

# DN TANKS

Prestressed Concrete  
Wire-Wound Storage Tanks

Dan McVay – Regional Manager



*GENERATIONS STRONG*

# DN TANKS SALES REGIONS

April 2013



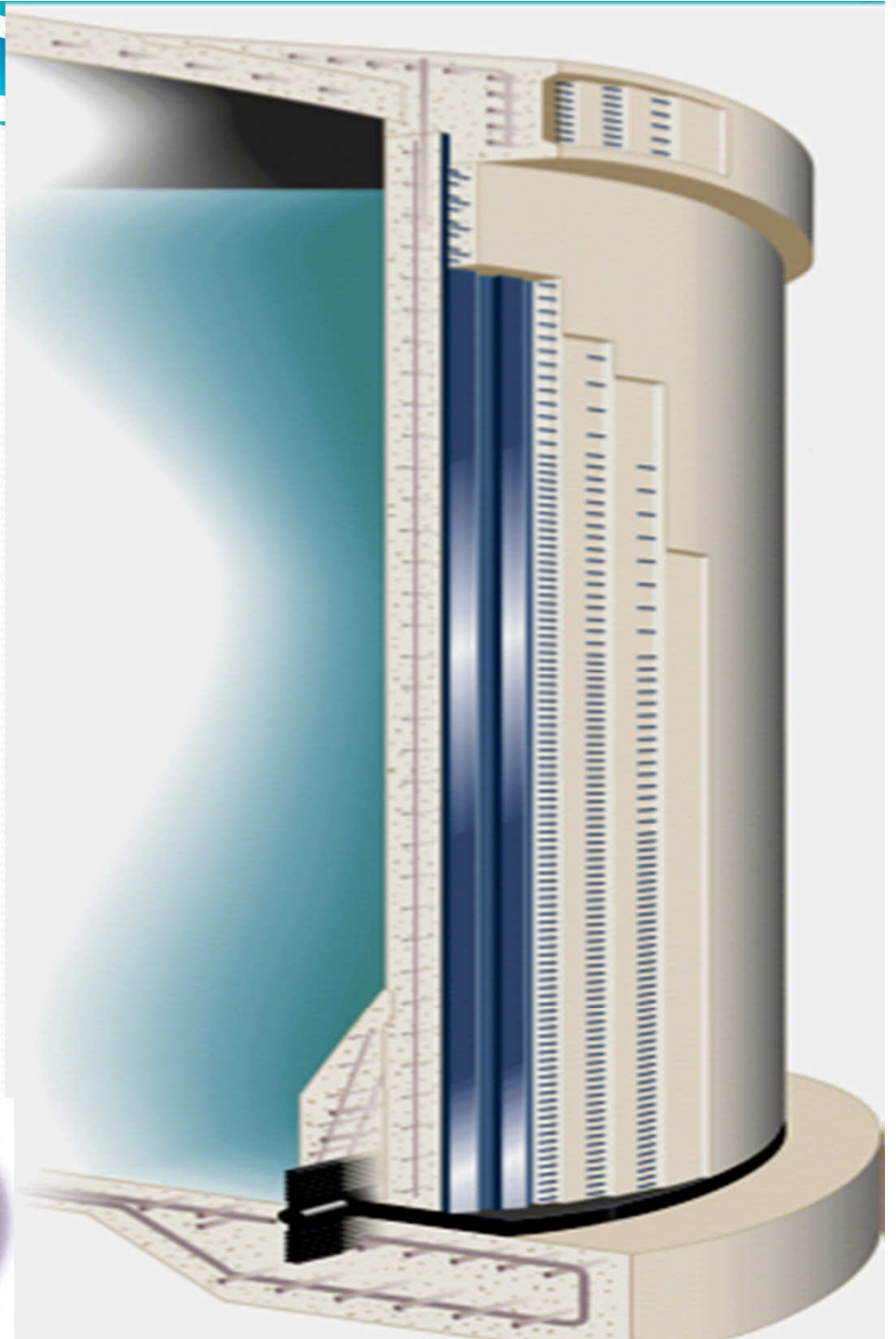
# What we provide

- The highest value tank
- Custom sizes from 70,000 gallons to 40,000,000 gallons and beyond
- Heights up to 85-feet



## AWWA D110 TYPE 3

- Precast concrete corewall
- Embedded steel diaphragm
- Multiple layers of horizontal wire prestressing
- Flexible floor-wall connection





# Type 3 Wall Construction





# Floor Construction

Cast In Place



Precast



Flat Slab



Open Top



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# Roof Types





**Mason, OH Water Storage Tank**  
**2003      2.0 MG**  
**122' diameter x 23' swd**  
**Owner: Greater Cincinnati Water Works**  
**Engr: Gannett Fleming**





