

ARTHUR T. VIOLENTA

Education

BS – Civil Engineering, Feati University, 1981
Silicon Valley College, Architectural Drafter Design, 1976



Professional Licenses

Registered Professional Engineer – Manila, Philippines
Registered Master Plumber – Manila, Philippines

Specialty Certifications

40-Hour OSHA Health and Safety Training
AutoCAD 3D Civil

Professional Affiliations

American Society of Civil Engineers (ASCE)

Professional Experience

Mr. Violenta has 38 years of professional engineering design and construction experience. He specializes in planning, surveying, design, and structural detailing of landfills; preparation of road improvement plans; and road construction. He has prepared designs for a number of composting facilities in California and Colorado. He is skilled in the use of graphics and design programs, such as AutoCAD 3D Civil, gINT, ArcGIS, Photoshop, Canvas, Corel Draw, and various Microsoft software programs.

Landfill

Fink Road Landfill, Crows Landing, CA. Mr. Violenta was involved in the preparation of fill sequences and volume calculations for the site. He provided construction quality assurance (CQA) in the installation of groundwater wells and gas probes and the destruction of groundwater wells. He was involved in groundwater well development and soil sampling. He prepared final gas collection and control system (GCCS) Improvement Plans in 2018 on LF-2 phase. In 2019, he was involved in providing CQA oversight during installation of extraction wells, condensate sumps, headers, and lateral connections.

Carpenter Road Landfill, Modesto, CA. Mr. Violenta was involved in the preparation of excavations, pot holing, and verification of boundary limits of waste depth. He provided Environmental Quality Assurance (EQA) and installed air monitoring devices on site.

L&D Landfill, Partial Final Closure and Postclosure Maintenance Plan Design, Sacramento, CA. Mr. Violenta was involved in the preparation of the partial final closure and postclosure maintenance plan. He designed the final liner and cover system, which included geosynthetic and soil layers, final

grading, and surface water drainage control ditches. He provided oversight of the installation of groundwater well extensions, and performed groundwater well development in existing wells. In 2017, he prepared the GCCS Plan for Phase I and relocation of the header pipes, and designed the excavation and final grade. In 2018, he involved in performing CQA oversight during installation of the pond and Phase 5/6A closure. During the 2019 GCCS Improvement Plan project, he performed CQA oversight during installation of extraction wells and lateral connections.

Florin Perkins Landfill, GCCS Improvement, LFG Well Installation Design, Florin Perkins, CA. Mr. Violenta was involved in the 2019 GCCS Improvement Plan, where he provided CQA oversight during installation of the gas wells and 4-inch-diameter lateral pipes with 8-inch-diameter header pipes.

Potrero Hills Landfill, GCCS Improvement, LFG Well Installation Design, Suisun City, CA. Mr. Violenta prepared the final design for construction and installation of the gas wells and replacement of 18-inch-diameter pipes with 30-inch-diameter pipes. He performed CQA during abandonment of two existing leachate wells.

City of Sacramento, Engineering Services, Sacramento, CA. Mr. Violenta was involved in preparation of the design and development of a work plan to detect LFG in subsurface soils surrounding the landfill, in accordance with California Code of Regulations (CCR) Title 27. He provided oversight of LFG extraction wells and replacement of gas probes, implementation of test methodology, and development of installation details, as well as a health and safety (H&S) plan for field activities. He oversaw installation of piezometers and monitoring wells. In 2017, he prepared the GCCS design for the west side of the landfill and for the Dellar property. In 2018, he prepared the GCCS design for the Cannon Scollan property, and oversaw installation of the gas probes. In 2018, he oversaw the installation of gas wells for both the west side and Dellar properties.

Clover Flat Landfill, Saint Helena, CA. Mr. Violenta was involved in the preparation of the Design Concept Master Plan and volume calculations for each cell limit.

Cochise Landfill, Sierra Vista, AZ. Mr. Violenta was involved in the volume calculation of the air space and Isopach of the landfill.

