

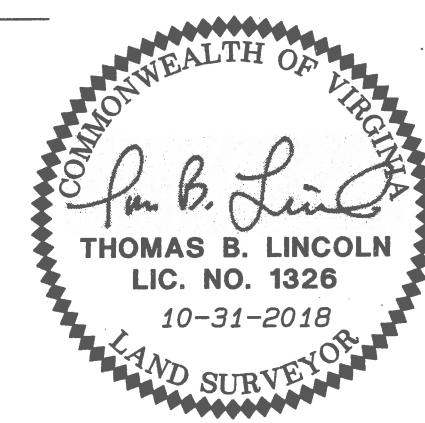
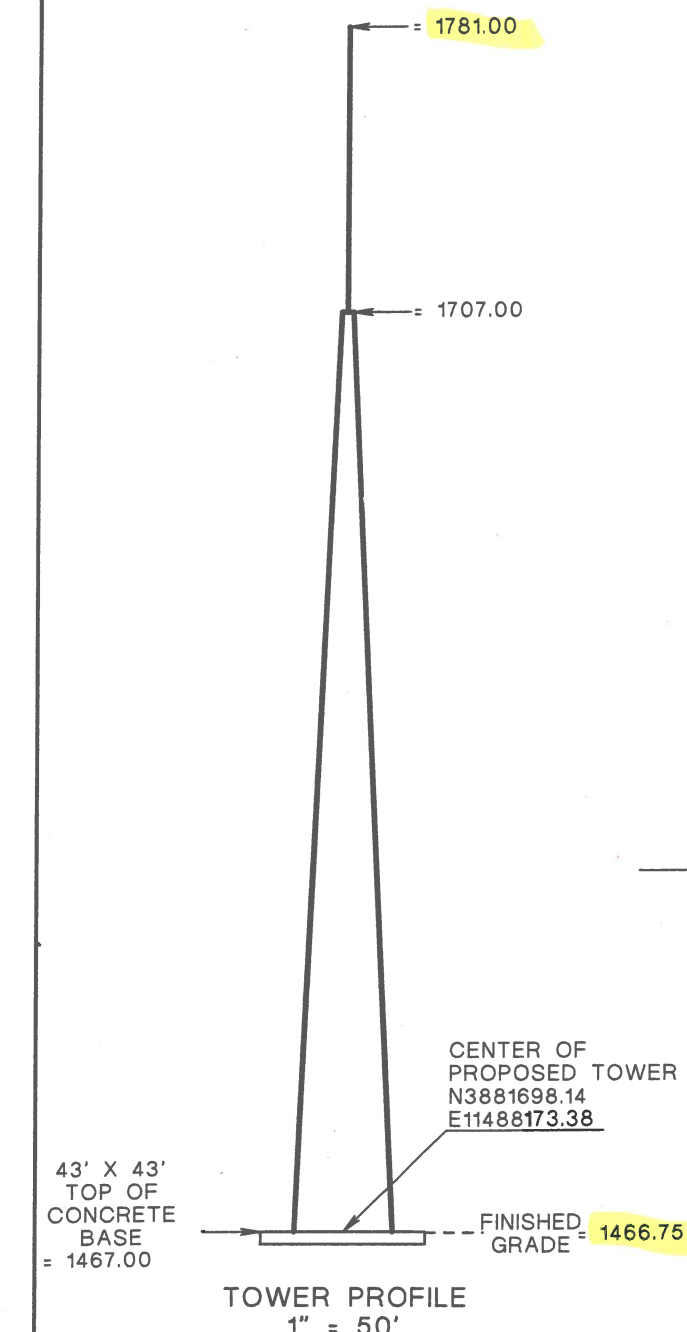
