer between entities under common control through an adjustment to equity if, and when, the lessee no longer controls the use of the underlying asset. ASU 2023-01 is effective for the Company beginning January 1, 2023, 2024, including interim periods in 2023, 2024, with early adoption permitted. The Company does not expect a material impact to its financial position, results of operations, or cash flows from adoption of this guidance.

In October 2023, the FASB issued ASU No.2023-06, "Disclosure Improvements: Codification Amendments in Response to the SEC's Disclosure Update and Simplification Initiative" ("ASU 2023-06") which incorporates certain SEC disclosure requirements into the Accounting Standards Codification. The effective date for each amendment in ASU 2023-06 will be the effective date of the removal of the disclosure requirement from Regulation S-X or Regulation S-K, with early adoption prohibited. The amendments should be applied prospectively. The Company does not expect a material impact to its financial position, results of operations, or cash flows from adoption of this guidance.

In November 2023, the FASB issued ASU No.2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures" ("ASU 2023-07") which requires disclosure of incremental segment information, primarily through enhanced disclosures about significant segment expenses, on an annual and interim basis for all public entities. ASU 2023-07 will be applied retrospectively, and will be effective for the Company's 2024 annual reporting, and for interim periods beginning in 2025, with early adoption permitted. The Company does not expect a material impact to its financial position, results of operations, or cash flows from adoption of this guidance.

In December 2023, the FASB issued ASU No.2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures" ("ASU 2023-09") which improves the transparency, effectiveness, and comparability of income tax disclosures and allows investors to better assess, in their capital allocation decisions, how an entity's worldwide operations and related tax risks and tax planning and operation opportunities affect its income tax rate and prospects for future cash flows. ASU 2023-09 will be applied prospectively, and will be effective for the Company's 2025 annual reporting, with early adoption permitted. The Company is currently assessing the impact of ASU 2023-09 on its disclosures in the notes to the consolidated financial statements.

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3. BUSINESS COMBINATIONS: COMBINATIONS:

Park Environmental Equipment, LLC

On October 5, 2021, the Company completed the acquisition of 100% of Park Environmental Equipment, LLC ("ParkUSA") for a purchase price of \$90.2 million in cash, which is included in the Precast segment for all periods following the acquisition date. ParkUSA is a precast concrete and steel fabrication-based company that develops and manufactures water, wastewater, and environmental solutions. Operations continue with ParkUSA's previous management and workforce at its three Texas manufacturing facilities located in Houston, Dallas, and San Antonio. This strategic acquisition provides a foothold into the water infrastructure technology market. As the Company employs similar operating capabilities at its existing facilities, it intends to explore strategic opportunities to expand ParkUSA's value-added products within the organization.

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The following table summarizes the purchase consideration and fair value of the assets acquired and liabilities assumed as of October 5, 2021 (in thousands):

Assets	
Cash and cash equivalents	\$ 278
Trade and other receivables	11,034
Inventories	12,773
Prepaid expenses and other	293
Property and equipment	8,076
Operating lease right-of-use assets	58,301
Intangible assets	31,000
Deferred income taxes	347
Total assets acquired	122,102

Liabilities

Accounts payable	2,029
Accrued liabilities	4,067
Operating lease liabilities	58,301
Total liabilities assumed	64,397
Goodwill	32,519
Total purchase consideration	\$ 90,224

The tangible and intangible assets acquired and liabilities assumed were recognized based on their estimated fair values on the acquisition date, with the excess purchase consideration recorded as goodwill. As a result of additional information obtained during the measurement period about facts and circumstances that existed as of the acquisition date, the Company recorded measurement period adjustments during the year ended December 31, 2022 which resulted in a \$1.8 million increase in goodwill and purchase consideration related to the settlement of working capital. The measurement period for the ParkUSA acquisition was complete as of September 30, 2022.

The following table summarizes the components of the intangible assets acquired and their estimated useful lives:

	Estimated Useful Life	Fair Value
	(In years)	(In thousands)
Customer relationships	10.0	\$ 19,800
Trade names and trademarks	10.0	9,600
Patents	21.0	1,300
Backlog	0.6	300
Total intangible assets	10.4	\$ 31,000

Goodwill arose from the acquisition of an assembled workforce, expansion of product offerings, and management's industry know-how, and is deductible for tax purposes.

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The Company incurred transaction costs associated with this acquisition of \$0, \$0.1 million, \$3.4 million, and \$0.2 \$3.4 million during the years ended December 31, 2023, 2022 2021, and 2020, 2021, respectively. These transaction costs are included in Selling, general, and administrative expense in the Consolidated Statements of Operations.

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Geneva Pipe and Precast Company

On January 31, 2020, the Company completed the acquisition of 100% of Geneva Pipe and Precast Company ("Geneva") (fka Geneva Pipe Company, Inc.) for a purchase price of \$49.4 million in cash, which is included in the Precast segment for all periods following the acquisition date. Geneva is a concrete pipe and precast concrete products manufacturer based in Utah. This acquisition expanded the Company's water infrastructure product capabilities by adding additional reinforced concrete pipe capacity and a full line of precast concrete products including storm drains and manholes, catch basins, vaults, and curb inlets as well as innovative lined products that extend the life of concrete pipe and manholes for sewer applications. Operations continue with Geneva's previous management and workforce at the three Utah manufacturing facilities located in Salt Lake City, Orem, and St. George.

The following table summarizes the purchase consideration and fair values of the assets acquired and liabilities assumed as of January 31, 2020 (in thousands):

Assets		
Cash and cash equivalents	\$ 691	
Trade and other receivables	7,089	
Inventories	5,673	
Prepaid expenses and other	356	
Property and equipment	9,096	
Operating lease right-of-use assets	21,684	
Intangible assets	11,165	
Total assets acquired	55,754	

Liabilities	
Accounts payable	1,395
Accrued liabilities	1,189
Operating lease liabilities	20,454
Deferred income taxes	5,343
Other long-term liabilities	939
Total liabilities assumed	29,320
 Goodwill	 22,985
 Total purchase consideration	 \$ 49,419

The tangible and intangible assets acquired and liabilities assumed were recognized based on their estimated fair values on the acquisition date, with the excess purchase consideration recorded as goodwill. As a result of additional information obtained during the measurement period about facts and circumstances that existed as of the acquisition date, the Company recorded measurement period adjustments during the three months ended June 30, 2020 which resulted in a \$0.1 million balance sheet reclassification between trade and other receivables and inventories.

The following table summarizes the components of the intangible assets acquired and their estimated useful lives:

	Estimated Useful Life <i>(In years)</i>	Fair Value <i>(In thousands)</i>
Customer relationships	11.0	\$ 8,031
Trade names	10.0	2,093
Backlog	0.9	1,041
Total intangible assets	9.9	\$ 11,165

Goodwill arose from the acquisition of an assembled workforce, expansion of product offerings, and management's industry know-how. The goodwill was not deductible for tax purposes.

The Company incurred transaction costs associated with this acquisition of \$2.6 million during the year ended December 31, 2020. These transaction costs are included in Selling, general, and administrative expense in the Consolidated Statements of Operations.

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Unaudited Pro Forma Disclosures

The following unaudited pro forma summary presents the consolidated results of the Company as if the acquisition of ParkUSA had occurred on January 1, 2020 and the acquisition of Geneva had occurred on January 1, 2019 (in thousands):

	Year Ended December 31,			Year Ended December 31, 2021
			2021	
	2020	2021	2020	
Net sales	\$ 384,872	\$ 356,035	\$ 384,872	
Net income	15,780	20,540	15,780	

This unaudited pro forma consolidated financial data is included only for the purpose of illustration and does not necessarily indicate what the operating results would have been if the acquisitions of ParkUSA and Geneva had occurred on January 1 of the respective year prior to the acquisition. Moreover, this information is not indicative of what the Company's future operating results will be. The information prior to the acquisition is included based on prior accounting records maintained by ParkUSA and Geneva. ParkUSA. The pro forma amounts have been calculated after applying the Company's accounting policies and adjusting the results of ParkUSA and Geneva to reflect the additional depreciation and amortization that would have been charged assuming the fair value adjustments to property and equipment and intangible assets had been applied on January 1 of the respective year prior to the acquisition. Adjustments also include an increase of interest expense as if the Company's debt obtained in connection with the acquisitions of ParkUSA and Geneva had been outstanding since January 1 of the respective year prior to the acquisition. The pro forma results for the year ended December 31, 2020 also include nonrecurring adjustments relating to the recognition of transaction costs incurred and revaluation of inventory acquired. The pro forma results for the year ended December 31, 2021 include nonrecurring adjustments to add back the transaction costs incurred and the expense related to the revaluation of inventory acquired in those periods, since those costs are

reflected in the preceding year on a pro forma basis. The provision for income taxes has also been adjusted for all periods, based upon the foregoing adjustments to historical results.

4. INVENTORIES:

Inventories consist of the following (in thousands):

	December 31,		December 31,	
	2022	2021	2023	2022
Raw materials	\$ 47,978	\$ 44,697	\$ 68,110	\$ 47,978
Work-in-process	5,114	3,018	8,912	5,114
Finished goods	15,773	10,096	11,911	15,773
Supplies	2,164	1,840	2,296	2,164
Total inventories	\$ 71,029	\$ 59,651	\$ 91,229	\$ 71,029

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5. PROPERTY AND EQUIPMENT:

Property and equipment, net consists of the following (in thousands):

	December 31,		December 31,	
	2022	2021	2023	2022
Land and improvements	\$ 23,981	\$ 22,909	\$ 25,064	\$ 23,981
Buildings	51,389	49,361	54,036	51,389
Leasehold improvements	3,182	3,057	3,182	3,182
Machinery and equipment	149,971	140,015	155,278	149,971
Equipment under finance lease	3,849	2,839	8,519	3,849
	232,372	218,181	246,079	232,372
Less accumulated depreciation and amortization	(117,856)	(106,957)	(126,359)	(117,856)
	114,516	111,224	119,720	114,516
Construction in progress	18,650	10,042	24,235	18,650
Property and equipment, net	\$ 133,166	\$ 121,266	\$ 143,955	\$ 133,166

All property and equipment is located in the United States, except for \$19.0 million and \$18.2 million and \$19.9 million of net property and equipment which is located in Mexico as of December 31, 2022 and 2023 and 2021, 2022, respectively.

