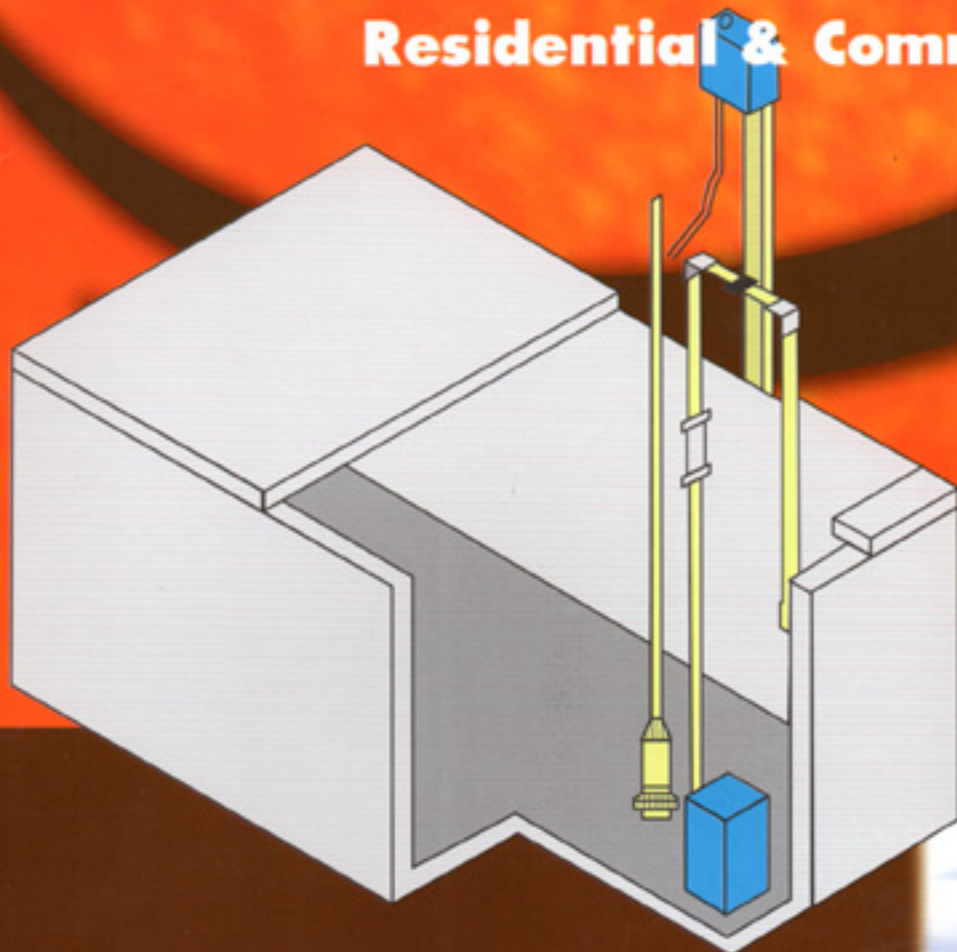


# LIFT STATIONS/ DOSING TANKS

**Residential & Commercial**



*Our Residential lift stations & Dosing Tanks are delivered to your site fully plumbed. All that is needed is power run to the tank and our certified electrician will wire the system ready to run.*