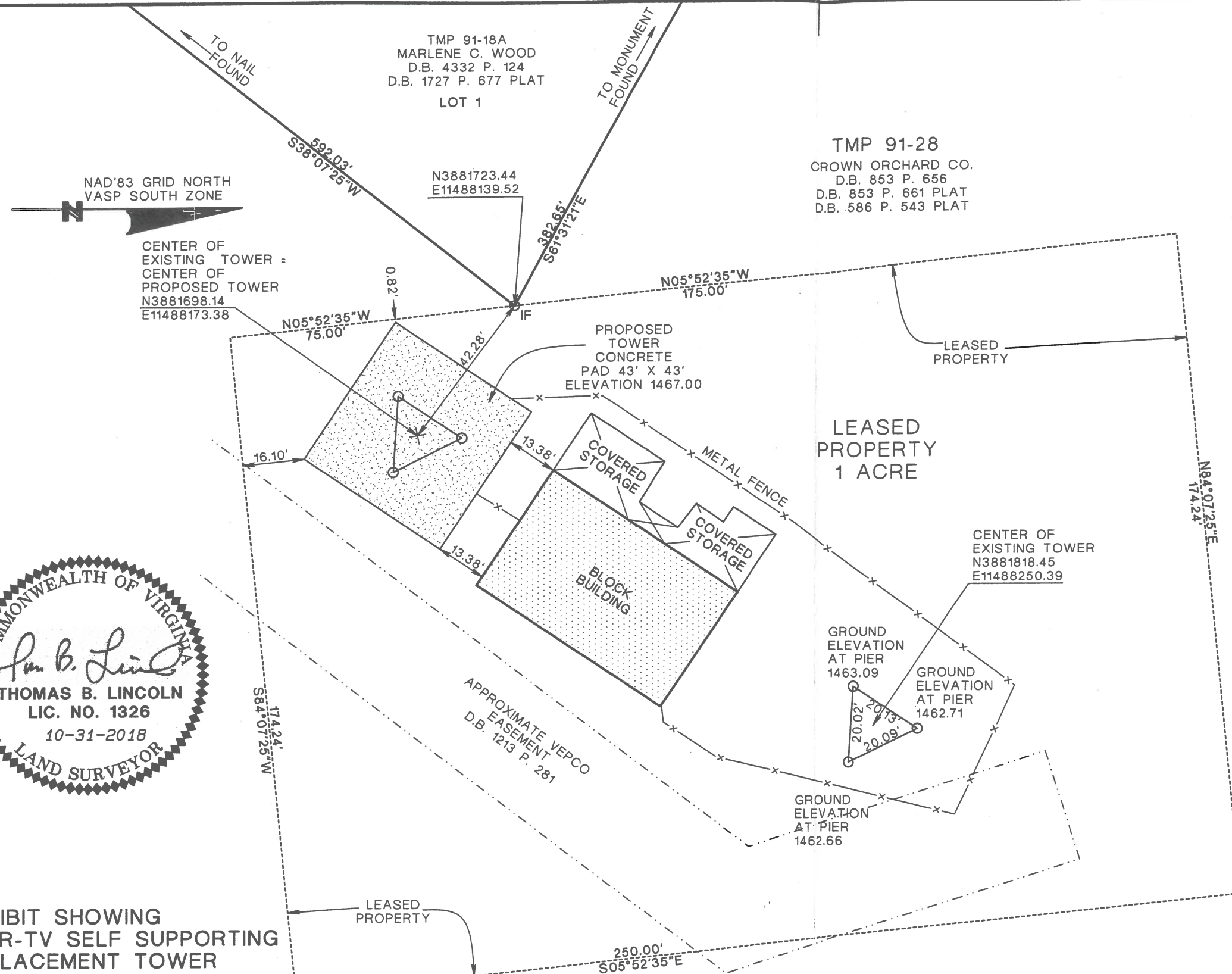