6. GOODWILL AND INTANGIBLE ASSETS:

Goodwill

The Company has recorded goodwill of \$55.5 million as of December 31, 2023 and 2022 in connection with its business acquisitions within the Precast reportable segment. The changes in the carrying amount of goodwill for the year ended December 31, 2022 were as follows (in thousands):

Goodwill, December 31, 2021	\$ 53,684
Measurement period adjustment (Note 3)	1,820
Goodwill, December 31, 2022	\$ 55,504

The Company performed its annual goodwill impairment test as of November 30, 2022, 2023, utilizing a qualitative analysis, and did not identify any potential impairment. It is possible that future changes in circumstances, judgments, or assumptions, including prolonged economic weakness or unexpected significant declines in Precast operating results or projections, may result in goodwill impairment charges in the future.

Intangible Assets

Intangible assets consist of the following (in thousands):

	Gross Carrying Amount	Accumulated Amortization	Intangible Assets, Net
As of December 31, 2023			
Customer relationships	\$ 27,831	\$ (7,315)	\$ 20,516
Trade names and trademarks	12,825	(3,734)	9,091
Patents	1,627	(160)	1,467
Total	\$ 42,283	\$ (11,209)	\$ 31,074
As of December 31, 2022			
Customer relationships	\$ 29,209	\$ (5,845)	\$ 23,364
Trade names and trademarks	12,825	(2,490)	10,335
Patents	1,627	(81)	1,546
Other	329	(310)	19
Total	\$ 43,990	\$ (8,726)	\$ 35,264
As of December 31, 2021			
Customer relationships	\$ 29,209	\$ (2,997)	\$ 26,212
Trade names and trademarks	12,825	(1,245)	11,580
Patents	1,300	(15)	1,285
Backlog	300	(129)	171
Other	329	(201)	128
Total	\$ 43,963	\$ (4,587)	\$ 39,376

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The estimated amortization expense for each of the next five years and thereafter is as follows (in thousands):

Year ending December 31,			
2023		\$ 4,189	
2024		4,033	\$ 4,033
2025		4,033	4,033
2026		4,033	4,033
2027		4,033	4,033
2028			4,033
Thereafter		14,943	10,909
Total amortization expense		\$ 35,264	\$ 31,074

7. CURRENT DEBT:

In August 2022, the Company entered into an The Interim Funding Agreement ("IFA") dated August 2,2022 with Wells Fargo Equipment Finance, Inc. ("WFEF") allowing, as amended January 23,2023, March 15,2023, July 21,2023, and November 2,2023 (together, the "IFA"), provides for aggregate interim funding advances up to \$13.5 \$10.8 million of equipment purchased for a new reinforced concrete pipe mill, to be converted into a term loan upon final delivery and acceptance of the financed equipment. The IFA bears interest at the Term Secured Overnight Finance Rate ("SOFR") plus 1.75%, requires monthly payments of accrued interest, and grants a security interest in the equipment to WFEF. As of

December 31, 2023 and 2022, the outstanding balance of the IFA was \$10.8 million, which is classified as a current liability since there is not a firm commitment for long-term debt financing. The IFA bore interest at the term Secured Overnight Finance Rate ("SOFR") plus 1.75% as of December 31, 2022. Effective November 2, 2023, the IFA bears interest at the SOFR Average plus 2.00%. As of December 31, 2023 and 2022, the weighted-average interest rate for outstanding borrowings was 7.08% and 5.87%, respectively. The IFA requires monthly payments of accrued interest and grants a security interest in the equipment to WFEF. Effective November 2, 2023, the IFA requires the Company to maintain a consolidated senior leverage ratio no greater than 3.00 to 1.00 (subject to certain exceptions) and a minimum consolidated earnings before interest, taxes, depreciation, and amortization ("EBITDA") (as defined in the IFA) of at least \$35 million for the four consecutive fiscal quarters most recently ended. The Company was in compliance with its financial covenants as of December 31, 2023.

8. CREDIT AGREEMENT:

The Credit Agreement dated June 30, 2021 with Wells Fargo Bank, National Association ("Wells Fargo"), as administrative agent, and the lenders from time to time party thereto, including the initial sole lender, Wells Fargo (the "Lenders"), as amended by the Incremental Amendment dated October 22, 2021, and the Second Amendment to Credit Agreement dated April 29, 2022, and the Third Amendment to Credit Agreement dated June 29, 2023 (together, the "Amended Credit Agreement"), provides for a revolving loan, swingline loan, and letters of credit in the aggregate amount of up to \$125 million ("Revolver Commitment"), with an option for the Company to increase that amount by \$50 million, subject to provisions of the Amended Credit Agreement. The Amended Credit Agreement will expire, and all obligations outstanding will mature, on June 30, 29, 2024. The Company may prepay outstanding amounts in its discretion without penalty at any time, subject to applicable notice requirements. In conjunction with entering into the Credit Agreement on June 30, 2021, the Company terminated the Credit Agreement with Wells Fargo dated October 25, 2018, as amended on January 31, 2020 by the Consent and Amendment No. 1 to Credit Agreement with Wells Fargo (together, the "Former Credit Agreement"), and all outstanding debt under the Former Credit Agreement, including long-term debt, was repaid.

The Amended Credit Agreement contains customary representations and warranties, as well as customary affirmative and negative covenants, events of default, and indemnification provisions in favor of the Lenders. The negative covenants include restrictions regarding the incurrence of liens and indebtedness, annual capital expenditures, certain investments, acquisitions, and dispositions, and other matters, all subject to certain exceptions. The Amended Credit Agreement requires the Company to regularly provide financial information to Wells Fargo and to maintain a consolidated senior leverage ratio no greater than 2.50 to 1.00 (subject to certain exceptions) and a minimum consolidated earnings before interest, taxes, depreciation, and amortization EBITDA (as defined in the Amended Credit Agreement) of at least \$31.5 million for the four consecutive fiscal quarters most recently ended. Pursuant to the Amended Credit Agreement, the Company has also agreed that it will not sell, assign, or otherwise dispose or encumber, any of its owned real property. The occurrence of an event of default could result in the acceleration of the obligations under the Amended Credit Agreement. The Company was in compliance with its financial covenants as of December 31, 2022.

The Company's obligations under the Amended Credit Agreement are secured by a senior security interest in substantially all of the Company's and its subsidiaries' assets.

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Interest expense from revolving loan borrowings, current debt, long-term debt, and finance leases was \$3.6 million, net of amounts capitalized of \$0.5 million in 2023, \$3.6 million, net of a nominal amount capitalized in 2022, and \$1.2 million, net of amounts capitalized of \$0.1 million in 2021, and \$0.9 million, net of amounts capitalized of \$0.1 million in 2020. A nominal amount of interest was capitalized in 2022, 2021.

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Line of Credit (Revolving and Swingline Loans)

As of December 31, 2023 under the Amended Credit Agreement, the Company had \$54.5 million of outstanding revolving loan borrowings, \$1.1 million of outstanding letters of credit, and additional borrowing capacity of approximately \$69 million. As of December 31, 2022 under the Amended Credit Agreement, the Company had \$83.7 million of outstanding revolving loan borrowings \$1.1 million of outstanding letters of credit, and additional borrowing capacity of approximately \$40 million. As of December 31, 2021 under the Amended Credit Agreement, the Company had \$86.8 million of outstanding revolving loan borrowings and \$1.6 million of outstanding letters of credit. Revolving loans under the Amended Credit Agreement bear interest at rates related to, at the Company's option and subject to the provisions of the Amended Credit Agreement, either: (i) Base Rate (as defined in the Amended Credit Agreement) plus the Applicable Margin; (ii) Adjusted Term SOFR (as defined in the Amended Credit Agreement) plus the Applicable Margin; or (iii) Adjusted Daily Simple SOFR (as defined in the Amended Credit Agreement) plus the Applicable Margin. The "Applicable Margin" is 1.75% to 2.35%, depending on the Company's Consolidated Senior Leverage Ratio (as defined in the Amended Credit Agreement) and the interest rate option chosen. Interest on outstanding revolving loans is payable monthly. Swingline loans under the Amended Credit Agreement bear interest at the Base Rate plus the Applicable Margin. As of December 31, 2022, the weighted-average interest rate for outstanding borrowings was 6.07% 7.43% and 1.85% 6.07%, respectively. The Amended Credit Agreement requires the payment of a commitment fee of between 0.30% and 0.40%, based on the amount by which the Revolver Commitment exceeds the average daily balance of outstanding borrowings (as defined in the Amended Credit Agreement). Such fee is payable monthly in arrears. The Company is also obligated to pay additional fees customary for credit facilities of this size and type.

9. LEASES:

The following table summarizes the Company's leases recorded on the Consolidated Balance Sheets (in thousands):

	December 31,		December 31,	
	2022	2021	2023	2022
Right-of-use assets:				
Finance leases, net, included in Property and equipment (1)	\$ 2,618	\$ 1,730	\$ 7,092	\$ 2,618
Operating leases	93,124	98,507	88,155	93,124
Total right-of-use assets	\$ 95,742	\$ 100,237	\$ 95,247	\$ 95,742
Lease liabilities:				
Finance leases	\$ 3,037	\$ 2,169	\$ 7,481	\$ 3,037
Operating leases	94,174	98,429	90,216	94,174
Total lease liabilities	\$ 97,211	\$ 100,598	\$ 97,697	\$ 97,211

(1) Finance lease right-of-use assets are presented net of accumulated amortization of \$1.2 million and \$1.1 million as of December 31, 2022 and 2021, respectively.