Simi Valley Landfill, Waste Management, Simi Valley, CA. Mr. Violenta was involved in the preparation of the design/build of the replacement leachate riser. He prepared shop drawings, sections, and details.

Anderson Landfill, Waste Management, Shasta County, CA. Mr. Violenta was involved in the preparation of fill sequences and volume calculations for the site. He prepared the master plan to lay out vertical extraction wells, laterals, and header pipes needed to expand the system each year. In 2019, he designed the fill sequencing plan for 5 years.

Otay Landfill, Chula Vista, CA. Mr. Violenta was involved in the preparation of fill sequences and volume calculations for the site. He provided quality assurance (QA) in the preparation of well schedules to verify the locations and elevations, based on survey points.

Sycamore Landfill, Santee, CA. Mr. Violenta provided QA in the preparation of well schedules to verify the locations and elevations, based on survey points. He is involved in double checking the well depth and the liner.

West Sacramento Area Flood Control Agency (WSAFCA), Phase I and Phase II Environmental Site Assessments (ESAs), West Sacramento, CA. As a project team member, Mr. Violenta was involved in the preparation of Phase I and Phase II ESAs, including confirmation soil sampling, groundwater sampling, and well development.

County of Butte, Work Plan Design, Oroville, CA. Mr. Violenta prepared the work plan for installing a replacement lysimeter, and provided CQA oversight during installation. He collected samples of leachate as well as septage supernatant pond and MD-4D parameter readings.

Design and Final Plans for Industry Business Center (IBC) Eastside Mass Grading, Riverside, CA. Mr. Violenta was involved in preparation of the design and final plans for IBC-East mass grading. He designed the waste placement plan and remedial surface for waste excavation cross sections and details.

Final Design of Hawthorne Army Depot Landfill Liner, Hawthorne, NV. Mr. Violenta was involved in preparation of the design, final plans, and specifications for the final liner and cover system, which included geosynthetic and soil layers to meet Subtitle D requirements. The work also included grading for surface water drainage control ditches and other control features.

Final Design of Teichert Perkins Concrete Process Water Containment. Mr. Violenta was involved in preparation of the design, final plans, and specifications. The final liner and cover system included geosynthetic and soil layers. He also designed a lined overflow containment pond to handle liquids during construction.

Final Design of U.S. Pipe Stormwater Detention Plan. Mr. Violenta was involved in preparation of the design, final plans, and specifications for the final liner and cover system, which included geosynthetic and soil layers. He also designed the detention pond and final grading for the site. In 2018, he finalized the design drawings for permit and construction.

LFG Well Installation Design for Various Sites, CA. The sites included Eastlake, Neal Road, Avenal, Fairmead, Ostrom Road, and Pacheco Pass Landfills. Mr. Violenta prepared the final design for construction and installation of the gas wells.

Western Regional Sanitary Landfill and Air Monitoring Project. Mr. Violenta collected air samples and performed data entry and equipment maintenance for an active Class II and Class III landfill.

LFG in Vadose Zone for Fairmead, Clovis, Potrero Hills, Geer Road, and Highway 59 Landfills, CA. Mr. Violenta was involved in addressing LFG in the vadose zone near these landfills, which required design, installation, and reporting for vadose zone extraction wells to remove the LFG from subsurface soils and volatile organic compounds (VOCs) from groundwater.

LFG Well Installation, Various Sites, CA. Mr. Violenta managed LFG well installation for sites including Potrero Hills, Carpenter Road, Avenal, Geer Road, Fink Road, Forward, Clovis, YSDI Marysville, Buena Vista, and Cortina Landfills. He observed and documented LFG well installation.

Partial Final Closure Mono-Cover Construction for Highway 59 Landfill, Merced, CA. Mr. Violenta prepared plans, specifications, and estimates for a 30-acre partial final closure for a Class III landfill Phase V at Highway 59 Landfill. He prepared a partial final closure and post-closure maintenance plan for the portion of the landfill undergoing closure.

