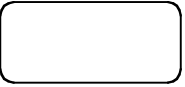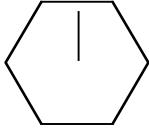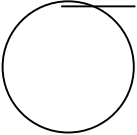# Cost Estimate (sample)

FLOOR AREA

shape of space (all dimensions in feet)	area formula used	area of space (rounded *up* to nearest square foot)	# of such spaces	total floor area for spaces of this shape
h = 35' b = 100'	rectangle with rounded corners: $A \approx b \cdot h$	$A = (100)(35) = 3500$ ft^2	5	$5(3,500) = 17,500$ ft^2
h = 106' b = 122'	hexagon (6 triangles): $A = 6 \cdot \left(\frac{1}{2} \cdot b \cdot h\right)$	$A = 6 \cdot \left[(.5)(122)(106)\right] = 38,796$ ft^2	1	$38,796$ ft^2
r = 74'	circle: $A = \pi \cdot r^2$	$A = (3.14)(74)^2 = 17,195$ ft^2	2	$2(17,195) = 34,390$ ft^2
total floor area of all buildings:				$17,500 + 38,796 + 34,390 = 90,686$ ft^2
total estimated cost of buildings (@ $350/sq. ft.)				$(90,686)(350) = $**$31,740,100**

GROUND LEVELING

shape/location leveled area	area formula used	area of space	cost per ft^2	total cost for leveling
semicircle near lake (r = 50')	$A = \frac{1}{2} \cdot \pi \cdot r^2$	$A = (.5)(3.14)(50)^2 = 3,925$ ft^2	$100/sq. ft.	$(3,925)(100) = $**$392,500**

ATHLETIC FIELDS

shape & location of field	area formula used	area of space	cost per ft^2	total cost for field
rectangle in "the flats" (b = 400', h = 100')	$A = b \cdot h$	$A = (400) \cdot (100) = 40,000$ ft^2	$150/sq. ft.	$(40,000)(150) = $**$6,000,000**

TOTAL ESTIMATED COST FOR CONSTRUCTION: **$31,740,100 + $392,500 + $6,000,000 =**   **$38,132,600**