Lease cost consists of the following (in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Finance lease cost:						
Amortization of right-of-use assets	\$ 577	\$ 413	\$ 422	\$ 795	\$ 577	\$ 413
Interest on lease liabilities	148	90	79	266	148	90
Operating lease cost	7,770	4,627	3,647	7,765	7,770	4,627
Short-term lease cost	1,000	993	745	1,402	1,000	993
Variable lease cost	251	158	199	313	251	158
Total lease cost	\$ 9,746	\$ 6,281	\$ 5,092	\$ 10,541	\$ 9,746	\$ 6,281

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The future maturities of lease liabilities as of December 31, 2023 are as follows (in thousands):

	Finance Leases		Operating Leases		Finance	Operating
					Leases	Leases
2023	\$ 654	\$ 6,710				
2024	968	6,538	\$ 2,212	\$ 6,874		
2025	725	6,565	1,923	6,913		
2026	666	6,465	1,847	6,583		
2027	434	6,187	1,614	6,192		
2028			1,147	6,308		
Thereafter	-	82,759	-	76,453		
Total lease payments	3,447	115,224	8,743	109,323		
Amount representing interest	(410)	(21,050)	(1,262)	(19,107)		
Present value of lease liabilities	3,037	94,174	7,481	90,216		
Current portion of lease liabilities (1)	(502)	(4,702)	(1,721)	(4,933)		
Long-term lease liabilities (2)	\$ 2,535	\$ 89,472	\$ 5,760	\$ 85,283		

(1) Current portion of finance lease liabilities are included in Accrued liabilities.

(2) Long-term finance lease liabilities, less current portion are included in Other long-term liabilities.

The following table summarizes the lease terms and discount rates for the lease liabilities:

	December 31,		December 31,	
	2022	2021	2023	2022
<i>Weighted-average remaining lease term (years)</i>				
Finance leases	3.52	3.56	3.90	3.52
Operating leases	17.83	18.42	16.73	17.83
<i>Weighted-average discount rate</i>				
Finance leases	5.44 %	5.10 %	6.93 %	5.44 %
Operating leases	2.19 %	2.18 %	2.17 %	2.19 %

The following table presents other information related to the operating and finance leases (in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
<i>Cash paid for amounts included in the measurement of lease liabilities:</i>						
Operating cash flows from finance leases	\$ (148)	\$ (90)	\$ (79)	\$ (266)	\$ (148)	\$ (90)
Operating cash flows from operating leases	(6,818)	(4,142)	(3,481)	(6,930)	(6,818)	(4,142)
Financing cash flows from finance leases	(597)	(415)	(420)	(826)	(597)	(415)
Right-of-use assets obtained in exchange for finance lease liabilities	1,466	853	507	5,270	1,466	853
Right-of-use assets obtained in exchange for operating lease liabilities	568	16,043	4,471	952	568	16,043

10. FAIR VALUE MEASUREMENTS:

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability, in the principal or most advantageous market for the asset or liability, in an orderly transaction between market participants at the measurement date.

The authoritative guidance establishes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value into three broad levels. These levels are: Level 1 (inputs are quoted prices in active markets for identical assets or liabilities); Level 2 (inputs are other than quoted prices that are observable, either directly or indirectly through corroboration with observable market data); and Level 3 (inputs are unobservable, with little or no market data that exists, such as internal financial forecasts). The Company is required to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value.

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The following table summarizes information regarding the Company's financial assets and liabilities that are measured at fair value on a recurring basis (in thousands):

	Total	Level 1	Level 2	Level 3
<i>As of December 31, 2023</i>				
<i>Financial assets:</i>				
Deferred compensation plan	\$ 3,912	\$ 3,391	\$ 521	\$ -
Foreign currency forward contracts	42	-	42	-
Interest rate swaps	326	-	326	-
Total financial assets	\$ 4,280	\$ 3,391	\$ 889	\$ -
<i>Financial liabilities:</i>				
Foreign currency forward contracts	\$ (115)	\$ -	\$ (115)	\$ -

As of December 31, 2022

Financial assets:												
Deferred compensation plan	\$ 3,587	\$ 3,090	\$ 497	\$ -	\$ 3,587	\$ 3,090	\$ 497	\$ -				
Foreign currency forward contracts	728	-	728	-	728	-	728	-				
Interest rate swaps	862	-	862	-	862	-	862	-				
Total financial assets	<u>\$ 5,177</u>	<u>\$ 3,090</u>	<u>\$ 2,087</u>	<u>\$ -</u>	<u>\$ 5,177</u>	<u>\$ 3,090</u>	<u>\$ 2,087</u>	<u>\$ -</u>				
Financial liabilities:												
Foreign currency forward contracts	\$ (80)	\$ -	\$ (80)	\$ -	\$ (80)	\$ -	\$ (80)	\$ -				

As of December 31, 2021

Financial assets:												
Deferred compensation plan	\$ 4,321	\$ 3,830	\$ 491	\$ -	\$ 4,321	\$ 3,830	\$ 491	\$ -				
Foreign currency forward contracts	17	-	17	-	17	-	17	-				
Total financial assets	<u>\$ 4,338</u>	<u>\$ 3,830</u>	<u>\$ 508</u>	<u>\$ -</u>	<u>\$ 4,338</u>	<u>\$ 3,830</u>	<u>\$ 508</u>	<u>\$ -</u>				
Financial liabilities:												
Foreign currency forward contracts	\$ (661)	\$ -	\$ (661)	\$ -	\$ (661)	\$ -	\$ (661)	\$ -				

The deferred compensation plan assets consist of cash and several publicly traded stock and bond mutual funds, valued using quoted market prices in active markets, classified as Level 1 within the fair value hierarchy, as well as guaranteed investment contracts, valued at principal plus interest credited at contract rates, classified as Level 2 within the fair value hierarchy. Deferred compensation plan assets are included within Other assets in the Consolidated Balance Sheets.

The foreign currency forward contracts and interest rate swaps are derivatives valued using various pricing models or discounted cash flow analyses that incorporate observable market parameters, such as interest rate yield curves and currency rates, and are classified as Level 2 within the fair value hierarchy. Derivative valuations incorporate credit risk adjustments that are necessary to reflect the probability of default by the counterparty or the Company. The foreign currency forward contracts and interest rate swaps are presented at their gross fair values. Foreign currency forward contract and interest rate swap assets are included within Prepaid expenses and other and foreign currency forward contract liabilities are included within Accrued liabilities in the Consolidated Balance Sheets.

The net carrying amounts of cash and cash equivalents, trade and other receivables, accounts payable, accrued liabilities, and current debt and borrowings on the line of credit approximate fair value due to the short-term nature of these instruments. The net carrying amount of the borrowings on the line of credit approximates fair value due to its variable interest rate based on market.

11. DERIVATIVE INSTRUMENTS AND HEDGING ACTIVITIES:

For each derivative entered into in which the Company seeks to obtain cash flow hedge accounting treatment, the Company formally documents all relationships between hedging instruments and hedged items, as well as its risk management objective and strategy for undertaking the hedge transaction, the nature of the risk being hedged, how the hedging instrument's effectiveness in offsetting the hedged risk will be assessed prospectively and retrospectively, and a description of the method of measuring ineffectiveness. This process includes linking all derivatives to specific firm commitments or forecasted transactions and designating the derivatives as cash flow hedges. The Company also formally assesses, both at the hedge's inception and on an ongoing basis, whether the derivatives that are used in hedging transactions are highly effective in offsetting changes in cash flows of hedged items. The effective portion of these hedged items is reflected in Unrealized gain (loss) on cash flow hedges on the Consolidated Statements of Comprehensive Income. If it is determined that a derivative is not highly effective, or that it has ceased to be a highly effective hedge, the Company is required to discontinue hedge accounting with respect to that derivative prospectively.

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As of December 31, 2022, 2023, the total notional amount of the foreign currency forward contracts was \$17.1 million (CAD\$23.2 million) and \$1.1 million (EUR\$1.1 million), which included \$0.3 million (CAD\$0.4 million) and \$1.2 million (EUR€1.1 million) of foreign currency forward contracts not designated as cash flow hedges. As of December 31, 2021, 2022, the total notional amount of the foreign currency forward contracts was \$19.0 million (CAD\$24.1 million) and \$1.1 million (EUR€1.1 million), and all which included \$0.3 million (CAD\$0.4 million) of foreign currency forward contracts were not designated as cash flow hedges. As of December 31, 2022, 2023, the Company's foreign currency forward contracts mature at various dates through October 2023 April 2025 and are subject to an enforceable master netting arrangement.

As of December 31, 2022, the Company has entered into interest rate swap, swaps which effectively converts convert a portion of the Company's its variable-rate debt to fixed-rate debt, was and are designated as cash flow hedge, hedges. The Company receives floating interest payments monthly based on the SOFR and pays a fixed rate of 1.941% to the counterparty. As counterparty on the total notional amount of \$6.7 million and \$26.7 million as of December 31, 2023 and 2022 the total notional amount was \$26.7 million, respectively, which amortizes ratably on a monthly basis to zero by the April 2024 maturity date.

On August 9, 2022, the Company entered into an interest rate swap transaction which will begin began April 3, 2023 2023. at The Company receives floating interest payments monthly based on the SOFR Average 30 day and pays a fixed rate of 2.96% to the counterparty on the total notional amount of \$15.0 \$13.0 million as of December 31, 2023, which will amortize amortizes ratably on a monthly basis to zero by the April 2028 maturity date. The Company will receive floating interest payments monthly based on the 30 day Average SOFR and will pay a fixed rate of 2.96% to the counterparty.