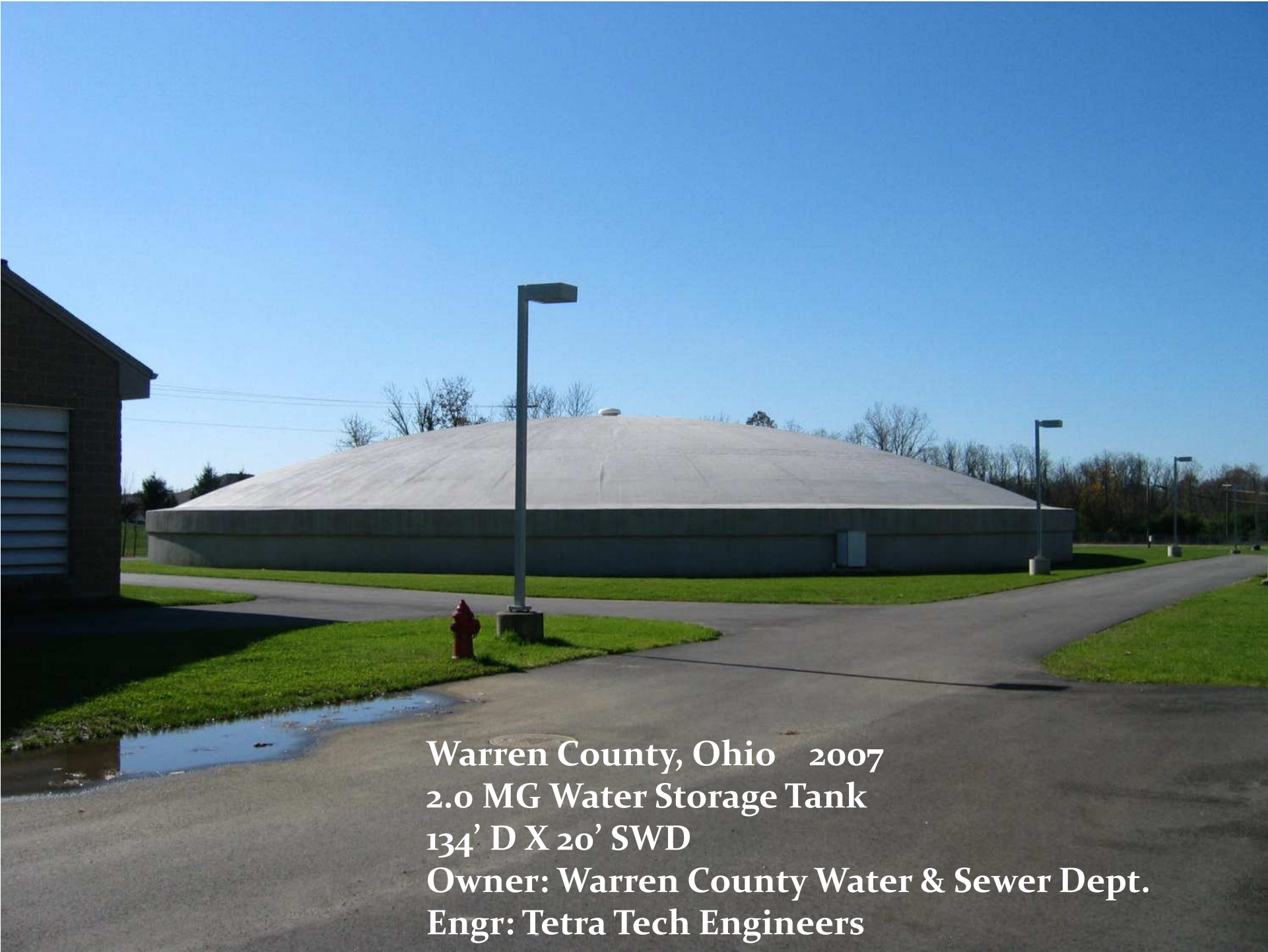
**Owner: Greater Cincinnati Water Works 2.5 MG  
Water Storage Tank 2001 130.5' diam x  
25' swd Engr: MWH**



**Moscow, OH Dual Cell Water Storage Tank**  
**2007      500,000-Gallons**  
**58' diam x 25' swd**  
**Owner: Tate Monroe Water Association**  
**Engr: Burgess & Niple, Ltd**



