

CATES LANDING MULTI-PURPOSE DOCK — TIPTONVILLE, TENNESSEE

Northwest Tennessee Regional Port Authority

PND designed this 262-foot-long, 62-foot-high bulkhead using an OPEN CELL SHEET PILE™ structure, with a deck that will be above the 100-year floodplain level, a particularly important feature for this inland waterway location. The owner originally envisioned a pile-supported platform dock for the site, but favorable soil conditions allowed for a bulkhead that when filled will extend the existing embankment forward and create four additional acres of gravel-surfaced work area. This site is in close proximity to the New Madrid Seismic Zone, so the barge terminal structure was designed to withstand the high earthquake potential. The project is currently under construction and is expected to be completed in the fall of 2012.



