



Shanna Brown

Engineering Technician

Education

BSA, Landscape Architecture, South Dakota State University, 2016

Experience Summary

Ms. Brown is an Engineering Technician with 3.5 years of experience in the mining industry and 7 years of experience in the landscaping industry. With knowledge in AutoCAD Civil 3D, Global Mapper, gINT, and other graphic design software, her experience ranges from conceptual design to final construction, including tailings storage facilities (TSFs), waste rock disposal facilities (WRDFs), heap leach pads (HLPs), roadways, diversion channels, spillways, ponds, closure plans, and landscape planning.

Project Experience

Mining/Site Plans

STIBNITE TSF, STIBNITE GOLD PROJECT | IDAHO

CAD design support for underdrains, over drains, TSF impoundment grading, access ramps, and diversion designs. (Tierra Group, 2021 to 2023)

NEW JERSEY MILL TSF RAISE | IDAHO

CAD design support for TSF1 Stage 5 and 6 design and Stage 5 as-built drawings and report. Office support for co-workers in the field. (Tierra Group, 2021 to 2023)

NORTH BLOCK TAILINGS DISPOSAL FACILITY (NBTF), GOLDSTRIKE MINE | NEVADA

CAD design support for NBTF Stages 11 and 12, Roaster Corridor, and northwest corner buttress designs, modifications, and as-builts. Process quarterly tailings raw data. Office support for co-workers in the field. (Tierra Group, 2021 to 2023)

TAILINGS STORAGE FACILITY 3 (TSF3), GOLDSTRIKE MINE | NEVADA

CAD support for TSF3 Stage 4 as-built. Process quarterly tailings raw data. Office support for co-workers in the field. (Tierra Group, 2019 to 2023)

SOLEDAD DAM RAISE, EL MOCHITO MINE | HONDURAS

CAD design support for dam crest raises, spillway, diversion channel, and access road designs. Office support for co-workers in the field. (Tierra Group, 2022 to 2023)

ROUND TOP HLPs, ROUND TOP COMMERCIAL AND DEMONSTRATION PLANT | TEXAS

CAD design support for Commercial and Demonstration Plant HLPs and stacking plans. (Tierra Group, 2022)

MILL 4 TSF, GOLDSTRIKE MINE | NEVADA

Trade-off alternative closure spillway designs. CAD design support for the spillway and partial closure cover designs and as-builts. (Tierra Group, 2020 to 2022)

GOLDEN MILE HLP, GOLDEN MILE | NEVADA

CAD design support for HLP layout, stacking plan, and pond design. (Tierra Group, 2022)

EVAPORATION PONDS, McLAUGHLIN MINE | CALIFORNIA

CAD design support for evaporation ponds, spillways, culverts, pipelines, and instrumentation. (Tierra Group, 2021 to 2022)

SAN JOSE STAGE 4 AND 5 DESIGN, EL LIMON MINE | NICARAGUA

CAD support for TSF Stages 4 and 5 design. (Tierra Group, 2021 to 2022)

STIBNITE ASAOC, STIBNITE GOLD PROJECT | IDAHO

CAD design for relocating old tailings and multiple WRDFs onto five reclaimed HLPs. (Tierra Group, 2021)

KIAKA FEASIBILITY STUDY, KIAKA MINE | WEST AFRICA

CAD design support for TSF, multiple WRDFs, stormwater management, and flood protection berms. (Tierra Group, 2021)

BENSON MINE WASTE ROCK STORAGE FACILITY, BENSON MINE | NEW YORK

CAD design support for multiple WRDFs and dry stack TSF. (Tierra Group, 2019 to 2020)

SNOW CANYON EAST ROCK DISPOSAL AREA (RDA) CLOSURE, JERRITT CANYON MINE | NEVADA

CAD design support for the closure and reclamation of an existing RDA and installing synthetic turf. (Tierra Group, 2019 to 2020)

UPPER PIT AND EAST PIT INTERNAL OPERATING PLAN, EAGLE-GYPSUM MINE | COLORADO

CAD design support for a life of mine in staged layouts of mine pit, haul roads, and waste rock dumps through reclamation. (Tierra Group, 2019 to 2020)

Geotechnical

GOLDSTRIKE MINE | NEVADA

Instrumentation monitoring and analysis and CAD support for inclinometers, piezometers, data loggers, survey monuments. Office support for co-workers in the field. (Tierra Group, 2020 to 2023)

McLAUGHLIN HOMESTAKE MINE | CALIFORNIA

Instrumentation monitoring and CAD support for inclinometers and piezometers at the Davis Creek Reservoir (DCR), Tailings Impoundment Facility (TIF), and North Waste Rock Disposal (NWRD). Office support for co-workers in the field. (Tierra Group, 2020 to 2023)

EL MOCHITO MINE | HONDURAS

Instrumentation monitoring and CAD support for seismic reporting, inclinometers, piezometers, survey monuments at the Soledad TSF, El Bosque TSF, and Pozo Azul TSF. Office support for co-workers in the field. (Tierra Group, 2021 to 2023)

NEW JERSEY MILL | IDAHO

CAD support for instrumentation, including boreholes and test pits. Office support for co-workers in the field. (Tierra Group, 2022)

EMPIRE STATE MINE | NEW YORK

CAD support for instrumentation, including boreholes, test pits, and cone penetration tests (CPTs). Office support for co-workers in the field. (Tierra Group, 2021 to 2022)

EL LIMON MINE | NICARAGUA

CAD support for seismic reporting and instrumentation monitoring, including inclinometers, piezometers, and survey monuments. (Tierra Group, 2020 to 2022)

Landscape Design

RESIDENTIAL AND COMMERCIAL LANDSCAPES, VARIOUS CLIENTELE | NEBRASKA

Landscape design for residential and commercial properties. Analyzed data and prepared/presented estimates for clients. (Steinbrink Landscaping, 2018 to 2019)

VARIOUS LANDSCAPE PROJECTS | SOUTH DAKOTA

Operated landscape heavy equipment and small machinery and installed designer's projects. Assisted in designing a city's parks 2018 planting arrangements. (James Valley Landscape, 2014 to 2018)

Employment History

CURRENT EMPLOYER	TIERRA GROUP INTERNATIONAL, LTD.
POSITION	Engineering Technician
YEARS	2019 to Present
EMPLOYER	C-A-L RANCH STORES
POSITION	Sales Associate/Receiver
YEARS	2019
EMPLOYER	STEINBRINK LANDSCAPING & GREENHOUSES
POSITION	Landscape Designer
YEARS	2018 to 2019
EMPLOYER	JAMES VALLEY LANDSCAPE SOLUTIONS
POSITION	Landscape – Crew Leader
YEARS	2014 to 2018
EMPLOYER	JAMES VALLEY LANDSCAPE SOLUTIONS
POSITION	Garden Center – Sales
YEARS	2012 to 2013

Language Proficiency

English: Fluent