

PROPERTY OWNERS:  
 Henry and Lourdes Arroyo  
 2823 Hickory Street  
 Yorktown Heights, New York 10598

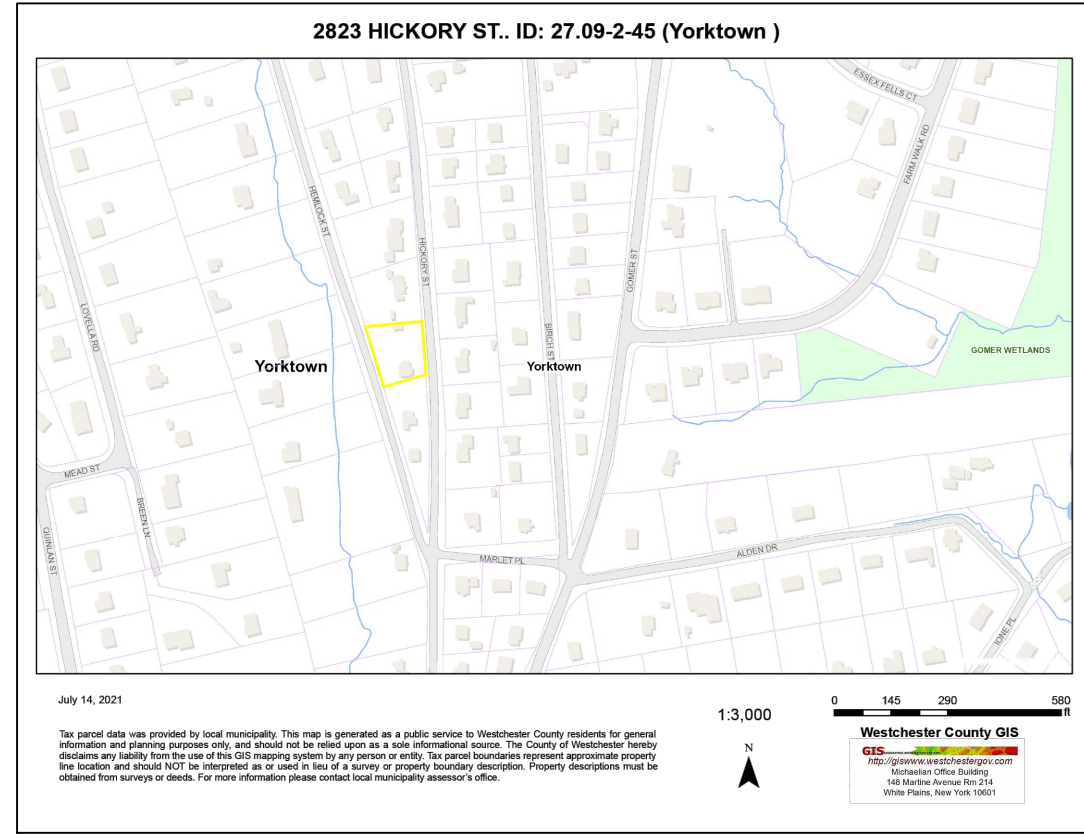
Tax ID. 27-2-45

Contractor:  
 Westchester Modular Homes Construction Corp.  
 1995 Route 22  
 Brewster, N.Y.  
 (845) 278-1700

Engineer:  
 Anthony S. Pisarri, P.E., P.C.  
 CONSULTING ENGINEER  
 3 Rosalind Drive  
 Cortlandt Manor, N.Y. 10567  
 (914) 739-6580  
 (914) 734-9121 fax

Limit of disturbance as shown 4,900± s.f. = 0.1125 ac.  
 Area of new impervious being built 1,782± s.f.  
 Area of footprint of new house = 1,656± s.f.  
 Approximate average grade at the 4 corners of the house is 608.3  
 Basement elevation is 603.4. Allow 1 foot extra depth for base material and footings, use 602.4. Area of the house with basement is 1,460± s.f. Volume of material to be excavated is 1460 x (608.3-602.4) = 8,614 c.f. = 319± c.y.

The Contractor shall mark out the area of the septic field and protect it from the storage of any equipment or materials.



