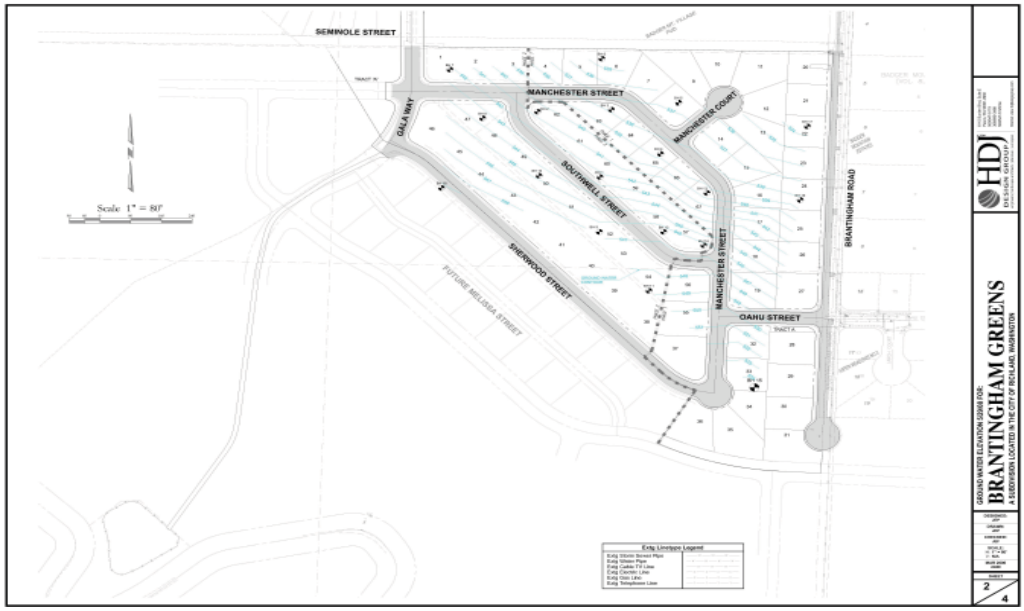
Brantingham Heights / Lexington Heights

Richland, Washington



Brantingham Heights and Lexington Heights are planned developments located in south Richland consisting primarily of single family residential lots.

HDJ personnel provided a full range of services for this project including all site planning, layout, permitting and utility design as well as dealing with site geotechnical and geohydrology issues. Civil engineering on this project entailed sanitary sewer and water main extensions, hydrologic and hydraulic calculations for storm drainage design, and a master planned irrigation system that including a new canal turnout, pond, and irrigation pump station and distribution system.

Geotechnical challenges at this site included addressing elevated groundwater conditions and devising a groundwater exfiltration system. HDJ prepared all construction plans and specifications, and coordinated the work with all reviewing agencies, utility companies and sub-consultants.

Services

- Planning and Permitting
- Site Layout & Design
- Civil Engineering Design
- Geotechnical Investigation & Design Specifications
- Geohydrology Investigation

Design Features

- Site Area: 109.0 Acres
- Single Family Residential
- Sanitary Sewer, Water, Storm Conveyance Design
- Site Grading
- Complete Construction Plans & Specifications
- Master Planned Irrigation Distribution System
- Irrigation Pump Station & Pond Design
- Canal Turnout
- Groundwater Exfiltration System Designs