The following table summarizes the gains (losses) recognized on derivatives de-designated or not designated as hedging instruments in the Consolidated Financial Statements (in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Foreign currency forward contracts:						
Net sales	\$ 660	\$ 9	\$ (601)	\$ (708)	\$ 660	\$ 9
Property and equipment	(680)	-	-	(109)	(680)	-
Interest rate swaps:						
Interest expense	39	-	-	719	39	-
Total	\$ 19	\$ 9	\$ (601)	\$ (98)	\$ 19	\$ 9

As of December 31, 2022, 2023, unrealized pretax gains (losses) on outstanding cash flow hedges in Accumulated other comprehensive loss was \$1.0 \$0.3 million, of which \$0.2 million, \$(0.1) million, approximately \$0 and \$0.7 \$0.3 million are expected to be reclassified to Net sales Property and equipment, and Interest expense, respectively, within the next twelve months as a result of underlying hedged transactions also being recorded in these line items. See Note 18 "Accumulated Other Comprehensive Loss" for additional quantitative information regarding foreign currency forward contract and interest rate swap gains and losses.

12. STOCKHOLDERS'EQUITY:

At-the-Market Offering

On September 2, 2022, the Company entered into an Open Market Sale Agreement (the "At-the-Market Offering") with Jefferies LLC ("Jefferies"), pursuant to which provided for the Company may issue issuance and sell sale of shares of its common stock, par value \$0.01 per share, having aggregate offering sales proceeds of up to \$50 million (the "Shares") from time to time through Jefferies as its sales agent. The Company On may October sell the Shares in amounts and at times to be determined by 30,2023, the Company from time to time subject to provided written notice terminating the terms and conditions of the At-the-Market Offering, but it has no obligation to sell any of the Shares under the At-the-Market Offering. The Shares to be sold under the At-the-Market Offering, if any, will be offered and sold pursuant to the Company's shelf registration statement on Form S-3 (File No.333-249637) filed Open Market Sale Agreement in accordance with the Securities and Exchange Commission, which became effective on November 3, 2020, and the prospectus supplement dated September 2, 2022 filed by the Company. The Company will pay Jefferies a cash commission of up to 3.0% of gross proceeds from the sale of the Shares pursuant to the At-the-Market Offering. The Company has also agreed to provide Jefferies with customary indemnification and contribution rights, its terms. No proceeds were raised under the At-the-Market Offering during the years ended December 31, 2023 or 2022.

Share Repurchase Program

On November 2, 2023, the Company announced its authorization of a share repurchase program of up to \$30 million of its outstanding common stock. The program does not commit to any particular timing or quantity of purchases, and the program may be suspended or discontinued at any time. Under the program, shares may be purchased in open market, including through Rule 10b5-1 of the Securities Exchange Act of 1934, as amended, or in privately negotiated transactions administered by its broker, D.A. Davidson Companies. At this time, the Company has elected to limit its share repurchase transactions to only those under the Rule 10b5-1 trading plan it executed in November 2023, which the Company believes considers its liquidity, including availability of borrowings and covenant compliance under the Amended Credit Agreement, and other capital allocation priorities of the business. The Company's Rule 10b5-1 trading plan designates up to \$10 million for repurchases and provides for daily share repurchases that fluctuate with changes in the trading price of its common stock.

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During the year ended December 31, 2022, 2023, the Company repurchased approximately 29,000 shares of the Company's common stock for an aggregate amount of \$0.8 million. As of December 31, 2023, \$29.2 million of the share repurchase authorization remained available for repurchases under this program. There were no share repurchases authorized

during the years ended December 31, 2022 or 2021.

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13. RETIREMENT PLANS:

Defined Contribution Plan

The Company has a defined contribution retirement plan that covers substantially all of its employees and provides for a Company match of up to 50% of the first 8% of employee contributions to the plan, subject to certain limitations. The defined contribution retirement plan offers 25 investment options.

ParkUSA had a defined contribution retirement plan that covered substantially all of its employees and provided for a match of up to 100% of the first 4% of employee contributions to the plan, subject to certain limitations. After the acquisition of ParkUSA on October 5, 2021, employees of ParkUSA continued to contribute to this plan until it was merged into the Company's plan effective December 31, 2021.

Defined Benefit Plans

The Company has two noncontributory defined benefit plans. Effective 2001, both plans were frozen and participants were fully vested in their accrued benefits as of the date each plan was frozen. No additional participants can be added to the plans and no additional service can be earned by participants subsequent to the date the plans were frozen. The funding policy for both of these plans is based on current plan costs plus amortization of the unfunded plan liability.

As of December 31, 2022, 2023 and 2021, 2022, the Company had recorded, in accordance with the actuarial valuations, an accrued pension asset (liability) of \$0.1 \$0.5 million and \$(1.0) \$0.1 million, respectively, in Other long-term assets, and Other long-term liabilities, respectively, and an unrecognized actuarial loss, net of tax, of \$1.2 million and \$1.5 million, in both 2022 and 2021, respectively, in Accumulated other comprehensive loss. Additionally, as of December 31, 2022, 2023 and 2021, 2022, the projected and accumulated benefit obligation was \$4.8 \$4.6 million and \$6.1 \$4.8 million, respectively, and the fair value of plan assets was \$4.9 \$5.1 million and \$5.1 \$4.9 million, respectively.

The net periodic benefit cost was approximately \$0, \$0.1 million, and \$0.1 million for each of the years ended December 31, 2023, 2022, and 2021 and approximately \$0 for the year ended December 31, 2020, respectively. The weighted-average discount rates used to measure the projected benefit obligation were 4.89% 4.69% and 2.41% 4.89% as of December 31, 2022, 2023 and 2021, 2022, respectively.

The plan assets are invested in pooled separate accounts stated at fair value based on the daily net asset value of the account and are therefore not categorized in the fair value hierarchy. The expected weighted-average long-term rate of return on plan assets was 7.0% 7.00% as of December 31, 2022, 2023 and 2021, 2022.

Non-qualified Retirement Savings Plan

The Company has a deferred compensation plan that covered officers and selected highly compensated employees until it was frozen in 2016. As of December 31, 2022, 2023 and 2021, 2022, deferred compensation plan balances of \$3.6 \$3.9 million and \$4.3 \$3.6 million, respectively, were recorded in Other assets and Other long-term liabilities.

Total expense for all retirement plans for the years ended December 31, 2023, 2022, and 2021 and 2020 was \$2.5 million, \$2.2 million, \$1.8 million, and \$1.6 \$1.8 million, respectively, and is primarily related to the defined contribution plan.

14. SHARE-BASED COMPENSATION:

The Company has one active stock incentive plan for employees and directors, the 2022 Stock Incentive Plan, which provides for awards of stock options to purchase shares of common stock, stock appreciation rights, restricted and unrestricted shares of common stock, RSUs, and PSAs. In addition, the Company has one inactive stock incentive plan, the 2007 Stock Incentive Plan, under which previously granted awards remain outstanding.

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The following table summarizes share-based compensation expense recorded (in thousands):

Year Ended December 31,	Year Ended December 31,
-------------------------	-------------------------

	2022	2021	2020	2023	2022	2021
Cost of sales	\$ 1,320	\$ 1,003	\$ 822	\$ 1,027	\$ 1,320	\$ 1,003
Selling, general, and administrative expense	2,382	2,213	2,266	2,645	2,382	2,213
Total	\$ 3,702	\$ 3,216	\$ 3,088	\$ 3,672	\$ 3,702	\$ 3,216

There were **873,402** 722,573 shares of common stock available for future issuance under the Company's stock incentive plan as of December 31, **2022**, **2023**, assuming the outstanding PSAs vest at the target level of 100%.

Stock Options Awards

The Company's stock incentive plan provides that options become exercisable according to vesting schedules and terminate according to the terms of the grant. There were no options granted during the years ended December 31, 2022, 2021, or 2020. During the year ended December 31, 2020, 24,000 stock options at a weighted-average exercise price of \$24.15 were exercised. The total intrinsic value of options exercised during the year ended December 31, 2020 was \$0.1 million. There were no options exercised during the years ended December 31, 2022 or 2021. As of December 31, 2022 and 2021, there were no stock options outstanding.

Restricted Stock Units and Performance Share Awards

The Company's stock incentive plan provides for equity instruments, such as RSUs and PSAs, which grant the right to receive a specified number of shares at specified times. RSUs and PSAs are service-based awards that vest according to the terms of the grant. PSAs have performance-based payout conditions.

The following table summarizes the Company's RSU and PSA activity:

	Number of RSUs and PSAs (1)	Weighted-Average Grant Date Fair Value	Number of RSUs and PSAs (1)	Weighted-Average Grant Date Fair Value
Unvested RSUs and PSAs as of December 31, 2021	161,131	\$ 30.26		
Unvested RSUs and PSAs as of December 31, 2022			200,924	\$ 30.80
RSUs and PSAs granted	116,622	30.68	134,498	28.41
Unvested RSUs and PSAs canceled	(8,248)	31.18	(13,589)	30.82
RSUs and PSAs vested (2)	(68,581)	29.29	(95,442)	30.12
Unvested RSUs and PSAs as of December 31, 2022	200,924	30.80		
Unvested RSUs and PSAs as of December 31, 2023			226,391	29.66

(1) The number of PSAs disclosed in this table are at the target level of 100%.

(2) For the PSAs vested on March 31, **2022**, **2023**, the actual number of common shares that were issued was determined by multiplying the PSAs at the target level of 100%, as disclosed in this table, by a payout percentage based on the performance-based conditions achieved. The payout percentage was **141%** **159%** for the 2020-2022 performance period, **126%** for the **2021-2022** performance period, and **93%** **132%** for the **2021-2022** performance period.

The unvested balance of RSUs and PSAs as of December 31, **2022**, **2023** includes approximately **149,000** 170,000 PSAs at the target level of 100%. The vesting of these awards is subject to the achievement of specified performance-based conditions, and the actual number of common shares that will ultimately be issued will be determined by multiplying this number of PSAs by a payout percentage ranging from 0% to 200%.

The weighted-average grant date fair value of RSUs and PSAs granted during the years ended December 31, **2023**, **2022**, and **2021** was \$28.41, \$30.68, and **2020** was \$30.68, \$33.30, and \$26.61, respectively. The total fair value of RSUs and PSAs vested during the years ended December 31, **2023**, **2022**, and **2021** and **2020** was \$4.4 million, \$2.4 million, \$3.3 million, and \$2.0 \$3.3 million, respectively.