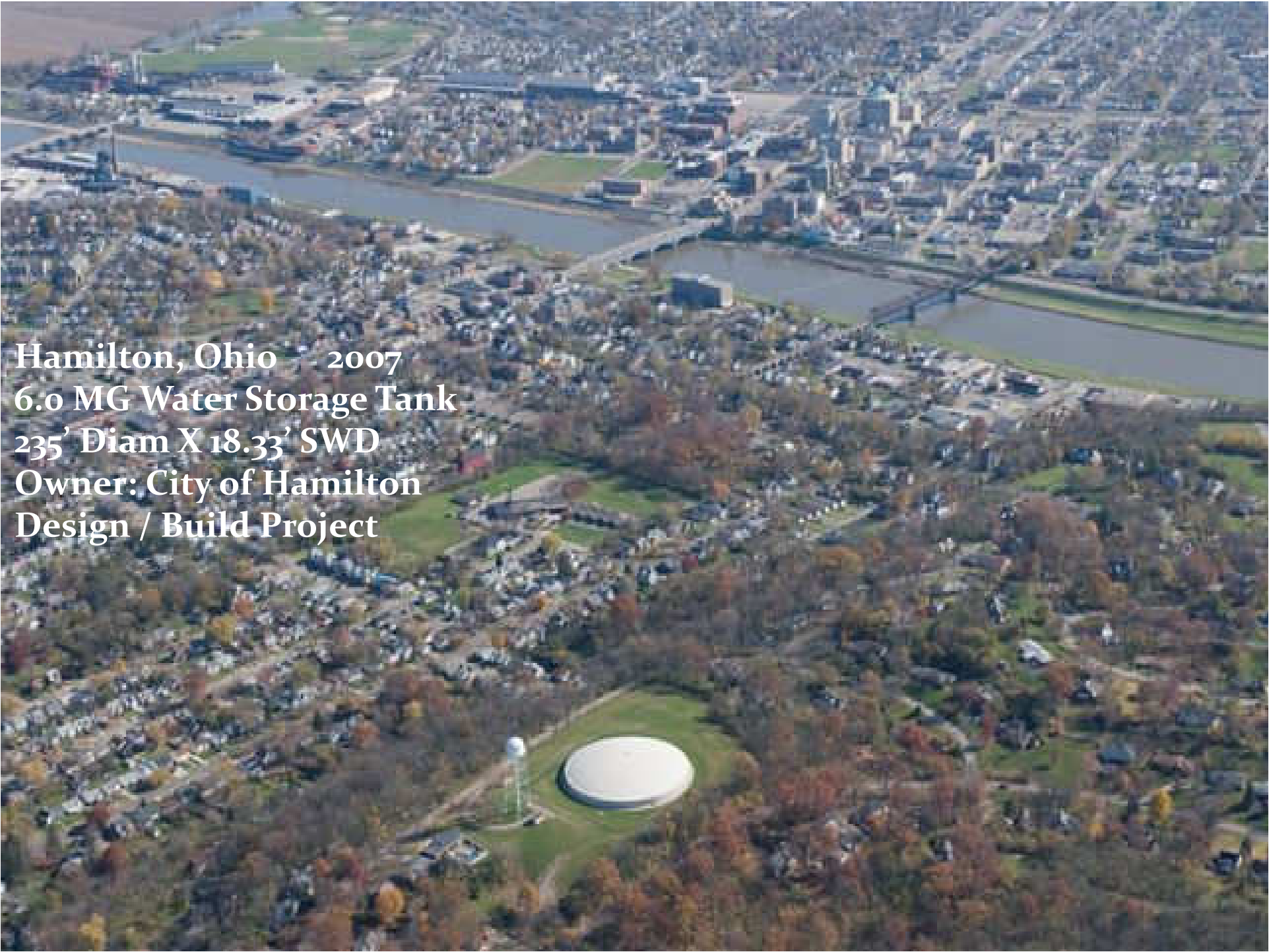
Butler County, OH 2.1 MG Water Storage Tank  
2010 105' diam x 33' SWD  
Engr: Arcadis (Malcolm Pirnie)



**Warren County, Ohio 2007**  
**2.0 MG Water Storage Tank**  
**134' D X 20' SWD**  
**Owner: Warren County Water & Sewer Dept.**  
**Engr: Tetra Tech Engineers**



**Hamilton, Ohio 2007**  
**6.0 MG Water Storage Tank**  
**235' Diam X 18.33' SWD**  
**Owner: City of Hamilton**  
**Design / Build Project**

An aerial photograph of Hamilton, Ohio, showing a large circular water storage tank in a wooded area. The tank is surrounded by trees and a small building. In the background, a river flows through the city, with several bridges crossing it. The city is densely packed with buildings and streets.