## **SCIOTO VALLEY PRECAST**

American Made Products From A Family Owned Company

Phone: 740-663-2659 Fax: 740-663-2017

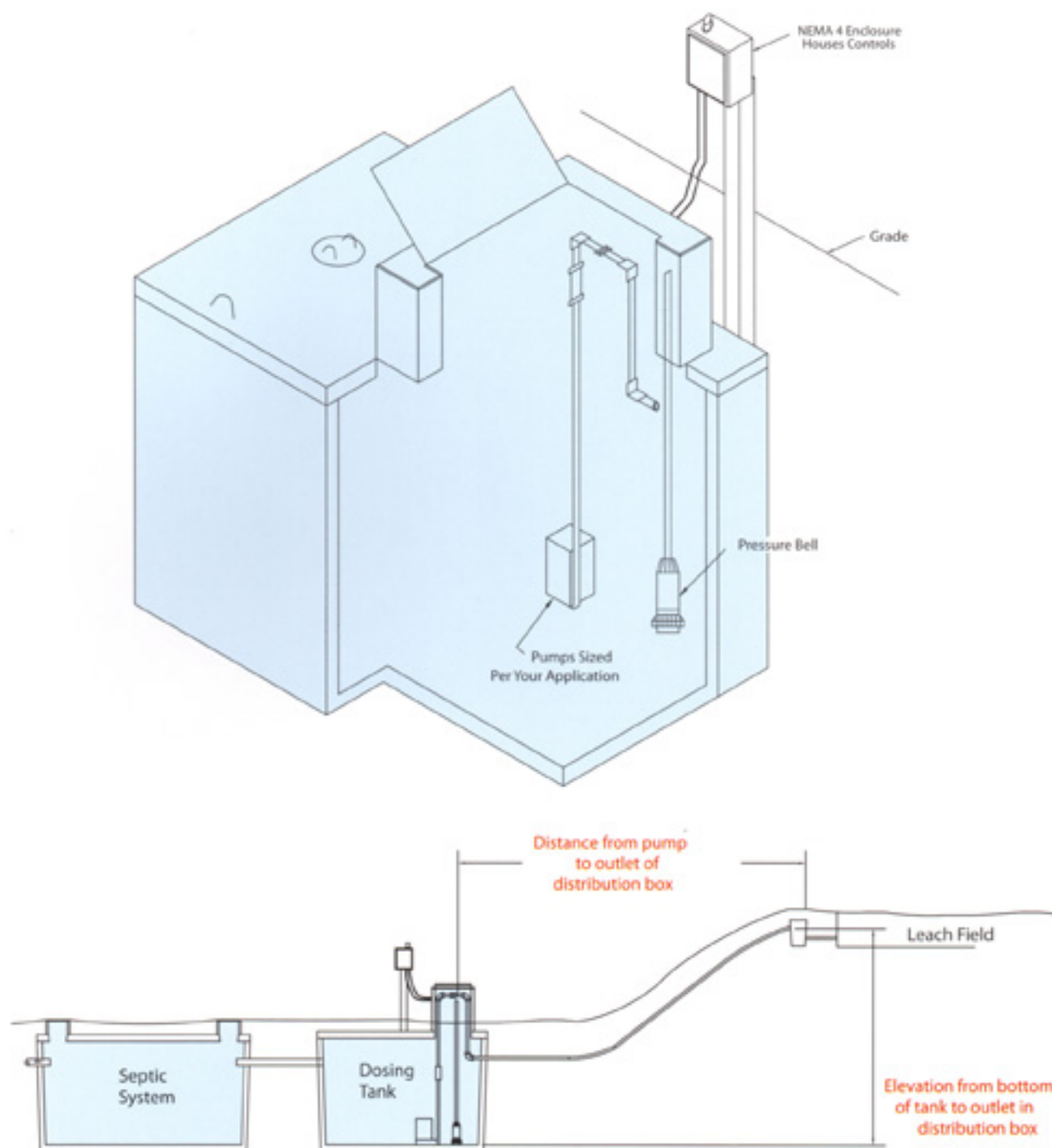
[www.sciotovalleyprecast.com](http://www.sciotovalleyprecast.com)

