

Experience

Working in the concrete construction and city infrastructure 23 years.

Fields of Experience includes water and wastewater treatment facilities, pumping stations, neighborhood reconstruction, new developed subdivisions.

Work History: Major responsibilities have included:

- Costal Water Authority Capers Ridge Pump Station and Raw Water Intake Construction of new river intake and pumping facility on the Trinity River in Liberty County, Texas. The project includes the main intake structure, with four vertical suction pumps 50,000 GPM 2200 HP 3/60/4000v Motors and has static bar screens and stop gates at the entrance to each pump bay. Discharge header piping with control and isolation valves, check valves, and Air/Vacuum Relief valves. 31,250 L.F of Dual 96-inch diameter steel pipe buried transmission mains. Construction on new control building, a maintenance building, an electrical building, and two main disconnect buildings.
- SJRA Demolition and replacement of 2.5 million-gallon pre-stressed concrete ground storage tank, Woodlands, Texas.
- Deer Park Wastewater Treatment Plant Improvements Phase 1 Construction of new Headworks Structure equipped with a mechanical bar screen, a manual bar screen, and with screenings washing and compactor equipment, automated and manual gates, and other ancillary equipment. Construction of a new Ultraviolet (UV) Disinfection Structure equipped with UV lamp modules, power distribution centers, system controls, automatic wiper system, air compressor (air scour), finger weirs, module cleaning tank, motorized influent slide gates, a module cart, parshall flume and other ancillary equipment as specified and shown on the drawings Construction of a new Clarifier Effluent Junction Box to intercept flow from all existing Clarifiers to the new UV Disinfection Structure
- SJRA 30 MGD Surface Water Treatment Plant, Conroe Texas. consisting Raw water intake structure with two 31.5 MGD and one 17375 MGD vertical turbine pumps. Pretreatment four train basin utilizing with three stage flocculators, static mixers and high-rate plate settlers. Membrane structure utilizing eight trains of Pall low pressure membranes. GAC contactor structure utilizing six vertical turbine pumps, two five-million-gallon pre-stressed concrete ground storage tanks and blower building utilizing six 300 HP Neuros turbo blowers. High service pump station utilizing six split case high service pumps with a capacity of 30 MGD. In addition, two thickeners, belt press building, two process water recovery basins and chemical building.
- Southwest Wastewater Treatment Plant Phase 1 Expansion, City of Houston, Texas. The Southwest Wastewater Plant is one of the City of Houston's largest wastewater facilities. The Phase 1 Plant Expansion increases the plant capacity to 40 MGD. Improvements included new diffused air activated sludge basins, a new blower building with Turblex blowers, a new underflow sludge pump station, and various electrical and instrumentation improvements.
- Sims Bayou Pump Station to Hillcroft. Project comprise of 7,055 48"/42" water line by open cut and wood box tunneling. 1,010 linear feet of 12-inch water line by open cut, 2,740 linear feet of 8-inch water line by a

combination of open cut and trenchless construction with 8,600 square yard of 7-inch concrete paving. In addition to oversee the improvements for a 6400 square foot facility at the Southwest Pump station.

- Lindale Park Overlay Project Q-1120-01-3. Responsible for compliance of contract documents, and inspection of 175808.73sy of crown reduction, 175808.73sy of recycle subgrade and 175808.73sy asphalt overlay.
- Neighborhood street reconstruction #428 Heights. Responsible for compliance of contract documents, and inspection of 73589sy of 6" asphalt, 12291sy of 6" concrete pavement and 5702sy 8" concrete pavement. 5954 LF of 8" water main, 2508 LF of 8" sanitary main and 11140 LF of RCP Storm main and inlets.
- East TC Jester Blvd from 11th to W18th. Inspection of 6006sy of 8" asphalt, 8" concrete pavement. 4840 LF of 12" water main, and 111 LF 42", 450 LF of 30" and 1128 LF 24" of RCP Storm main and inlets
- Kenswick Dr from Will Clayton Parkway to FM 1960. Inspection of 45176.26sy of, 8" concrete pavement. 7435 LF of 12" and 2703 LF of 8" water main. 2742 LF 20", 1417 LF 18", 1834 LF 15" 3085 LF 12" and 1703 LF of 10" of sanitary main. 262 LF 72", 1050 LF 66", 2311 LF 60", 638 LF 54", 380 LF 48", 1328 LF 36" 801LF 30" and 800 LF 24" of RCP Storm main and inlets
- Barrington Subdivision. Inspection of 10759.26 LF of 12", 2720 LF 6" and 5296 LF of 4" water main. 10759.26 LF 12", 10020 LF of 6" of sanitary main.
- Lakewood Cove. Inspection of 24523.62sy of, 8" concrete pavement and 24523.62 lime stabilized subgrade. 11750 LF of 8" and 313 LF of 6" water main. 11900 LF 8", and 400 LF of 6" of sanitary main and 6080 LF 24" of RCP Storm main and inlets
- Kingspoint Subdivision. Inspection of 19750sy of, 8" concrete pavement and 19750sy lime stabilized subgrade. 3519.20 LF of 8", 3449 LF of 6", and 1685 of 4" water main. 517.4 LF 24", 334 LF 8", and 2012.04 LF of 6" of sanitary main. 987.39 LF 36", 658.37 LF 30", and 1527.46 LF 24" of RCP Storm main and inlets
- Riverchase Subdivision. Inspection of 5786sy of, 8" concrete pavement and 5786sy lime stabilized subgrade. 608.84 LF of 8", 1174.39 LF of 6", and 221.69 of 4" water main. 431.69 LF 10", 1864 LF 8", and 906.53 LF of 6" of sanitary main. 150.44 LF 30", and 1611 LF 24" of RCP Storm main and inlets
- Woodsprings Subdivision. Inspection of 2666.66sy of, 8" concrete pavement and 2666.66 sy lime stabilized subgrade. 3600 LF of 20", 9900 LF of 8", 1600 of 6", and 1300 of 4" water main. 1200 LF 15", 4000 LF 8", and 1600 LF of 6" of sanitary main. 800 LF 72", 800 of 60", 300 of 36", 1700 of 30", and 3800 LF 24" of RCP Storm main and inlets
- North Kingwood Forest Subdivision. Inspection of 22877sy of, 8" concrete pavement and 22877sy lime stabilized subgrade. 5934.54 LF of 8", 705.6 LF of 6", and 430.6 of 4" water main. 1964.84 LF 12", 5650.97 LF 8", and 1589.63 LF of 6" of sanitary main. 387.11 LF 54", 1098.14 LF 48", 513.86 LF of 36", 497.26 LF of 30", and 2597 LF 24" of RCP Storm main and inlets

Professional Positions

Brian Smith
Chief Inspector

Houston, Texas

Klotz
Chief Inspector

Houston, Texas

Kalluri Group, Inc.
Resident Inspector

Houston, Texas

Othon Engineering
Resident Inspector

Houston, Texas

KBR
Resident Inspector

Houston, Texas

City of Houston
Inspector

Houston, Texas