Based on the estimated level of achievement of the performance targets associated with the PSAs as of December 31, **2022**, **2023**, unrecognized compensation expense related to the unvested portion of the Company's RSUs and PSAs was **\$3.5** **\$3.0** million, which is expected to be recognized over a weighted-average period of 1.5 years.

For the years ended December 31, 2023, 2022, and 2021 and 2020, stock awards of 15,904 shares, 11,380 shares, 12,606 shares, and 17,442 12,606 shares, respectively, were granted to non-employee directors, which vested immediately upon issuance. The Company recorded compensation expense based on the weighted-average fair market value per share of the awards on the grant date of \$29.51 in 2023, \$30.75 in 2022, and \$30.94 in 2021 and \$25.81 in 2020.

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15. COMMITMENTS AND CONTINGENCIES:

Portland Harbor Superfund Site

In December 2000, a section of the lower Willamette River known as the Portland Harbor Superfund Site was included on the National Priorities List at the request of the United States Environmental Protection Agency ("EPA"). While the Company's Portland, Oregon manufacturing facility does not border the Willamette River, an outfall from the facility's stormwater system drains into a neighboring property's privately owned stormwater system and slip. Also in December 2000, the Company was notified by the EPA and the Oregon Department of Environmental Quality ("ODEQ") of potential liability under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"). A remedial investigation and feasibility study of the Portland Harbor Superfund Site was directed by a group of 14 potentially responsible parties known as the Lower Willamette Group under agreement with the EPA. The EPA finalized the remedial investigation report in February 2016, and the feasibility study in June 2016, which identified multiple remedial alternatives. In January 2017, the EPA issued its Record of Decision selecting the remedy for cleanup at the Portland Harbor Superfund Site, which it believes will cost approximately \$1 billion at net present value and 13 years to complete. The EPA has not yet determined who is responsible for the costs of cleanup or how the cleanup costs will be allocated among the more than 150 potentially responsible parties ("PRPs"). Because of the large number of potentially responsible parties and the variability in the range of remediation alternatives, the Company is unable to estimate an amount or an amount within a range of costs for its obligation with respect to the Portland Harbor Superfund Site matters, and no further adjustment to the Consolidated Financial Statements has been recorded as of the date of this filing.

The ODEQ is separately providing oversight of voluntary investigations and source control activities by the Company involving the Company's site, which are focused on controlling any current "uplands" releases of contaminants into the Willamette River. No liabilities have been established in connection with these investigations because the extent of contamination and the Company's responsibility for the contamination have not yet been determined.

Concurrent with the activities of the EPA and the ODEQ, the Portland Harbor Natural Resources Trustee Council ("Trustees") sent some or all of the same parties, including the Company, a notice of intent to perform a Natural Resource Damage Assessment ("NRDA") for the Portland Harbor Superfund Site to determine the nature and extent of natural resource damages under CERCLA Section 107. The Trustees for the Portland Harbor Superfund Site consist of representatives from several Northwest Indian Tribes, three federal agencies, and one state agency. The Trustees act independently of the EPA and the ODEQ. The Trustees have encouraged potentially responsible parties to voluntarily participate in the funding of their injury assessments and several of those parties have agreed to do so. In June 2014, the Company agreed to participate in the injury assessment process, which included funding \$0.4 million of the assessment. The Company has not assumed any additional payment obligations or liabilities with the participation with the NRDA, nor does the Company expect to incur significant future costs in the resolution of the NRDA.

In January 2017, the Confederated Tribes and Bands of the Yakama Nation, a Trustee until they withdrew from the council in 2009, filed a complaint against the potentially responsible parties including the Company to recover costs related to their own injury assessment and compensation for natural resources damages. The case has been stayed until January 2025, and the Company does not have sufficient information at this time to determine the likelihood of a loss in this matter or the amount of damages that could be allocated to the Company.

The Company has insurance policies for defense costs, as well as indemnification policies it believes will provide reimbursement for the remediation assessed. However, the Company can provide no assurance that those policies will cover all of the costs which the Company may incur.

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All Sites

The Company operates its facilities under numerous governmental permits and licenses relating to air emissions, stormwater runoff, and other environmental matters. The Company's operations are also governed by many other laws and regulations, including those relating to workplace safety and worker health, principally the Occupational Safety and Health Act and regulations there under thereunder which, among other requirements, establish noise and dust standards. The Company believes it is in material compliance with its permits and licenses and these laws and regulations, and the Company does not believe that future compliance with such laws and regulations will have a material adverse effect on its financial position, results of operations, or cash flows.

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Other Contingencies and Legal Proceedings

From time to time, the Company is party to a variety of legal actions, including claims, suits, complaints, and investigations arising out of the ordinary course of its business. The Company maintains insurance coverage against potential claims in amounts that are believed to be adequate. To the extent that insurance does not cover legal, defense, and indemnification costs associated with a loss contingency, the Company records accruals when such losses are considered probable and reasonably estimable. The Company believes that it is not presently a party to legal actions, the outcomes of which would have a material adverse effect on its business, financial condition, results of operations, or cash flows.

On April 21, 2019, there was an accidental fire at the Company's Saginaw, Texas facility which resulted in damage to the coatings building. There were no injuries, but the ability to coat at this facility was impaired while the Company repaired the damage. The Company's other production locations were deployed to absorb the lost production that resulted. The Company has insurance coverage in place covering, among other things, business interruption and property damage up to certain specified amounts, and worked with its insurance company to restore the facility to full service as safely and quickly as possible. The Saginaw facility resumed operations in October 2019. The Company received \$1.4 million of business interruption insurance recovery (net of incremental production costs) during the year ended December 31, 2020 which was recorded in Cost of sales.

Commitments

As of December 31, 2022, the Company's commitments include approximately \$1.1 million remaining relating to its investment in the primary component of the new reinforced concrete pipe mill for which the Company has not yet received the equipment and approximately \$5.2 million remaining relating to the construction of a building for the new mill at the Company's facility in Salt Lake City, Utah.

Guarantees

The Company has entered into certain letters of credit that total \$1.1 million as of December 31, 2022. The letters of credit relate to workers' compensation insurance.

16. REVENUE:

Net sales by geographic region, based on the location of the customer, were as follows (in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Net sales by geographic region:						
United States	\$ 423,961	\$ 313,729	\$ 254,956	\$ 420,925	\$ 423,961	\$ 313,729
Canada	33,704	19,584	30,951	23,430	33,704	19,584
Total	\$ 457,665	\$ 333,313	\$ 285,907	\$ 444,355	\$ 457,665	\$ 333,313

One SPP customer accounted for 12%, 10%, 12%, and 16% of total net sales for the years ended December 31, 2023, 2022, and 2021 and 2020, respectively. No Precast customer accounted for more than 10% of total net sales for the years ended December 31, 2023, 2022, and 2021 and 2020.

Revisions Net revisions in contract estimates resulted in an increase (decrease) in SPP net sales of \$(0.6) (\$1.1) million, \$2.0 (\$0.6) million, and \$2.2 \$2.0 million for the years ended December 31, 2023, 2022, and 2021 and 2020, respectively.

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Disaggregation of Revenue

The following table disaggregates revenue by recognition over time or at a point in time, as the Company believes it best depicts how the nature, amount, timing, and uncertainty of its revenue and cash flows are affected by economic factors (in thousands):

	Year Ended December 31,		
	2022	2021	2020
Over time (Engineered Steel Pressure Pipe)			
Over time (Engineered Steel Pressure Pipe)	\$ 307,572	\$ 259,823	\$ 241,690
Point in time (Precast Infrastructure and Engineered Systems)			
Point in time (Precast Infrastructure and Engineered Systems)	150,093	73,490	44,217
Net sales	\$ 457,665	\$ 333,313	\$ 285,907
Year Ended December 31,			

	2023	2022	2021
Over time	\$ 296,381	\$ 307,572	\$ 259,823
Point in time	147,974	150,093	73,490
Net sales	<u><u>\$ 444,355</u></u>	<u><u>\$ 457,665</u></u>	<u><u>\$ 333,313</u></u>

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Contract Assets and Contract Liabilities

The difference between the opening and closing balances of the Company's contract assets and contract liabilities primarily results from the timing difference between the Company's performance and billings. The changes in the contract assets and contract liabilities balances during the years ended December 31, 2022, 2021, and 2020 were not materially affected by any other factors.

The Company recognized revenue that was included following is a summary of the changes in contract assets (in thousands):

	December 31,	
	2023	2022
Balance, beginning of year	\$ 121,778	\$ 107,170
Revenue recognized in advance of billings	291,812	306,095
Billings	(293,356)	(294,506)
Other	282	3,019
Balance, end of year	<u><u>\$ 120,516</u></u>	<u><u>\$ 121,778</u></u>

The following is a summary of the changes in contract liabilities balance at the beginning of each period of \$2.7 million, \$6.2 million, and \$12.3 million during the years ended December 31, 2022, 2021, and 2020, respectively. (in thousands):

	December 31,	
	2023	2022
Balance, beginning of year	\$ 17,456	\$ 2,623
Billings	20,815	17,618
Revenue recognized	(16,984)	(2,663)
Other	163	(122)
Balance, end of year	<u><u>\$ 21,450</u></u>	<u><u>\$ 17,456</u></u>

Backlog

Backlog represents the balance of remaining performance obligations under signed contracts for SPP water infrastructure steel pipe products for which revenue is recognized over time. As of December 31, 2022, 2023, backlog was \$274 \$273 million. The Company expects to recognize approximately 66% 76% of the remaining performance obligations in 2023 2024, 23% in 2025, and 34% in 2024, the balance thereafter.