# LIFT STATION/DOSING TANK CONTROL PANEL & PRESSURE BELL





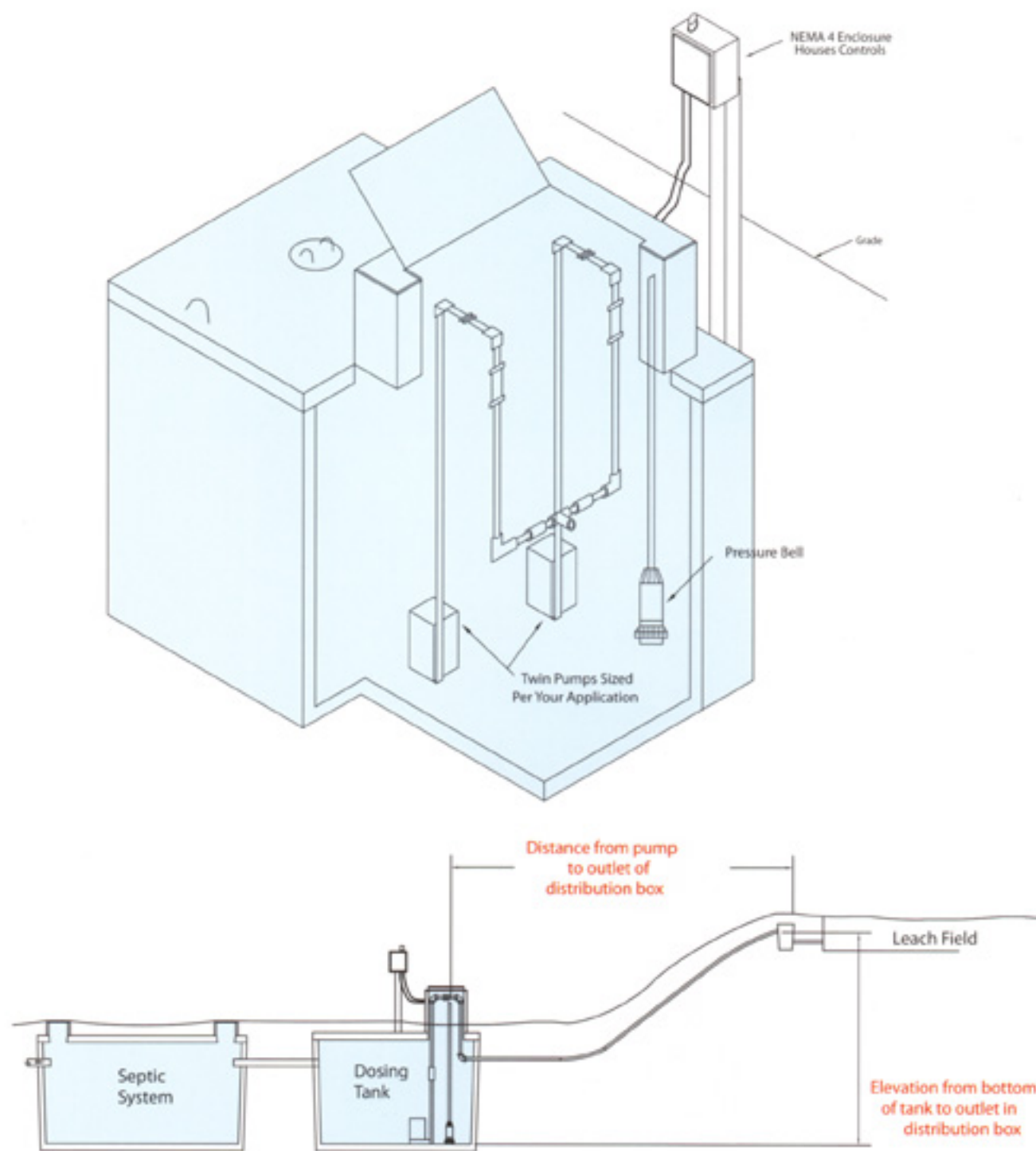
# SINGLE PUMP LIFT STATION & DOSING TANK



*Distance from pump to distribution box and the elevation from the pump to the distribution box are needed to properly size the dosing tank pump.* **3**

