

File#: ST08-19201



OBJECTIVE:
 AASHTO HS-20 loading
 with only 6" of cover

Project Description:

Client needed maximum underground storm water detention with minimal site depth. Solution: StormTrap, SingleTrap system. System provided loading strength in excess of HS-20 with only 6" of cover allowing the client to construct a parking lot directly over the StormTrap system.

The system was constructed with 44 modular units of 6,000 PSI precast concrete. 3/4" stone between 8" strip footings allowed for recharge of storm water. The minimal footprint of the system helped minimize cost while providing maximum storage volume.



Project Specs:

- Category:** SingleTrap
- Project Name:** 21st Century Academy
- Project Location:** Gary, IN
- Project Engineer:** CE Design
 (www.cedesignltd.com)
- Project Contractor:** Bouma Construction
 (www.boumaconstruction.com)

Specifications:

- Volume:** 16,319.50 ft³
- Units:** 44 Pieces
- Installation:** 1 Day/Crane

- System:** 5'-0" SingleTrap
- Foundation:** Strip Footings
- Function:** Retention/Infiltration