Hamilton, Ohio 2007  
6.0 MG Water Storage Tank  
235' Diam X 18.33' SWD  
Owner: City of Hamilton  
Design / Build Project



**Montgomery County, OH  
(David Road - Kettering)**

**2003 2.0 MG**

**105' diam x 31' swd**

**Engr: MWH Global**



**Fairborn, OH Clearwells**

**1989 & 2003 (l to r)**

**1.5 MG each 132' diam X 15' swd**

**Engrs - Woolpert & URS (l to r)**





City of Trenton, OH 2005  
.5 mg Clearwell 59' diam x 25' swd  
Engr: AECOM (Earth Tech)



**Enon, OH (Springfield) Water Storage Tank 1.0 MG 53' diam x 61' swd  
Owner: Clark County Utilities Engr: Lockwood, Jones & Beals**



**Baltimore, Ohio — 2008**  
**500,000-Gallon Water Storage Tank**  
**69' diam x 18' swd**  
**Engr: CDM Smith (Wilbur Smith)**



**Delaware County Rural Water, OH 2004**  
**4ea - Clearwells 1.0 MG Each**  
**Diam 118' x 12.25' SWD**      **Engr:**  
**Arcadis (Malcolm Pirnie)**



**City of Lancaster, Ohio Clearwells 2000**  
**2 ea 500,000-Gallons 73' diam x 16' swd**  
**Engr: URS Corp**

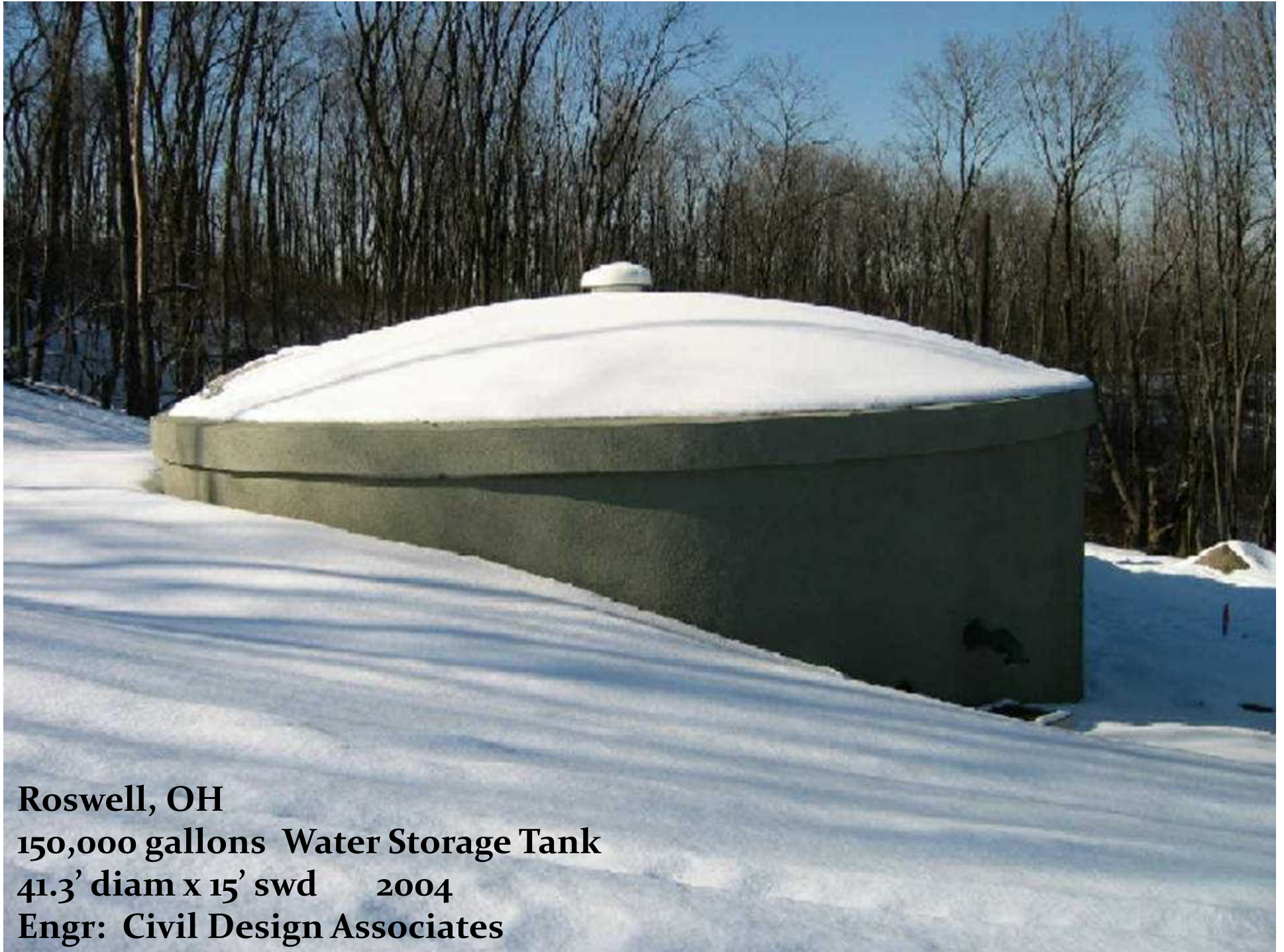


**Northwood, OH**  
**2010 1.5 MG Water Storage Tank**  
**Northwestern Water & Sewer District**  
**Engr: Poggemeyer**

**Owner:**



**New Philadelphia, OH**  
**1.0 MG Clearwell 2004**  
**116.75' diam x 12.5' swd**  
**Engr: Civil Design & Assoc**



**Roswell, OH**  
**150,000 gallons Water Storage Tank**  
**41.3' diam x 15' swd 2004**  
**Engr: Civil Design Associates**





