



NicNevol

Engineering Services



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Interlachen C&D Facility – Geotechnical Exploration

Location: Interlachen, Putnam County, FL

Owner: Private Developer

Markets: Industrial, Solid Waste, Geotechnical Engineering

Services: Geotechnical Exploration, Subsurface Investigation, Laboratory Testing, Foundation & Earthwork Recommendations.

Project Description

NicNevol Engineering Services performed a geotechnical exploration for the proposed Construction & Demolition (C&D) debris disposal facility in Interlachen, FL.

The study evaluated subsurface conditions across the ~20-acre site to support design and permitting of the C&D facility. Field activities included Standard Penetration Test (SPT) borings, laboratory testing, and groundwater observations. Soils encountered included medium dense sands underlain by clayey sands and sandy clays at depth, with groundwater observed at shallow depths (~5 ft).

Engineering recommendations were provided for site preparation, excavation, fill placement, compaction, stormwater/drainage management, and foundation design considerations for ancillary structures at the facility.

NicNevol Responsibilities

- Performing subsurface investigation with SPT borings.
- Logging soil profiles and groundwater conditions.
- Conducting laboratory classification and moisture testing.
- Preparing recommendations for excavation, fill, and compaction.
- Advising on stormwater/drainage and groundwater control.
- Delivering final geotechnical report with design parameters.



Project Highlights

- Client: Private developer – Interlachen, FL.
- Proposed C&D debris disposal facility (~20 acres).
- Field program: SPT borings, groundwater observations.
- Subsurface profile: medium dense sands over clayey sands/sandy clays.
- Groundwater: ~5 ft below surface.
- Recommendations: site clearing, fill placement, compaction, drainage and stormwater management measures.

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Delivering engineering expertise that supports safer, stronger infrastructure.

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