LOCATION MAP  
 1"=500'±

ZONING SCHEDULE - R10		
ITEM	REQUIRED/ALLOWED	SHOWN
LOT AREA	20,000 S.F.	20,077 S.F.
LOT FRONTAGE	80 FT.	158.61 FT.
WIDTH AT FRONT YD SETBACK	80 FT.	158 FT.
MEAN DEPTH	100 FT.	127.5± FT.
BUILDING HEIGHT	30 FT.	27.2 FT.
SETBACKS		
FRONT	30 FT	32.6± FT.
REAR	30 FT	46.3± FT.
SIDES	12/24 FT	14/103.4± FT.
MAX BUILDING COVERAGE	25 %	8.6± %
ACCESSORY BUILDING SIDE	12 FT.	6.1 FT.*
ACCESSORY BUILDING REAR	10 FT.	66.3± FT.
ACCESSORY BUILDING HEIGHT	15 FT.	11± FT.

Prior to the day of the house set, WMH shall coordinate the delivery of the modules and the crane with the Town and the local police department.

**Water Quality Volume Calculation:**

Site: Arroyo Property  
 2823 Hickory Street  
 Yorktown Heights, NY 1598

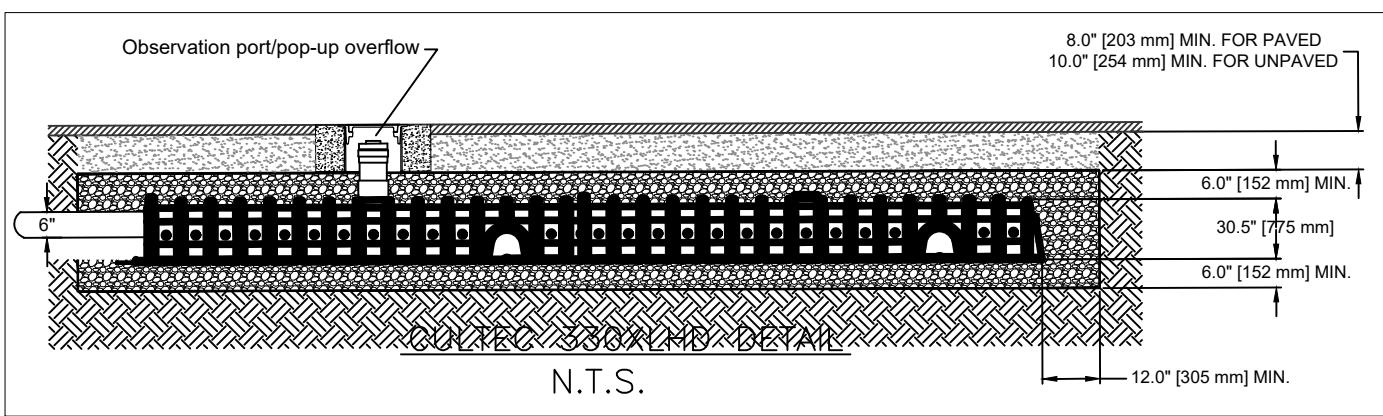
From the N.Y.S.D.E.C. Stormwater Management Design Manual, Chapter 4, the volume of storage required to capture and treat 90% of the average annual stormwater runoff is:

$$WQ_v = (P) (R_v) (A) / 12$$

where:

- WQ<sub>v</sub> is the water quality volume in acre-feet
- (P) is 90% rainfall event number from Figure 4.1 of the manual
- R<sub>v</sub> = 0.05 + 0.009(I) where I is the percent impervious cover
- R<sub>v</sub> shall be a minimum of 0.20
- A is the area of the site in acres

For this site, the total site area draining to the cultecs is 0.0380 ac  
 P, the 90% rainfall event = 1.5  
 The site has 0.0380 ac of impervious or 100.00 % impervious, so R<sub>v</sub> = 0.95  
 R<sub>v</sub> = 0.95 WQ<sub>v</sub> = 0.0045 ac-ft  
 197 c.f.  
 A cultec 330XLHD is rated at 11.16 c.f./l.f.  
 Required length of cultec 330 = 17.6 ft., USE 3 cultecs



"Unauthorized alteration or addition to this drawing is a violation of §7209(2) of the NYS Education Law."



rev 4/18/2022 as per engineering comment memo

SHEET	2022-04-02
SCALE	AS NOTED
FILE	D:\2\K7\WMHCC\ARROYO
DATE	1/19/2022

ANTHONY S. PISARRI, P.E., P.C.  
 CONSULTING ENGINEER  
 3 Rosalind Drive, Cortlandt Manor, N.Y. 10567

PROPOSED SITE PLAN FOR  
 Henry and Lourdes Arroyo - 2823 Hickory Street  
 Yorktown Heights, New York 10598