Village of Fredericksburg, OH  
160,000 gallon dual cell clearwell  
40' diam x 17' swd  
2009 Engr: Engineering Associates



North Canton, OH  
1.0 MG Water Storage Tank  
80' diam x 27' swd 2000  
Engr: Burgess & Niple Ltd.



E. Liverpool, OH  
3.0 MG Tank w/Tank  
112' diam x 43' swd  
Engr: DLZ - 2005



**E. Liverpool, OH  
3.0 MG Tank w/Tank  
112' diam x 43' swd  
Engr: DLZ 2005**



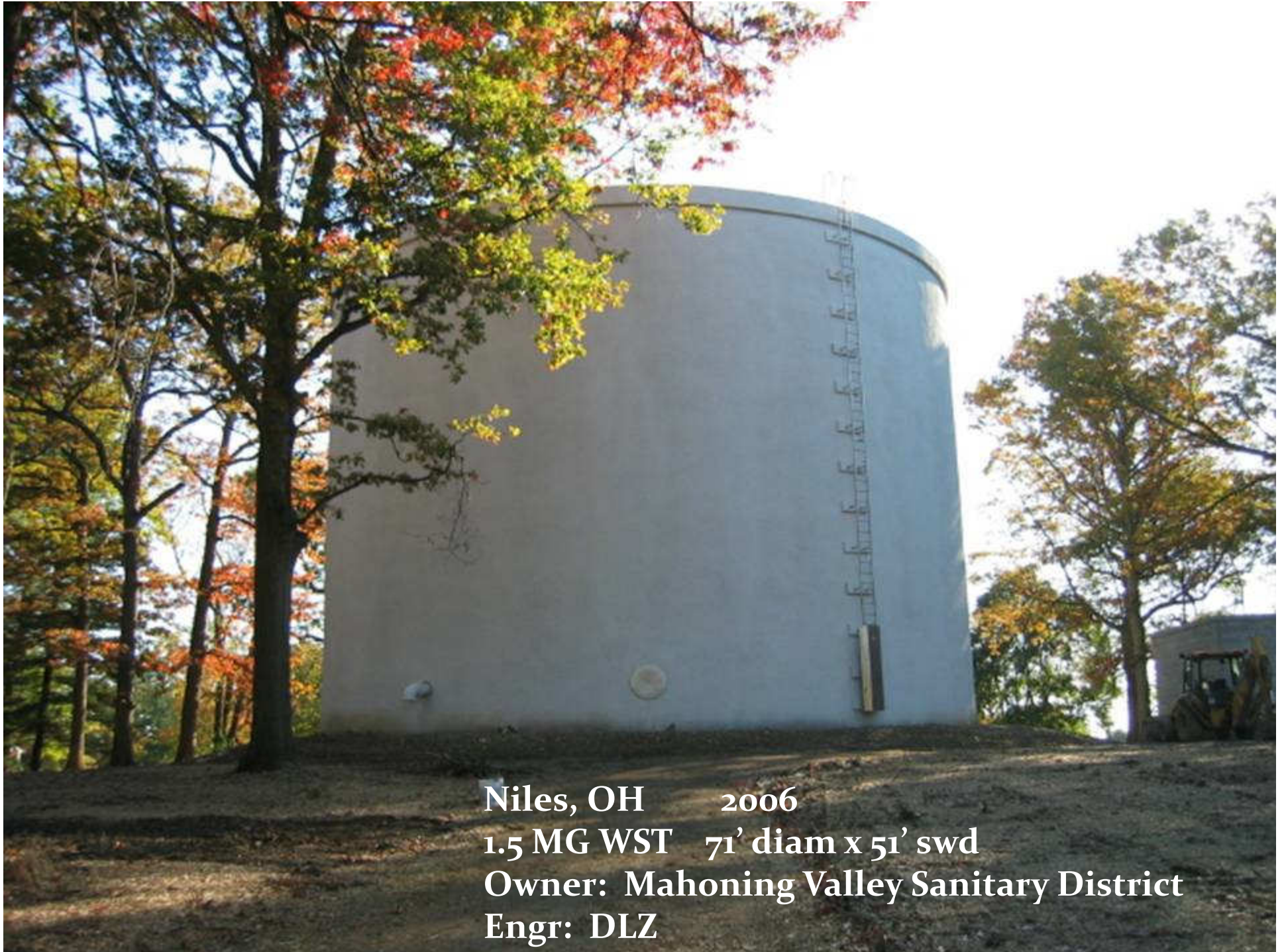
**E. Liverpool, OH  
3.0 MG tank within a tank  
112' diam x 43' swd  
Engr: DLZ Engineers 2005**



