Town of Acton Recreation Department
472 Main Street
Acton, MA 01720
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Website: www.acton-ma.gov

Cathy Fochtman, Recreation Director

February 14, 2012

Mr. Walter Foster
Community Preservation Committee
c/o Roland Bartl, Planning Director
Acton Town Hall
472 Main Street
Acton, MA 01720
Re: Skate Park Project Estimates

Dear Mr. Foster,

I've outlined estimates below for the components of the Skate Park improvement project. The Skate Park bowl is a quote from American Ramp, the driveway and parking spaces is a quote from Town Engineering, the fence is based on a similar quote made for the same style fencing, the light poles are based on a similar quote from Littleton Lighting. Note that $15,000 for gravel base has been subtracted from the list, reducing the total from $225,000 to $210,000. It was determined that gravel base was accounted for in the driveway and parking lot estimate. Details are attached for your review.

$70,000	Driveway and Parking Lot – Town Engineering
$15,000	Storm Water Management & Drainage – Chip Orcutt
$10,000	Fence – DeLucca Fence
$25,000	Light Poles (5) – Littleton Lighting
$80,000	Lower Skate Bowl - American Ramp
$10,000	Contingency
$210,000	Total

Sincerely,

Cathy Fochtman
Recreation Director

CC: David Wilson, FOLF
Catherine Fochtman, Recreation Director
Tom Tidman, Natural Resources Director

Skate Park Improvement Estimates

Driveway and Parking Lot – Corey York, DPW Director

I did a quick cost estimate for the following items related to constructing the parking area:

- Clearing & Grubbing
- Stripping the Top Soil, replace with 10" gravel base
- Driveway Access
- Parking Area (including a couple speed bumps)
- Sidewalk
- Shoulder Restoration

I did not include any costs for drainage. Based on these assumptions, I have estimated that it will cost around **$70,000** for this work.

Storm Management & Drainage – Chip Orcutt

$15,000 based on his experience with similar projects.

Fence – DeLucca Fence

280' run of 4' high black chain link fencing and gates. Subtract 24' for the two 12' gates. The NARA Park fence quote one year ago quoted $32 per linear foot, and $1,100 for a 12' wide double gate.
256' x $32/LF = $8,192; (2) Double gates 2 X $1,100= $2,200; **Total: $10,392**

Light Poles – Littleton Lighting

John Stewart from Littleton Light was able to give an idea of what would be needed for the installation of 5-6 poles.

- Each pole is $400.
- If corners are needed for anchoring, add $1 per ft (100 feet to anchor).
- Add an additional $300 – 400 per pole for hardware.
- Drilling of holes for poles $500, however, this would vary because if you hit ledge, it would create a problem. Note that poles can take as little as 30 minutes to install or up to a couple of days. Littleton Light doesn't charge for labor where NSTAR would.

Based on the above, John said that he would be amazed if this project would cost $20k on the low end.

To add electric at the end of the poles (transformer box), this is not done by the electric company but done by an electrician.

We also need to factor NSTAR cost of design plans and cost for their engineering department.

