Approximate Bill of Materials:

1" HDPE: 2- saddles, 4- 90's and throw 100 LF of 1"
2" HDPE: 250 LF Pipe, 4-90 degree bends, 2" connection to 1-1/2" NPT
3" HDPE: 80 LF Pipe, 4-90 degree bend, 3" groove x flg adapter
4" HDPE: 85LF Pipe, 2- 4x2 saddles, 1- flanged connection
6" HDPE: 320 LF Pipe, 16-90 deg bends, 6 end caps, 1 tee, 7 flanges, 2- 6x3 reducers, 2- 6x1 saddles, 1-6x1 saddle for ARV, 1- Restrained Flanged Coupling Adapter
8" HDPE: 80 LF Pipe, 4-90 degree bend, 3- 8" groove x flg adapter, 8x4 reducer, 8x6 reducer

Diagram:

- 20 LF 6" pipe for intake - 6 end caps, 1 tee, 1 90
- 120 LF 6" Suction - 1-90 bend, Flanged Connection to Pump?
- 65 LF 4" Discharge. Flanged connection to Pump?
- 80 LF 6" Pipe, 7 90 bends, 2 6" flanges
- 8 LF 3" flanged connection at top of tank
- 6" to 3" flanged connection at bottom of tank
- 30 LF 6" Discharge. Saddle with ARV, 3-90's, Restrained Flg Coupling Adapter
- UV has 6" Flanged connections, Horizontal inlet, vertical outlet, so need another 90.
- 4 Planged Connections, 4- 90 bends, 60 LF 6" Pipe
- 2-11 saddles for chemical addition
- 2" saddle for blow off, 30 LF 2" HDPE, Need to put a throttling valve on line, 2-90 bends
- 89 LF 3" and 8" Pipe, 2-90 bends, 2-6x3, 1-6x1 saddle for ARV, 1- Restrained Flanged Coupling Adapter
- 200 LF 2" HDPE to connect to 1-1/2" NPT on Sump Pump, 2-50 bends
- 9" Grooved Connection to Trailer, 6x6 Reducer
- 3" Grooved Connections, 90 bends down and over
- 4" to 8" connection on Pail. Need reducers and connect to "Standard Pipe Groove", Vicuaut?
- V-50 Water valve.
Floats

To LS Pump

Approx 1000
2½" holes

54'

54'
System Curve - Pall to FCFSP East Tank
11-1-16

- C=120 - Max. Static Head
- C=120 - Min. Static Head
- Godwin HL110M- 1800 RPM
- Godwing HL110- 1600 RPM
- Godwing HL110- 1400 RPM
System Curve - Pall to FCFSP East Tank
11-1-16

- **C=120 - Max. Static Head**
- **C=120 - Min. Static Head**
- **Godwin HL110M - 1800 RPM**
- **Godwing HL110 - 1600 RPM**
- **Godwing HL110 - 1400 RPM**
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<tr>
<th>DATE</th>
<th>VOLUME GALLONS</th>
<th>RAW WATER</th>
<th>FILTRATE</th>
<th>SOURCE TURBIDITY (DAILY)</th>
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<th>pH (DAILY)</th>
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Southeast Tennessee Drought Study
Reservoir Capacity: 2,000 Mgal
Drainage Basin Area: 6 sq mi
Reservoir Capacity: 60 Mgal
Drainage Basin Area: 60 sq mi
I simply want to thank all of the people who helped make this happen. TDEC, TDOC, TDOT, utility companies, manufacturers, even my competitors all working together for the common good. I might've been raised a Virginia gentleman, but I've never been prouder to be a Volunteer. What we did in three weeks is astounding.

Thank you to everyone who contributed.
We had a long way to go and a short time to get there, but we did what they said can’t be done.
Questions?
Mike Bernard
615-210-5349
MBernard@ssr-inc.com