**Willoughby, Ohio 1983**  
**Owner: Lake Co. Dept Utilities**  
**5.0 MG WST 165' diam x 33' swd**  
**Engr: CT Consultants**



**North Royalton, OH 2000    Owner: Cleveland Div of Water    5.0 mg  
WST (2.0 / 3.0)    212' diam x 20' swd    Engr: AECOM (M & E)**



**Niles, OH      2006**  
**1.5 MG WST   71' diam x 51' swd**  
**Owner: Mahoning Valley Sanitary District**  
**Engr: DLZ**

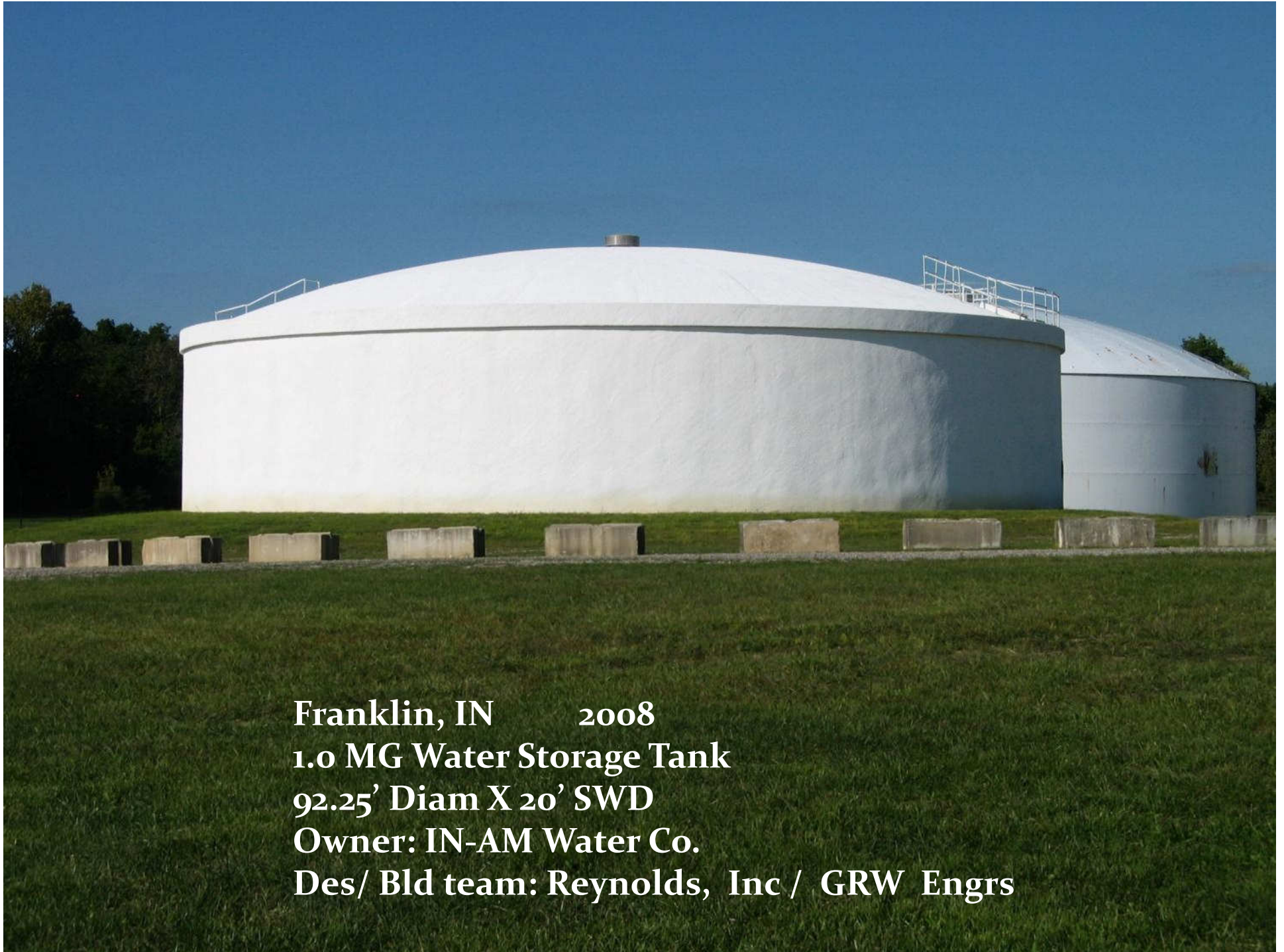