Final Design for Cortina Landfill, Williams, CA. Mr. Violenta was involved in preparation of the cell design, final plans, and specifications for the liner and final cover system, which included geosynthetic and soil layers to meet Subtitle D requirements. He also managed grading for surface water drainage control ditches and other control features.

Construction Oversight for Knight's Landing Burn Dump Site, CA. As Project Manager, Mr. Violenta managed a burn dump closure. The project included preparation of the final closure plan, plans and specifications, engineer's estimate, and CQA observation and testing during construction.

Final Closure Mono-Cover Construction for Highway 59 Landfill, Merced, CA. Mr. Violenta was involved in preparation of the final closure plan, and plans and specifications for Phases I to IV. The final cover system included consolidation of waste within a reduced footprint and a high-density polyethylene (HDPE) barrier placed over smooth graded waste and soil. He also managed grading for surface water drainage control ditches and other control features.

Drainage Design for Oroville Landfill Properties, Oroville, CA. Mr. Violenta assisted in developing engineering design drawings and preparing calculations of HydroCAD analysis on the drainage design.

Building Sensors Monitoring for Cozzitorto Auto Body Shop and Skyking, Sacramento, CA. Mr. Violenta performed monitoring of building sensors and downloaded data from Hyperlogger every month. He prepared reports for the Lead Enforcement Agency (LEA) on a monthly and quarterly basis.

Inspection and LFG Well Installation for L&D Landfill, Sacramento, CA. Mr. Violenta performed inspections for the site flare station pad and provided oversight of sample collection/analysis of the core samples. He observed the pile foundation installation and collected concrete samples. He also provided oversight of LFG well installation and abandonment of existing wells.

LFG Reporting for 14th Avenue, Sacramento, CA. Mr. Violenta was responsible for regular LFG reporting submitted to the LEA. He conducted statistical analysis of the LFG analytical data to comply with regulatory requirements.

Engineering Drawings for Magnolia Terrace, Chesapeake, River Heights, and Monte Cristo Subdivisions. Mr. Violenta assisted in the preparation of engineering drawings related to the site plan, improvement plans, tentative map, and final maps. He designed the final grading, sewer, water, and erosion control features; provided calculations for lot closure; and prepared final documents.

Designs, signage, structural detailing and calculations, footings, and columns have been conducted and/or provided for the following clients:

- IKEA Signage.
- Oakland Airport, Interior and Exterior Signage.
- Sacramento Airport Signage.
- Sunset & Vine Signage (Hollywood, CA).
- Staples Arena (Los Angeles, CA).
- Off the Page, Disneyland (Los Angeles, CA).

Composting

County of Sonoma, Compost Facility Design, Sonoma County, CA. Mr. Violenta prepared a compost deck base grade plan, including engineering design layout, as well as engineering plans for first flush capture for the Sonoma Central Disposal Site in Sonoma County, CA.

Oroville Landfill Properties, Compost Facility Design, Oroville, CA. Mr. Violenta prepared compost facility layout and processing plans, stormwater Best Management Practices (BMPs), and CQA during construction for a 20-ton-per-day (tpd) open windrow composting facility in Oroville, CA.

Johnson Controls, Inc. Compost Facility Design, Fort Carson, CO. Mr. Violenta prepared design plans for a 10-tpd compost/materials recovery facility (MRF) in Fort Carson, CO.

West Power, Inc., Compost/Energy Facility Design, Palo Alto, CA. Mr. Violenta prepared design plans for a compost/energy facility in Palo Alto, CA.

Shafter-Wasco Sanitary Landfill Compost Facility Design, Kern County, CA. Mr. Violenta prepared design plans for a compost/MRF in Kern County, CA.

Napa Recycle & Waste Service Composting Facility Design, Napa County, CA. Mr. Violenta prepared design plans for the compost/MRF and Covered Aerated Static Pile (CASP) leachate sumps layout in American Canyon, CA.