17. INCOME TAXES:

The United States and foreign components of Income before income taxes are as follows (in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
United States	\$ 40,271	\$ 14,000	\$ 24,768	\$ 27,814	\$ 40,271	\$ 14,000
Foreign	1,079	1,158	866	1,465	1,079	1,158
Total	<u><u>\$ 41,350</u></u>	<u><u>\$ 15,158</u></u>	<u><u>\$ 25,634</u></u>	<u><u>\$ 29,279</u></u>	<u><u>\$ 41,350</u></u>	<u><u>\$ 15,158</u></u>

The components of Income tax expense are as follows (in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Current:						
Federal	\$ 8,443	\$ 2,256	\$ 958	\$ 6,817	\$ 8,443	\$ 2,256
State	1,264	1,064	1,342	1,519	1,264	1,064
Foreign	198	213	243	289	198	213
Total current income tax expense	9,905	3,533	2,543	8,625	9,905	3,533
Deferred:						
Federal	(22)	573	4,380	(612)	(22)	573
State	340	(464)	(386)	195	340	(464)
Foreign	(22)	(7)	47	(1)	(22)	(7)
Total deferred income tax expense	296	102	4,041			
Total deferred income tax expense (benefit)				(418)	296	102
Total income tax expense	\$ 10,201	\$ 3,635	\$ 6,584	\$ 8,207	\$ 10,201	\$ 3,635

The difference between the Company's effective income tax rate and the federal statutory income tax rate is explained as follows (dollar amounts in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Income tax expense at federal statutory rate						
State expense, net of federal income tax effect	\$ 8,683	\$ 3,183	\$ 5,383	\$ 6,148	\$ 8,683	\$ 3,183
Change in valuation allowance	1,463	547	953	942	1,463	547
Nondeductible expenses	(1)	(247)	(181)	(30)	(1)	(247)
Foreign rate differential	(35)	(31)	447	257	(35)	(31)
Accrued interest on uncertain income tax positions	97	104	78	133	97	104
State franchise tax				264	106	16
Other	(6)	79	(96)	243	(222)	(29)
Income tax expense	\$ 10,201	\$ 3,635	\$ 6,584	\$ 8,207	\$ 10,201	\$ 3,635
Effective income tax rate	24.7%	24.0%	25.7%	28.0%	24.7%	24.0%

The income tax effect of temporary differences that give rise to significant portions of deferred income tax assets and liabilities is presented below (in thousands):

	December 31,		December 31,	
	2022	2021	2023	2022
Deferred income tax assets:				
Accrued employee benefits	\$ 3,840	\$ 3,125	\$ 3,096	\$ 3,840
Inventories	350	30	380	350
Trade receivable, net	329	833	532	329
Net operating loss carryforwards	2,944	3,099	3,429	2,944
Tax credit carryforwards	2,863	2,888	2,777	2,863
Contract assets, net	403	313	934	403
Other	1,074	984	1,952	1,074
Valuation allowance	11,803	11,272	13,100	11,803
	(6,051)	(5,899)	(6,641)	(6,051)

Deferred income tax liabilities:

	5,752	5,373	6,459	5,752
Property and equipment	(13,550)	(12,937)	(13,850)	(13,550)
Intangible assets	(1,319)	(1,902)	(800)	(1,319)
Goodwill	(606)	(129)	(1,164)	(606)
Prepaid expenses	(1,285)	(1,005)	(1,217)	(1,285)
	(16,760)	(15,973)	(17,031)	(16,760)
Net deferred income tax liabilities	\$ (11,008)	\$ (10,600)	\$ (10,572)	\$ (11,008)

Amounts are presented in the Consolidated Balance Sheets as follows:

Deferred income tax assets, included in Other assets	\$ 394	\$ 384	\$ 370	\$ 394
Deferred income taxes	(11,402)	(10,984)	(10,942)	(11,402)
Net deferred income tax liabilities	\$ (11,008)	\$ (10,600)	\$ (10,572)	\$ (11,008)

In assessing the ability to realize deferred income tax assets, management considers whether it is more likely than not that some portion or all of the deferred income tax assets will not be realized. The ultimate realization of deferred income tax assets is dependent upon the generation of future taxable income during the periods in which those temporary differences become deductible. Management considers the scheduled reversal of deferred income tax liabilities, projected future taxable income, taxable income in carryback periods, and tax planning strategies in making this assessment. The Company believes it is more likely than not it will realize the benefits of its deductible differences as of December 31, 2022, 2023, net of any valuation allowance. As of December 31, 2022, 2023, the Company continues to maintain a valuation allowance on federal tax credits capital loss carryforwards, and select state jurisdictions.

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As of December 31, 2022, 2023, the Company had approximately \$0.4 \$0.3 million of federal income tax credit carryforwards, which expire on various dates between 2023 2024 and 2026, and \$0.8 million of capital loss carryforwards, which expire in 2023 2026. As of December 31, 2022, 2023, the Company also had approximately \$18.4 million of state net operating loss carryforwards, which expire on various dates between 2022 2024 and 2038, 2036, and state income tax credit carryforwards of \$4.4 million, which began to expire in 2022, 2023. As of December 31, 2022, 2023, the Company also had approximately \$6.0 \$8.4 million of foreign net operating loss carryforwards, which expire on various dates between 2023 2024 and 2030, 2033.

The Company files income tax returns in the United States Federal jurisdiction, in a limited number of foreign jurisdictions, and in many state jurisdictions. With few exceptions, the Company is no longer subject to United States Federal, state, or foreign income tax examinations for years before 2018, 2019.

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A summary of the changes in the unrecognized income tax benefits is presented below (in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022		2021	2020		2023
	2022	2021	2020	2023	2022	2021
Unrecognized income tax benefits, beginning of year	\$ 4,366	\$ 4,350	\$ 4,350	\$ 4,472	\$ 4,366	\$ 4,350
Increases for positions taken in prior years	106	16	-	264	106	16
Unrecognized income tax benefits, end of year	\$ 4,472	\$ 4,366	\$ 4,350	\$ 4,736	\$ 4,472	\$ 4,366

The Company does not believe it is reasonably possible that the total amounts of unrecognized income tax benefits will change in the following twelve months; however, actual results could differ from those currently expected. Effectively all of the unrecognized income tax benefits would affect the Company's effective income tax rate if recognized at some point in the future.

The Company recognizes interest and penalties related to uncertain income tax positions in Income tax expense. As of December 31, 2022, 2023 and 2021, 2022, the Company had \$0.1 \$0.4 million and approximately \$0, \$0.1 million, respectively, of accrued interest related to uncertain income tax positions. Total interest for uncertain income tax positions did not change materially in 2023, 2022, or 2021 or 2020.

18. ACCUMULATED OTHER COMPREHENSIVE LOSS:

Accumulated other comprehensive loss consists of the following (in thousands):

	<i>December 31,</i>	
	<i>2022</i>	<i>2021</i>
Pension liability adjustment, net of income tax benefit of \$592 and \$577	\$ (1,532)	\$ (1,487)
Unrealized gain (loss) on foreign currency forward contracts designated as cash flow hedges, net of income tax (expense) benefit of \$(33) and \$61	94	(195)
Unrealized gain on interest rate swap designated as cash flow hedge, net of income tax (expense) of \$(213) and \$0	649	-
Total	\$ (789)	\$ (1,682)

	<i>December 31,</i>	
	<i>2023</i>	<i>2022</i>
Pension liability adjustment, net of income tax benefit of \$482 and \$592	\$ (1,193)	\$ (1,532)
Unrealized gain (loss) on foreign currency forward contracts designated as cash flow hedges, net of income tax (expense) benefit of \$12 and \$(33)	(13)	94
Unrealized gain on interest rate swaps designated as cash flow hedges, net of income tax expense of \$79 and \$213	246	649
Total	\$ (960)	\$ (789)

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The following table summarizes changes in the components of Accumulated other comprehensive loss (in thousands). All amounts are net of income tax:

<i>Pension Liability Adjustment</i>	<i>Unrealized Gain</i>			<i>Total</i>	<i>Pension Liability Adjustment</i>	<i>Unrealized Gain (Loss)</i>			<i>Total</i>
	<i>(Loss) on Foreign Currency Forward Contracts Designated as Cash Flow Hedges</i>	<i>Unrealized Gain on Interest Rate Swap Designated as Cash Flow Hedge</i>	<i>Total</i>			<i>Unrealized Gain (Loss) on Foreign Currency Forward Contracts Designated as Cash as Cash Flow Hedges</i>	<i>Unrealized Gain on Interest Rate Swap Designated as Cash as Cash Flow Hedges</i>	<i>Total</i>	
Balances, December 31, 2021	\$ (1,487)	\$ (195)	-	\$ (1,682)		\$ (1,487)	\$ (195)	-	\$ (1,682)
Other comprehensive income (loss) before reclassifications	41	(100)	678	619		41	(100)	678	619
Amounts reclassified from Accumulated other comprehensive loss	(86)	389	(29)	274		(86)	389	(29)	274
Net current period other comprehensive income (loss)	(45)	289	649	893		(45)	289	649	893
Net current period adjustments to Other comprehensive income						(45)	289	649	893
Balances, December 31, 2022	\$ (1,532)	\$ 94	\$ 649	\$ (789)		\$ (1,532)	\$ 94	\$ 649	\$ (789)
Other comprehensive income (loss) before reclassifications						338	(115)	142	365

Amounts reclassified from				
Accumulated other comprehensive loss		1	8	(545) (536)
Net current period adjustments to Other comprehensive loss		339	(107)	(403) (171)
Balances, December 31, 2023		\$ (1,193)	\$ (13)	\$ 246 \$ (960)

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The following table provides additional detail about Accumulated other comprehensive loss components that were reclassified to the Consolidated Statements of Operations (in thousands):