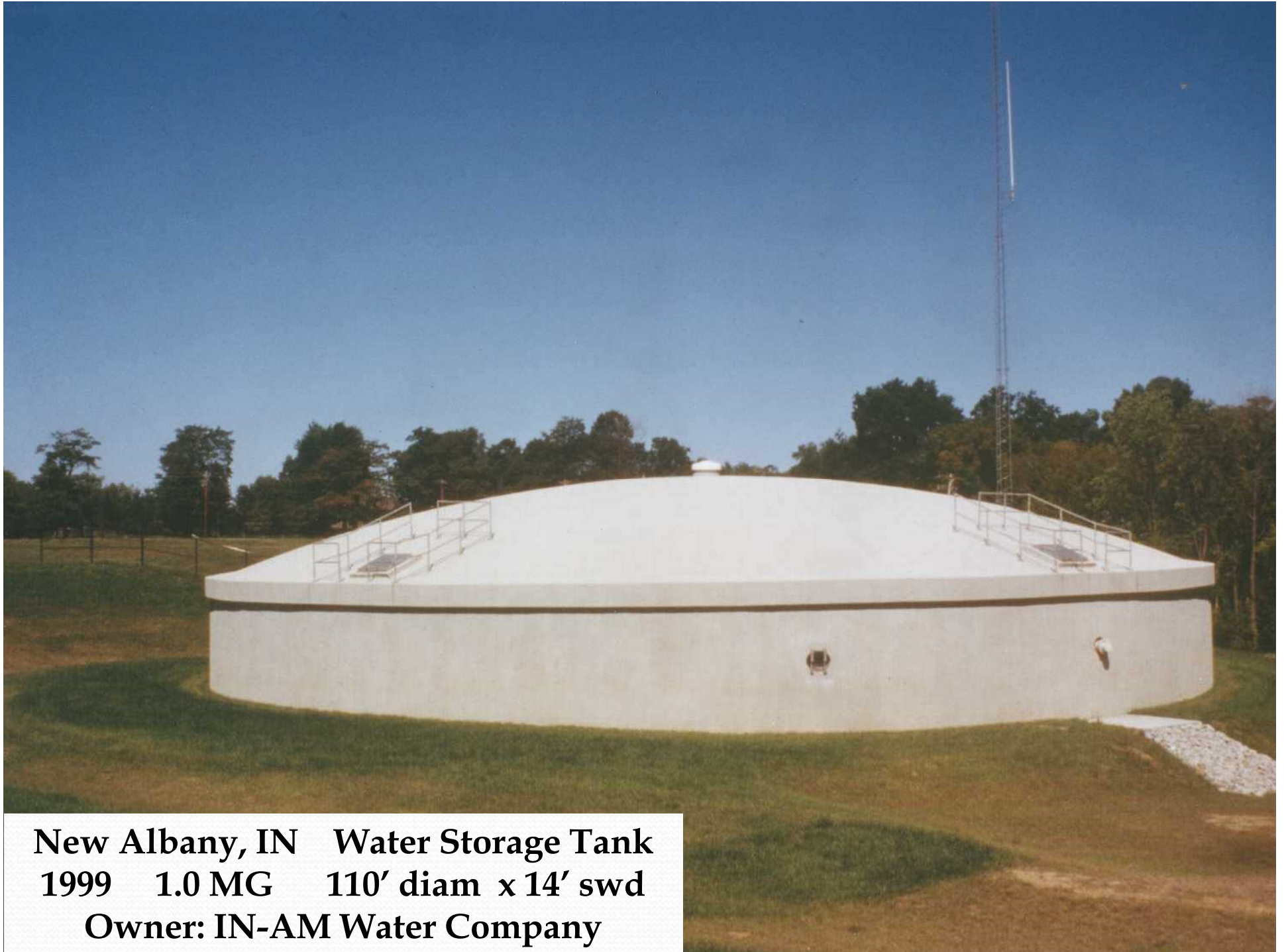
**Lawrenceburg, Indiana Water Storage Tank**  
**1997 1.0 MG 79' diam X 27.6' swd**  
**Engr: GRW Engineers**



**Lawrenceburg, IN Clearwells**  
**2006 Two 250,000-Gallons**  
**44' diam x 22' swd**  
**Engr: GRW Engineers**



**Franklin, IN      2008**  
**1.0 MG Water Storage Tank**  
**92.25' Diam X 20' SWD**  
**Owner: IN-AM Water Co.**  
**Des/ Bld team: Reynolds, Inc / GRW Engrs**