EXHIBIT SHOWING
WVIR-TV SELF SUPPORTING
REPLACEMENT TOWER
LEASE AREA
TAX MAP 91 PARCEL 28
ALBEMARLE COUNTY, VIRGINIA
OCTOBER 17, 2018 REVISED OCTOBER 31, 2018
SCALE = 1" = 30'
NAVD '88 VERTICAL DATUM

SOME EASEMENTS OTHER THAN THOSE
SHOWN HEREON MAY EXIST.

LINCOLN
SURVEYING

Innovation. Integrity. Vision.

632 BERKMAR CIRCLE
CHARLOTTESVILLE, VIRGINIA 22901
OFFICE: 434-974-1417
115005500_LP_18304.PRO 118-Q055-00

240.0 ft

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Sidelight (FAA L-810)	120	Sidelight (FAA L-810)	120
Sidelight (FAA L-810)	120		

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	Pipe 6.625" x 0.280" (6 STD)	B	L 2.5 x 2.5 x 3/16

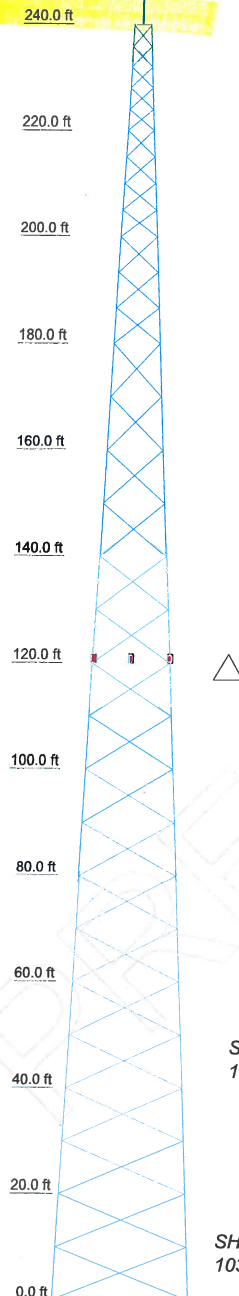
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A500-46	46 ksi	62 ksi	A572-50	50 ksi	65 ksi

TOWER DESIGN NOTES

1. Tower is located in Albemarle County, Virginia.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 89 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class II.
7. Topographic Category 4 with Crest Height of 865.00 ft
8. Jampro 6-Lambda Ch. 2 is included ~~for added for load~~ only.
9. PRELIMINARY DESIGN - NOT FOR CONSTRUCTION

Legs	Pipe 14" x 0.375" (14 STD)	Pipe 12" x 0.375" (12 STD)	Pipe 10.75" x 0.365" (10 STD)	Pipe 8.625" x 0.322" (8 STD)	A									
Leg Grade	A500-46													
Diagonals	L 5 x 5 x 5/16	L 4 x 4 x 3/8	L 4 x 4 x 1/4	L 3.5 x 3.5 x 1/4										
Diagonal Grade	A572-50				L 2 x 2 x 3/16									
Top Girts	N.A.													
Face Width (ft)	25.5	23.625	21.75	19.875	18	16.125	14.25	12.375	10.5	8.625	6.75	4.875	3	L 2 x 2 x 3/16
# Panels @ (ft)														
Weight (lb)	47360.9	7219.8	6795.5	5092.5	4646.6	4179.8	4059.0	3493.6	2633.1	2450.0	2379.6	2392.1	1726.1	



ALL REACTIONS
ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 611471 lb
SHEAR: 64004 lb

UPLIFT: -524897 lb
SHEAR: 55431 lb

TORQUE 3851 lb-ft
30 mph WIND - 0.750 in ICE

TORQUE 8241 lb-ft
REACTIONS - 89 mph WIND





Local public television station tower

WVIR-TV Tower to be Replaced



Local public television station tower



Wuva-FM Charlottesville



Tower



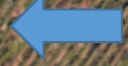
Tower



Broadcasting Equipment



WVIR-TV Replacement Tower



Tower



Tower



Tower



Down the hill is
the public apple
picking area



Google