Details about Accumulated Other Comprehensive Loss Components	Amount reclassified from Accumulated Other Comprehensive Loss			Affected line item in the Consolidated Statements of Operations	Amount reclassified from Accumulated Other Comprehensive Loss			Affected line item in the Consolidated Statements of Operations		
	Year Ended December 31,				Year Ended December 31,	2023	2022			
	2022	2021	2020		2023	2022	2021			
Pension liability adjustment:										
Net periodic pension cost:										
Service cost	\$ (13)	\$ (7)	\$ (16)	Cost of sales	\$ (13)	\$ (13)	\$ (7)	Cost of sales		
Non-service cost	127	110	46	Other income	11	127	110	Other income		
Associated income tax expense	(28)	(25)	(8)	Income tax expense						
	86	78	22							
Associated income tax (expense) benefit					1	(28)	(25)	Income tax expense		
					(1)	86	78			
Unrealized gain (loss) on foreign currency forward contracts:										
Gain (loss) on cash flow hedges	163	(72)	(378)	Net sales	99	163	(72)	Net sales		
Loss on cash flow hedges	(680)	-	-	Property and equipment	(109)	(680)	-	Property and equipment		
Associated income tax benefit	128	18	97	Income tax expense	2	128	18	Income tax expense		
	(389)	(54)	(281)		(8)	(389)	(54)			
Unrealized gain on interest rate swap:										
Gain on cash flow hedge	39	-	-	Interest expense						
Unrealized gain on interest rate swaps:										
Gain on cash flow hedges					719	39	-	Interest expense		
Associated income tax expense	(10)	-	-	Income tax expense	(174)	(10)	-	Income tax expense		
	29	-	-		545	29	-			
Total reclassifications for the period	\$ (274)	\$ 24	\$ (259)		\$ 536	\$ (274)	\$ 24			

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19. SEGMENT INFORMATION:

The operating segments reported below are based on the nature of the products sold and the manufacturing process used by the Company and are the segments of the Company for which separate financial information is available and for which operating results are regularly evaluated by the Company's chief operating decision maker, its Chief Executive Officer, to make decisions about resources to be allocated to the segment and assess its performance. Management evaluates segment performance based on gross profit. The Company does not allocate selling, general, and administrative expenses, interest, other non-operating income or expense items, or taxes to segments.

The Company's Engineered Steel Pressure Pipe (SPP) segment manufactures large-diameter, high-pressure steel pipeline systems for use in water infrastructure applications, which are primarily related to drinking water systems. These products are also used for hydroelectric power systems, wastewater systems, seismic resiliency, and other applications. In addition, SPP makes products for industrial plant piping systems and certain structural applications. SPP has manufacturing facilities located in Portland, Oregon; Adelanto and Tracy, California; Parkersburg, West Virginia; Saginaw, Texas; St. Louis, Missouri; and San Luis Río Colorado, Mexico.

The Company's Precast Infrastructure and Engineered Systems (Precast) segment manufactures stormwater and wastewater technology products, high-quality precast and reinforced concrete products, including reinforced concrete pipe, manholes, box culverts, vaults, and catch basins, pump lift stations, oil water separators, biofiltration units, and other environmental and engineered solutions. Precast has manufacturing facilities located in Dallas, Houston, and San Antonio, Texas; and Orem, Salt Lake City, and St. George, Utah.

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The following table disaggregates revenue as well as other financial information based on the Company's reportable segments (in thousands):

	Year Ended December 31,			Year Ended December 31,		
	2022	2021	2020	2023	2022	2021
Net sales:						
Engineered Steel Pressure Pipe	\$ 307,572	\$ 259,823	\$ 241,690	\$ 296,381	\$ 307,572	\$ 259,823
Precast Infrastructure and Engineered Systems	150,093	73,490	44,217	147,974	150,093	73,490
Total	\$ 457,665	\$ 333,313	\$ 285,907	\$ 444,355	\$ 457,665	\$ 333,313
Gross profit:						
Engineered Steel Pressure Pipe	\$ 44,473	\$ 31,281	\$ 44,293	\$ 42,427	\$ 44,473	\$ 31,281
Precast Infrastructure and Engineered Systems	41,382	12,973	6,226	35,215	41,382	12,973
Total	\$ 85,855	\$ 44,254	\$ 50,519	\$ 77,642	\$ 85,855	\$ 44,254
Depreciation and amortization expense:						
Engineered Steel Pressure Pipe	\$ 9,789	\$ 9,524	\$ 10,746	\$ 9,000	\$ 9,789	\$ 9,524
Precast Infrastructure and Engineered Systems	6,807	3,738	3,407	6,241	6,807	3,738
	16,596	13,262	14,153	15,241	16,596	13,262
Corporate	507	362	398	565	507	362
Total	\$ 17,103	\$ 13,624	\$ 14,551	\$ 15,806	\$ 17,103	\$ 13,624
Capital expenditures:						
Engineered Steel Pressure Pipe	\$ 8,211	\$ 7,538	\$ 12,031	\$ 11,154	\$ 8,211	\$ 7,538
Precast Infrastructure and Engineered Systems	13,925	5,255	1,397	6,503	13,925	5,255
	22,136	12,793	13,428	17,657	22,136	12,793
Corporate	693	469	585	634	693	469
Total	\$ 22,829	\$ 13,262	\$ 14,013	\$ 18,291	\$ 22,829	\$ 13,262

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The following table disaggregates total assets based on the Company's reportable segments (in thousands):

	December 31,		December 31,	
	2022	2021	2023	2022
Total assets:				
Engineered Steel Pressure Pipe	\$ 307,924	\$ 308,819	\$ 307,856	\$ 307,924

<i>Precast Infrastructure and Engineered Systems</i>	256,520	228,627	255,904	256,520
	564,444	537,446	563,760	564,444
<i>Corporate</i>	36,896	10,233	34,121	36,896
<i>Total</i>	\$ 601,340	\$ 547,679	\$ 597,881	\$ 601,340

Schedule II

NORTHWEST PIPE COMPANY
VALUATION AND QUALIFYING ACCOUNTS
(Dollars in thousands)

Year Ended December 31, 2023:												
Allowance for doubtful accounts										\$ 369	\$ 189	\$ (437)
Valuation allowance for deferred income tax assets										6,051	696	(106)
												6,641
Year Ended December 31, 2022:												
Allowance for doubtful accounts	\$ 503	\$ 442			\$ (576)	\$ 369	\$ 503	\$ 442	\$ (576)	\$ 369		
Valuation allowance for deferred income tax assets	5,899	254			(102)	6,051	5,899	254	(102)	6,051		
Year Ended December 31, 2021:												
Allowance for doubtful accounts	\$ 767	\$ 653			\$ (917)	\$ 503	\$ 767	\$ 653	\$ (917)	\$ 503		
Valuation allowance for deferred income tax assets	6,228	-			(329)	5,899	6,228	-	(329)	5,899		
Year Ended December 31, 2020:												
Allowance for doubtful accounts	\$ 801	\$ 430			\$ (464)	\$ 767						
Valuation allowance for deferred income tax assets	6,126	240			(138)	6,228						

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SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized, on the 16th 5th day of March 2023 2024.

NORTHWEST PIPE COMPANY

By /S/ SCOTT MONTROSS
Scott Montross
Director, President, and Chief Executive Officer

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REFINITIV

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities indicated, on the **16th 5th** day of March **2023, 2024**.

Signature	Title
/S/ RICHARD A. ROMAN <i>Richard A. Roman</i>	<i>Director and Chairman of the Board</i>
/S/ SCOTT MONTROSS <i>Scott Montross</i>	<i>Director, President, and Chief Executive Officer (principal executive officer)</i>
/S/ AARON WILKINS <i>Aaron Wilkins</i>	<i>Senior Vice President, Chief Financial Officer, and Corporate Secretary (principal financial and accounting officer)</i>
/S/ MICHAEL C. FRANSON <i>Michael C. Franson</i>	<i>Director</i>
/S/ AMANDA L. KULESA JULIAN <i>Amanda L. Kulesa Julian</i>	<i>Director</i>
/S/ KEITH R. LARSON <i>Keith R. Larson</i>	<i>Director</i>
/S/ IRMA LOCKRIDGE <i>IrmaLockridge</i>	<i>Director</i>
/S/ JOHN T. PASCHAL <i>John T. Paschal</i>	<i>Director</i>

EXHIBIT 21.1

NORTHWEST PIPE COMPANY
SUBSIDIARIES OF THE REGISTRANT
As of December 31, **2022 2023**

Permalok Corporation, Missouri

Thompson Tank Holdings, Inc., Oregon

NWPC, LLC, Delaware

WTG Holding U.S., Inc., California

Bolenco Corporation, California

NWPC de SLRC, S de RL de CV, Mexico

NWPC de Mexico, S de RL de CV, Mexico

Rio Co., S de RL de CV, Mexico

Corporacion Californiana de Tuberias APS, S de RL de CV, Mexico

Geneva Pipe and Precast Company, Utah

Park Environmental Equipment, LLC, Texas

Exhibit 23.1

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statements on Form S-3 (No. 333-**249637** 275691) and Form S-8 (No. 333-190854, No. 333-152573 and No. 333-265658) of Northwest Pipe Company and Subsidiaries (the "Company"), of our report dated **March 16, 2023** **March 5, 2024**, relating to the consolidated financial statements and schedule of Northwest Pipe the Company and Subsidiaries (the "Company") and the effectiveness of internal control over financial reporting of the Company (which report expresses an unqualified opinion on the consolidated financial statements and an adverse opinion on the effectiveness of internal control over financial reporting due to a material weakness), appearing in this Annual Report on Form 10-K of Northwest Pipe the Company for the year ended **December 31, 2022** **December 31, 2023**.