**New Albany, IN Water Storage Tank  
1999 1.0 MG 110' diam x 14' swd  
Owner: IN-AM Water Company**

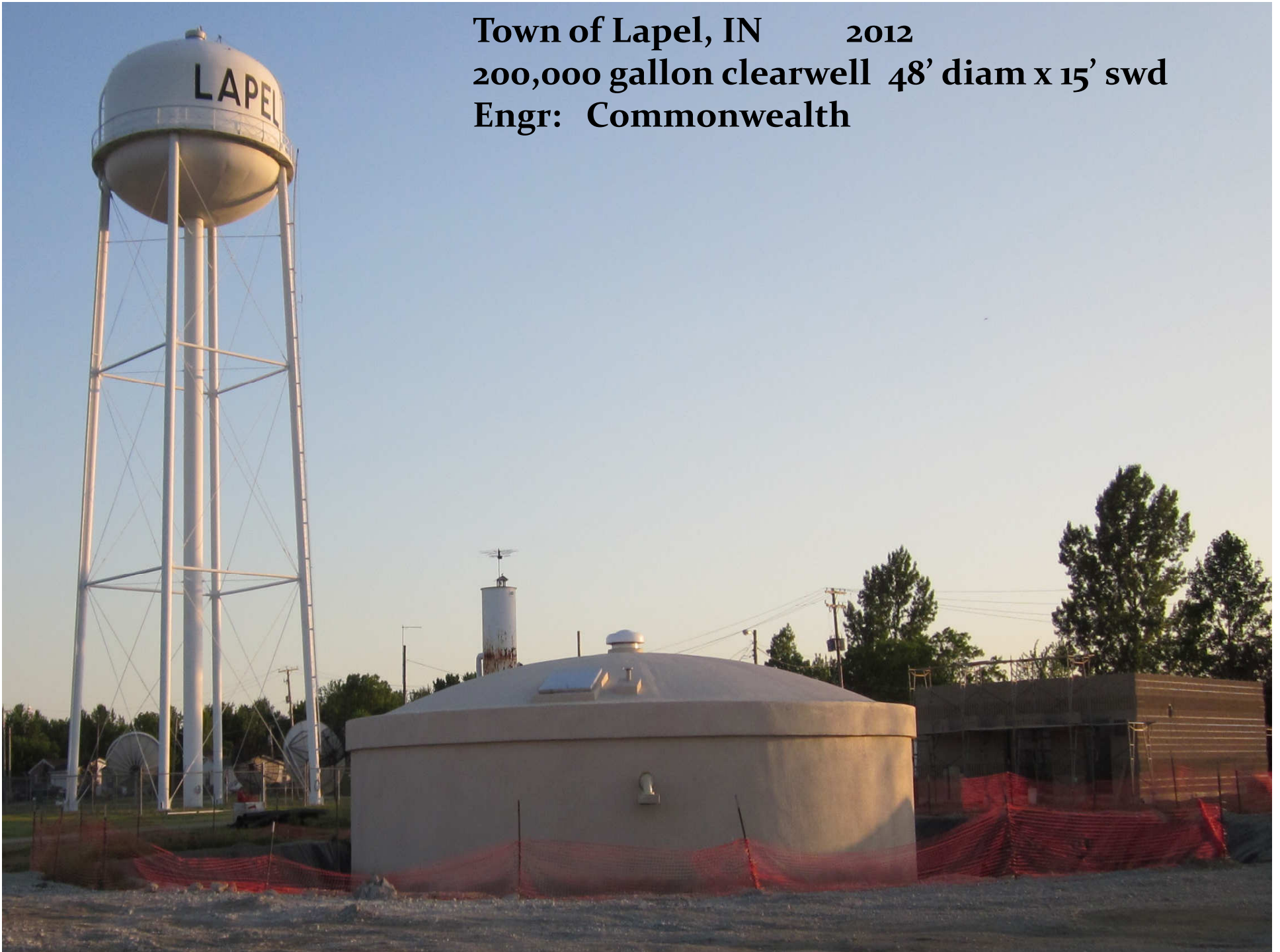


**Sellersburg, IN Water Storage Tank**  
**2004 2.0 MG 82.6' diam x 50' swd**  
**Owner: Silver Creek Water Corp**  
**Engr: Jacobi, Toombs & Lanz**



**Goshen, Indiana Water Storage Tank  
2002 500,000-Gallon 92' Diam x 10' SWD  
Engr: DLZ (Dodzik Engineering)**

**Town of Lapel, IN      2012**  
**200,000 gallon clearwell 48' diam x 15' swd**  
**Engr: Commonwealth**





**Carmel, IN Gray Road Park WST  
2007 1.5 MG 101' diam x 25' swd  
Engr: Jones & Henry**