Notes:
- Box culverts manufactured to ASTM C-1577 specifications w/ HL-93 standard loading & 4’ to 7’ of cover. Steel design by Delta Engineers.
- Interior box joints & end cap to be sealed w/ 1/8” EZ-Stik & EZ-Primer.
- Exterior top and sides of joints for detention system to be sealed with 1” wide Mel-Dek & Mel-Prime along with Mastic & 36” wide Mirafi Filter Fabric.
- Connections between separate box runs will be via 12” Ø PVC groused in 16” Ø Holes. (12” PVC & grout by others)
- Separate box runs will have a 2’ gap between them & filled with grout. (Grout supplied by others)
- Boxes to have weep holes in base in various locations to allow system to drain dry.
- Contractor to seal handling & weep holes by applying approved mastic around the holes and then applying 2 layers of mirafi filter fabric as directed by the engineer before backfilling.
- Contractor to seal lift holes w/concrete plugs & apply approved mastic over the plugged holes as directed by the engineer before backfilling.
- Boxes are designed with lift holes cast in for use with coffee pots and cables. Equipment as well as cables required for unloading and installation to be provided by contractor.
- Each section will weigh approximately 7,875 Lbs / L.F.
- Heaviest lift will be 16.00 Tons.

Box Culvert Quantities

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Pittsfield Mixed Use Development - Retention System
System D1 - Overall Layout

Proposed - System D1 - 23’-6” x 5’-6” Dual Cell

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