

Yuberkis Frias

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Education

The City College of New York | New York, NY

January 2020-Current

Master's in Civil Engineering (ENVIRONMENTAL), Water Resources and Environmental Engineering

GPA 3.2/4.0

University Autonomous of Dominican Republic | UASD | Santo Domingo, DR

August 2011-December 2016

Bachelor of Science in Civil Engineering program

GPA 3.1/4.0

Technical Skills

- Mac OS X
- AutoCAD 3D
- Civil 3D 2018 Imperial and metric
- Design Review
- Water CAD
- Microsoft Suites
- BidScope+
- PIMS
- SAP2000
- Primavera P6 scheduled Autodesk
- Benchmark
- Autoturn 10 for AutoCAD

Relevant Experience

NYC Department of Design & Construction | Long Island City, NY

August 2021-Current

Design Engineer

- Conduct design investigation including field investigation of existing condition, analysis of record utility plans and documents, review of sewer inspection reports, review of survey plans.
- Design and detail schematic and final highway construction plans including roadway geometry, curb layouts and profiles, pedestrian/median islands, raised bicycle paths, pavement markings, and vehicle turning analysis.
- Coordinate with consultants on deliverables and conduct engineering review of research reports including subsurface exploration programs, pavement design reports, railroad and trolley track research reports, tree inventory reports, and sidewalk and cellar door inventory reports.
- Designed trunk water main, water main, and sewer design, including chamber design for capital projects.
- Served as the project Envision Sustainability Professional (ENV SP) to oversee the Envision tasks prepared by the consultant ENV SP throughout Preliminary and Final Design.
- Analyzed and site selection for potential green infrastructure improvements. To reduce combined sewer overflow, improve water quality, and enhance the urban environmental by installing right-of-way bioswales, right of way infiltration basins and right-of-way green streets to catch basin and manage stormwater runoff through bio-retention.

NYC Department of Design & Construction | Long Island City, NY

August 2019-August 2021

Junior Engineer (Design)

- Assisted Engineer-in-charge on several key government projects involving roadway designs and improvements resulting in decreasing traffic congestions.
- Collaborated with designers, contractor, and local/states agencies like DOT, DEP, FDNY and DPR to resolve design issues.
- Supervised and designed sewer, water main and highways projects using AutoCAD and reviewed calculations for sheeting design, chamber design, trunk water main and sewer design.
- Supervised and designed 5 consultant and 2 in-house projects resulting in a 75% increase in the time spent completing each project.
- Prepared final contract drawings, bid specifications, and estimate for inhouse projects
- Reviewed and processed no cost change order and invoices for consultant.

- Supervised private water treatment system projects.
- Designed public projects for waste treatment plant and Drinking Water Treatment Plant.
- Performed drafting according to specifications; ensured compliance with all project QA procedures and requirements.
- Worked closely with process engineers for follow up, evaluation, and presented design report for Drinking Water Treatment Plant and Waste Treatment Plant.

Licenses & Certifications:

- Autodesk AutoCAD Certificate
- OSHA 30-Hours Construction Safety and Health License
- PROWAG overview and ADA in temporary traffic control for Path Ramp Certificate
- Member of AWWA
- Institute for sustainable Infrastructure (ENV SP) Certificate and License