/s/ Moss Adams LLP

Portland, Oregon
March **16, 2023** **5, 2024**

EXHIBIT 31.1

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Scott Montross, certify that:

1. I have reviewed this Annual Report on Form 10-K of Northwest Pipe Company;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

- a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
- b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: **March 16, 2023** **March 5, 2024**

By: _____ /s/ SCOTT MONTROSS

Scott Montross

Director, President, and Chief Executive Officer
(principal executive officer)

EXHIBIT 31.2

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Aaron Wilkins, certify that:

1. I have reviewed this Annual Report on Form 10-K of Northwest Pipe Company;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent function):

- a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
- b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: **March 16, 2023** **March 5, 2024**

By: _____ /s/ **AARON WILKINS**

Aaron Wilkins
Senior Vice President, Chief Financial Officer, and Corporate Secretary
(principal financial officer)

EXHIBIT 32.1

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Annual Report of Northwest Pipe Company ("Company") on Form 10-K for the period ended **December 31, 2022** **December 31, 2023** as filed with the Securities and Exchange Commission on the date hereof ("Report"), I, Scott Montross, Director, President, and Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ **SCOTT MONTROSS**

Scott Montross

Director, President, and Chief Executive Officer

March **16, 2023** **5, 2024**

EXHIBIT 32.2

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Annual Report of Northwest Pipe Company ("Company") on Form 10-K for the period ended **December 31, 2022** **December 31, 2023** as filed with the Securities and Exchange Commission on the date hereof ("Report"), I, Aaron Wilkins, Senior Vice President, Chief Financial Officer, and Corporate Secretary of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

/s/ **AARON WILKINS**

Aaron Wilkins

Senior Vice President, Chief Financial Officer,
and Corporate Secretary

March **16, 2023** **5, 2024**

EXHIBIT 97

POLICY RELATING TO RECOVERY OF ERRONEOUSLY AWARDED COMPENSATION

Incentive Compensation Recovery Policy

Adopted September 14, 2023

Introduction

The Board of Directors ("Board") of Northwest Pipe Company ("Company") has determined that it is in the best interests of the Company and its shareholders to maintain and promote a culture emphasizing integrity and accountability by, among other things, reinforcing the pay-for-performance compensation philosophy applicable to the officers and employees of the Company. The Board has therefore adopted the accompanying policy ("Policy") to permit the Company to recoup certain executive compensation in the event of an accounting restatement that results from material noncompliance with financial reporting requirements under the Securities Exchange Act of 1934 ("ExchangeAct") and other federal securities laws. This Policy is intended to comply with the requirements of Exchange Act Section 10D and Rule 10D-1 thereunder, and with Nasdaq Rule 5608 adopted in conformity therewith.

Administration

This Policy shall be administered by the Board unless delegated to its Compensation Committee ("Administrator"). Any determinations made by the Administrator shall be final and binding on all affected individuals.

Executive Officers

This Policy applies to the Company's current and former Executive Officers. For purposes of this Policy, an "Executive Officer" includes the Company's Chief Executive Officer, president, principal financial officer, principal accounting officer (or if there is no such accounting officer, the controller), any vice-president of the Company in charge of a principal business unit, division, or function (such as sales, administration, or finance), any other officer who performs a policy-making function, or any other person who performs similar policy-making functions for the Company or its subsidiaries. The interpretation of whether an individual is or was serving as an Executive Officer shall be made in a manner consistent with Nasdaq Rule 5608(d) and Exchange Act Rule 16a-1(f).

Recoupment; Accounting Restatement

In the event the Company is required to restate its financial statements due to the Company's material noncompliance with any financial reporting requirement under the securities laws (an "Accounting Restatement"), the Administrator will reasonably promptly require reimbursement or forfeiture of any excess Incentive Compensation received by any Executive Officer during the three completed fiscal years immediately preceding the date on which the Company is required to prepare an Accounting Restatement, provided that such reimbursement obligation or forfeiture event shall only arise with respect to an Executive Officer after such person became an Executive Officer and so long as such person served as an Executive Officer at any time during the three year recovery period. For purposes of this Policy, an Accounting Restatement shall include any required accounting restatement to correct an error in previously issued financial statements that is material to the previously issued financial statements, or that would result in a material misstatement if the error were corrected in the current period or left uncorrected in the current period. For purposes of determining the relevant recovery period, the date that a Company is required to restate its financial statements is the date the Company's Board, a committee of the Board, or the officer or officers of the Company authorized to take such action if Board action is not required, concludes, or reasonably should have concluded, that the Company is required to prepare an Accounting Restatement. The recovery of erroneously awarded compensation is required on a "no fault" basis, without regard to whether any misconduct occurred or an executive officer's responsibility for the erroneous financial statements. Any amount to be recovered will be calculated without regard to any taxes previously paid. The Administrator's determination whether an event of material noncompliance has occurred shall be based upon the facts and circumstances and upon then-existing judicial and administrative interpretations.

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Incentive Compensation

For purposes of this Policy, Incentive Compensation means any compensation that is granted, earned, or vested based wholly or in part on the attainment of a financial reporting measure. For such purposes, a "financial reporting measure" means any measure that is determined and presented in accordance with the accounting principles used in an issuer's financial statements, and any measure that is derived wholly or in part from such measures, as well as an issuer's stock price and total shareholder return. Without limiting the generality of the foregoing, Incentive Compensation includes:

- Annual bonuses and other short- and long-term cash incentives.
- Stock options.
- Stock appreciation rights.
- Restricted stock.
- Restricted stock units.
- Performance shares.
- Performance units.

Financial reporting measures include any measure that is determined and presented in accordance with the accounting principles used in preparing the Company's financial statements, any measure that is derived wholly or in part from such measures, stock price and/or total shareholder return.

Equity awards that vest exclusively upon completion of a specified employment period, without any performance condition, and bonus awards that are discretionary or based on subjective goals or goals unrelated to financial reporting measures, do not constitute Incentive Compensation.

Excess Incentive Compensation: Amount Subject to Recovery

The amount to be recovered will be the amount of Incentive Compensation received that exceeds the amount of Incentive Compensation that otherwise would have been received had it been determined based on the restated amounts, as determined by the Administrator in its sole discretion. Incentive Compensation is deemed to have been received in the fiscal period during which the financial reporting measure specified in the relevant compensatory award is attained, even if the grant or payment of the Incentive Compensation occurs after the end of that period.

If the Administrator cannot determine the amount of excess Incentive Compensation received by the Executive Officer directly from the information in the accounting restatement, then it will make its determination based on a reasonable estimate of the effect of the accounting restatement, and such determination shall be conclusive and binding.

Method of Recoupment; Limitations on Enforcement

The Administrator will determine, in its sole discretion, the methods for recouping Incentive Compensation hereunder which may include any one or more of the following methods, without limitation and in such combinations as the Administrator deems appropriate:

- Requiring reimbursement of cash Incentive Compensation previously paid.
- Seeking recovery of any gain realized on the vesting, exercise, settlement, sale, transfer, or other disposition of any equity-based awards.
- Offsetting the recouped amount from any compensation otherwise owed to the Executive Officer.
- Cancelling or rescinding some or all outstanding vested or unvested equity awards.
- Any other remedial and recovery action permitted by law, as determined by the Administrator.

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Notwithstanding the foregoing, the Administrator may determine not to require recoupment of compensation when any of the following circumstances exist:

- The direct expense to be paid to a third party to assist in enforcing this Policy would exceed the amount to be recovered.
- Recovery would violate any federal or state law that was in effect on the date this Policy was adopted, or that would otherwise subject the Company to material risk of a violation of law as stated in a written opinion of counsel to the Company.
- Recovery would cause a broad-based retirement plan to fail to meet the tax-qualification requirements of 26 U.S.C. 401(a)(13) or 26 U.S.C. 411(a) and regulations thereunder.

The Administrator may apply these provisions differently to each applicable Executive Officer in its discretion. Before concluding that pursuit is impracticable, the Company must first make reasonable attempts to recover the Incentive Compensation and must provide documentation to Nasdaq describing such attempts.

No Indemnification

The Company shall not indemnify any Executive Officers against the loss of any incorrectly awarded Incentive Compensation or against any action or proceeding resulting in a dispute with respect thereto.

Interpretation

The Administrator is authorized to interpret and construe this Policy and to make all determinations necessary, appropriate, or advisable for the administration of this Policy. It is intended that this Policy be interpreted in a manner that is consistent with the requirements of Exchange Act Section 10D and Rule 10D-1, Nasdaq Rule 5608, and any other applicable law or regulation governing the forfeiture, disgorgement, or recoupment of executive compensation. To the extent that any provision of this Policy is found to be unenforceable or invalid under any applicable law, such provision shall be applied to the maximum extent permitted and shall automatically be deemed amended in a manner consistent with its objectives to the extent necessary to conform to applicable law. The invalidity or unenforceability of any provision of this Policy shall not affect the validity or enforceability of any other provision of this Policy.

Effective Date; Applicability

This Policy shall be effective as of December 1, 2023 (the "Effective Date") and shall apply to Incentive Compensation that is received by Executive Officers on or after October 2, 2023.

Periodic Review; Amendment; Termination

The Administrator may amend this Policy from time to time in its discretion and shall amend this Policy as it deems necessary to reflect modifications in or amendments to any Nasdaq listing requirement or any regulation adopted by the Securities and Exchange Commission. The Administrator may terminate this Policy at any time; provided, however, that this Policy will not be terminated under circumstances that would cause the Company to fail to comply with applicable laws, regulations, or Nasdaq listing requirements.

Other Recoupment Rights

Without by implication limited the foregoing, following a restatement of the Company's financial statements, the Company also shall be entitled to recover any compensation received by the Chief Executive Officer and Chief Financial Officer that is required to be recovered by Section 304 of the Sarbanes-Oxley Act of 2002. The Administrator may require that any employment agreement, equity award agreement, or similar agreement entered into on or after the Effective Date shall, as a condition to the grant of any benefit thereunder, require an Executive Officer to agree to abide by the terms of this Policy and to cooperate in the recoupment of any Incentive Compensation to be recovered hereunder.

Any right of recoupment under this Policy is in addition to, and not in lieu of, any other remedies or rights of recoupment that may be available to the Company pursuant to the terms of any similar policy in any employment agreement, equity award agreement, or similar agreement and any other legal remedies available to the Company.

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Adjustments to Unvested Incentive-Based Compensation

If the Administrator, in its sole discretion, determines that the performance metrics of outstanding but unvested Incentive Compensation were established using financial reporting measures that were impacted by an Accounting Restatement, the Administrator, in its sole discretion, may adjust such Financial Reporting Measures or modify such Incentive Compensation, in such manner as the Administrator deems appropriate in its sole discretion.

Successors

This Policy shall be binding and enforceable against all Executive Officers and their beneficiaries, heirs, executors, administrators, or other legal representatives.

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