*Optional Equipment: Simplex Elapsed Time Meter & Cycle Counter*

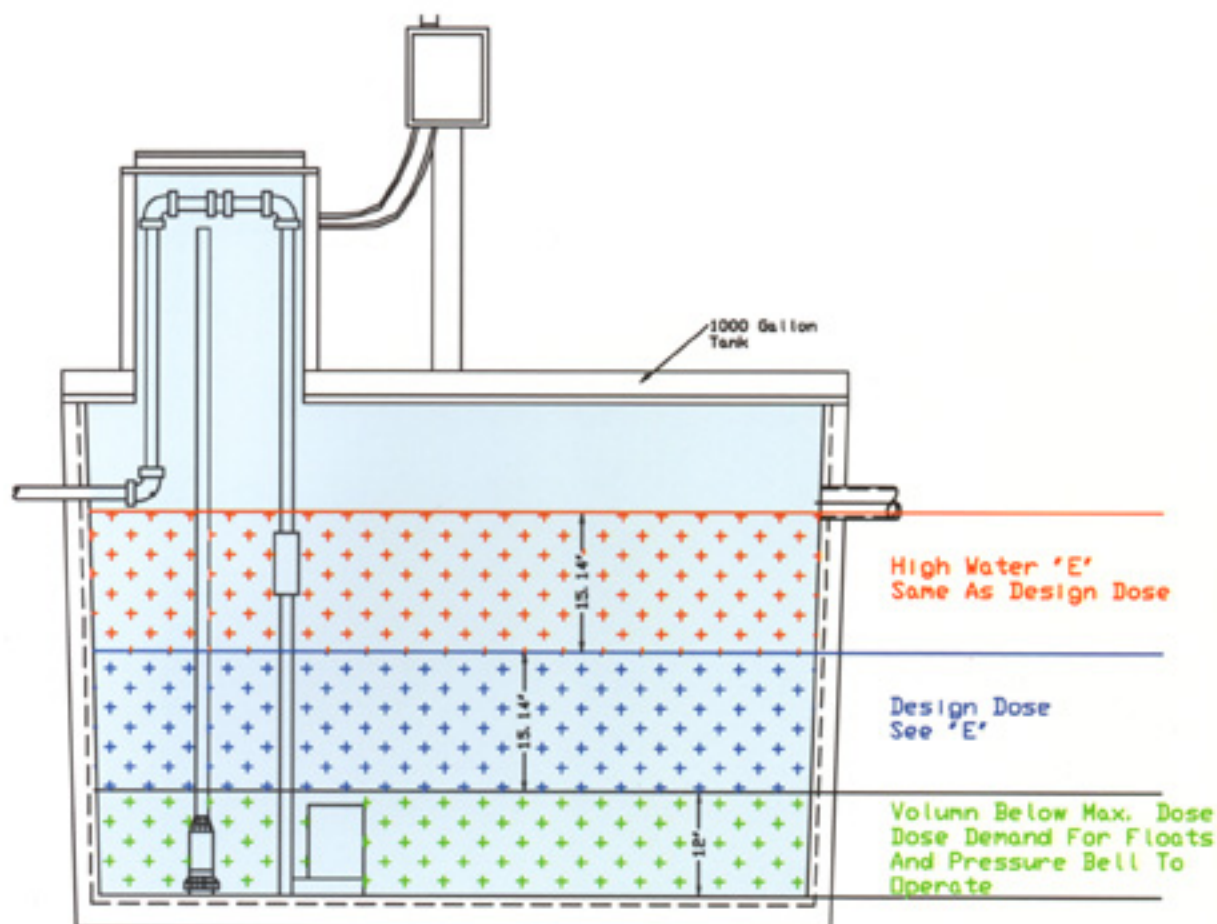
# TWIN PUMP LIFT STATION & DOSING TANK



*Distance from pump to distribution box and the elevation from the pump to the distribution box are needed to properly size the dosing tank pump.*

