

PROJECT PROFILE



ANY SIZE.
ANY SHAPE.
ANY HEIGHT OR DEPTH.

LOCATION: **CINCINNATI, OHIO | USA**

PRECASTER: **LINDSAY CONCRETE PRODUCTS**

STORMWATER DETENTION BASIN



THE SITUATION:

Stormwater detention basins are useful to help prevent flooding and erosion. In this case, a stormwater detention basin was being installed under a parking lot for Cracker Barrel in Cincinnati, Ohio. This 600,000-gallon system required a watertight product to seal the joints for optimum system performance.

THE SOLUTION:

To provide the watertight seal, CS-102 was used in the joint of the stormwater detention basins. To help ensure water tightness, and prevent backfill from getting in the joint during backfill, CS-50 primer and ConWrap CS-212 were used on the exterior sections of the stormwater detention basins. This combination provided the required watertight seal of the stormwater detention basins.

SEALANT APPLICATION:

BOX CULVERTS

APPLICABLE INDUSTRY STANDARDS:

ASTM C990
ASTM C877 TYPE III

PRODUCTS USED:

CS-50
LIQUID BUTYL PRIMER

CS-102
BUTYL RUBBER SEALANT

CS-212
POLYOLEFIN BACK
EXTERIOR JOINT WRAP