*Optional Equipment: Simplex Elapsed Time Meter & Cycle Counter*

# DEMAND DOSE FOR 3 BEDROOM HOMES

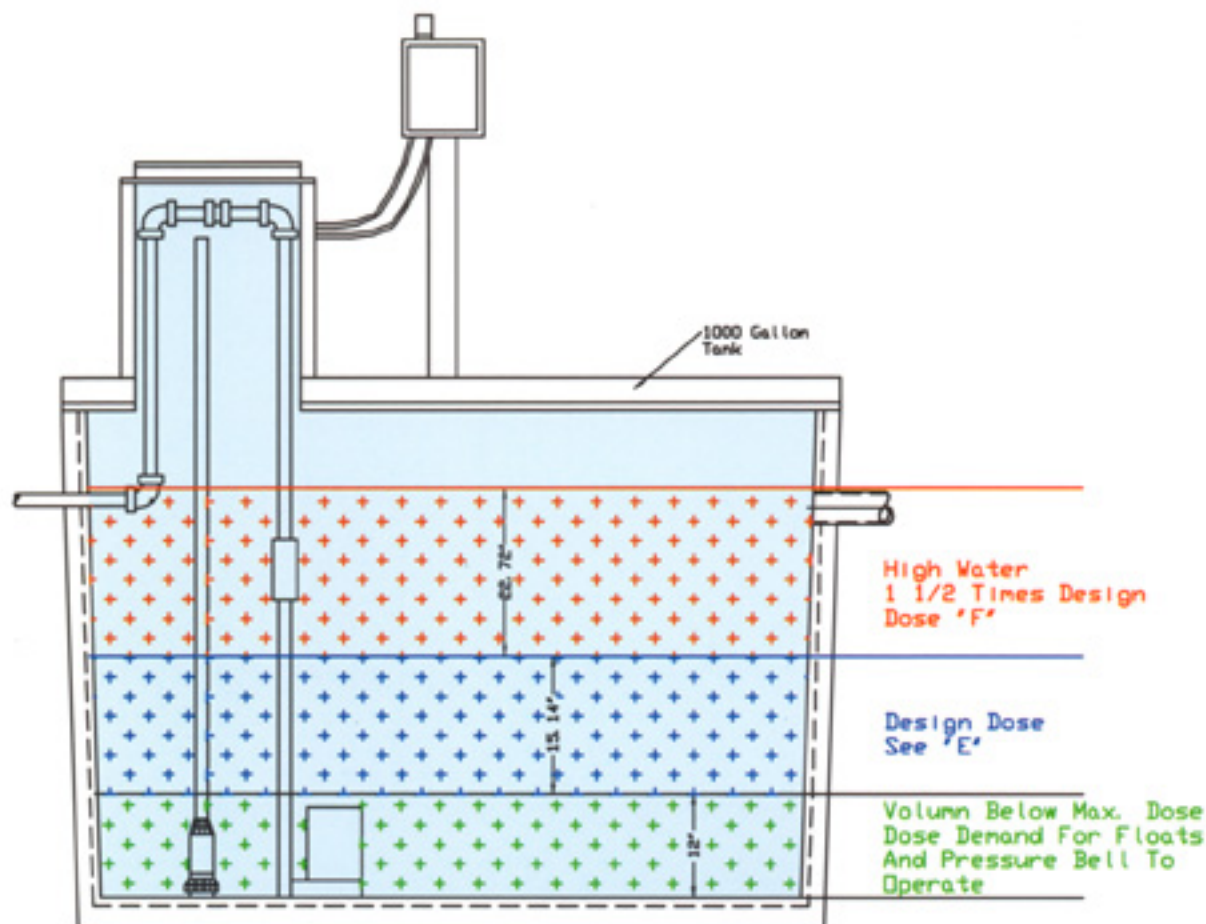


Design Dose – 360 gpd

A.	ID of 1,000 gal tank 61" x 90" x 54"		
B.	Pump is 12" tall		
C.	There is 231cu inches in one gallon of water		
D.	61" x 90" = 5,490 cu inches x 12" = 65,880 cu inches		
	65,880 ÷ 231 =	gal. 285	12"
E.	Design dose of 360 gpd		
	360 gpd x 231 = 83,160		
	83,160 cu in ÷ 5,490 cu in = 15.14"	gpd 360	15.14"
F.	Design needed for high water.	gpd 360	15.14"
G.	Drain back – 10 gal.	gal. 10	
	Gal. needed	1,015	42.28"



# TIME DOSE FOR 3 BEDROOM HOMES



- A. ID of 1,000 gal tank 61" x 90" x 54"
- B. Pump is 12" tall
- C. There is 231 cu inches in one gallon of water
- D.  $61" \times 90" = 5,490 \text{ cu inches} \times 12" = 65,880 \text{ cu inches}$   
 $65,880 \div 231 =$  gal. 285 12"
- E. Design dose of 360 gpd  
 $360 \text{ gpd} \times 231 = 83,160$   
 $83,160 \text{ cu in} \div 5,490 \text{ cu in} = 15.14"$  gpd 360 15.14"
- F. Design needed for high water.  
 $1.50 \times 360 = 540 \text{ gpd required}$  gpd 540  
 $540 \times 231 = 124,740 \text{ cu in}$   
 $124,740 \div 5,490 =$  22.72"
- G. Drain back - 10 gal.  
 Gal. needed 1,185 49.86"

NOTE - Will not fit into a 1,000 gallon tank. Will need a 1,500 gallon tank.

# COMMERCIAL – INDUSTRIAL WASTE TREATMENT SYSTEMS



System Install In Progress



System Completed

*Large Dosing/Lift Stations Delivered and Installed*



## Commercial Systems Available

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*American Made Products from a Family Owned Company*  
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*[www.sciotovalleyprecast.com](http://www.sciotovalleyprecast.com)*