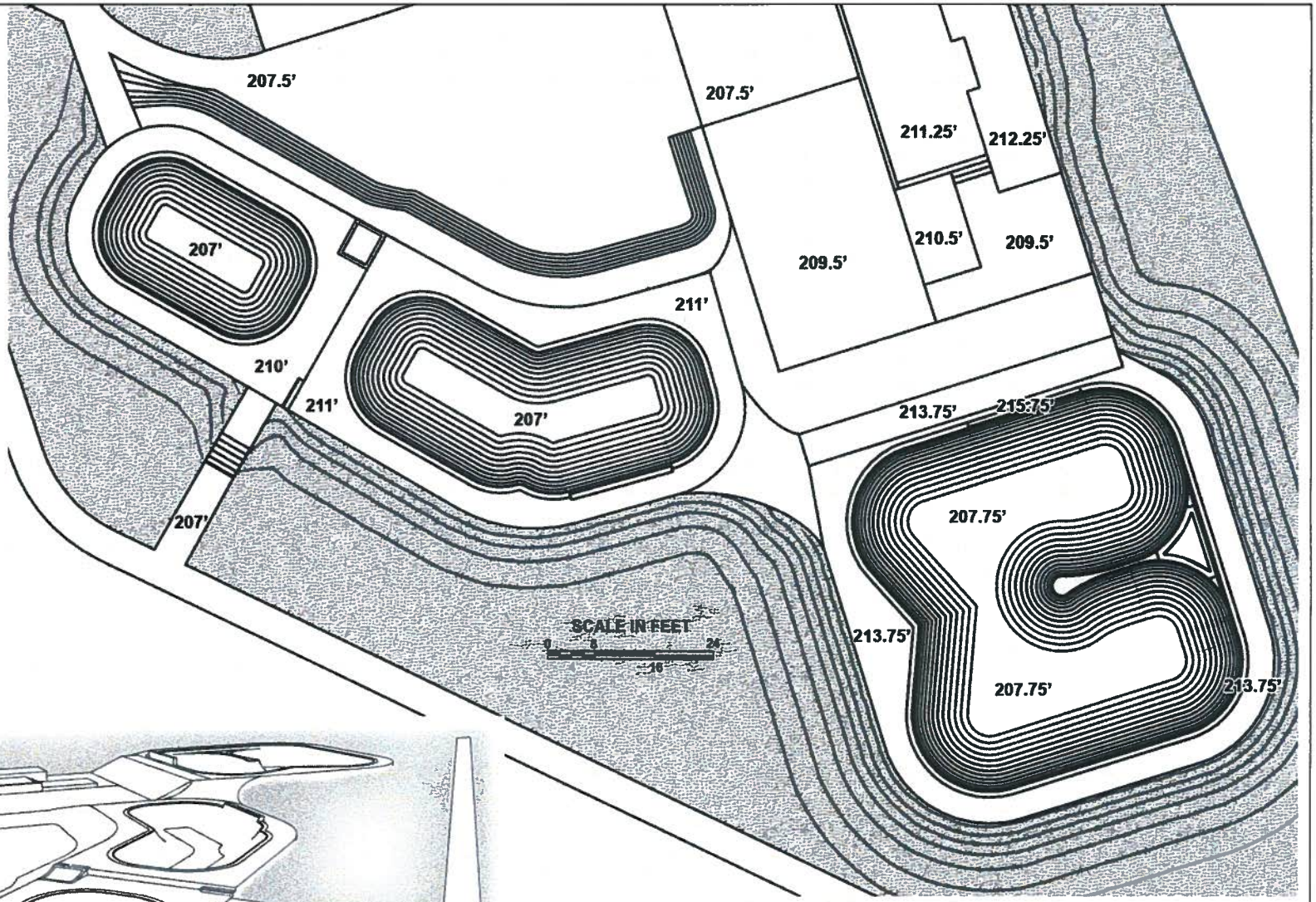
$5,000 x 5 poles = **$25,000**

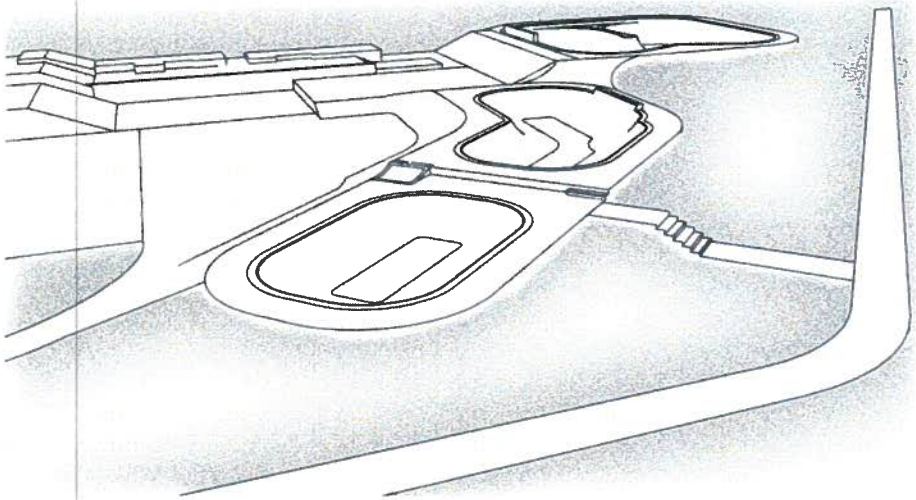
HARDCORE
SHOTCRETE SKATEPARKS INC

SKATER OWNED/OPERATED SINCE 2001

HARDCORESKATEPARKS.COM

ACTON, MA
ACTON SKATEPARK
9175





CLICK HERE TO VIEW DESIGN VIDEOS

HARDCORE
SHOTCRETE SKATEPARKS INC
SKATER OWNED/OPERATED SINCE 2001

TEL: (888) SK8-BOWL
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INFO@HARDCORESKATEPARKS.COM

DESIGN NO.	9175

HARDCORE
SHOTCRETE SKATEPARKS INC
SKATER OWNED/OPERATED SINCE 2001

Engineer's Estimate: $xxxxxx

Upgrades:

Colored Concrete or Acid Etching as depicted in 3D renderings	–	$2.50 per square foot (footprint)
Solar Lights as depicted in 3D renderings	–	$200 round, $500 rectangle
Hot-dipped galvanized steel coping, edging, and rails	–	$ 2% mark up, on EE

Engineer's Estimate is based on the following assumptions:

Site/Foundation:

A. Grade area to 6" depth, grubbing, remove dirt, required fill.
B. Native soil subgrade compacted to 95% standard proctor.
C. Minimum of 4" thick aggregate base course compacted to 95% standard proctor.
D. Structural Fill for lifts

Reinforced Concrete Flatwork:

A. 4" concrete slab
   a. Min 4000 PSI compressive strength.
   b. #4 rebar steel reinforcing at 16" O.C. grid unless otherwise specified or determined by geo-technical report.
   c. All rebar shall be cold bent.
   d. Air entrainment percentage of 4%-6% unless adjusted because of aggregate size or exposure as per ACI 301 and ASTM C 260.
   e. 6" perimeter downturn.
   f. All exposed outside concrete corners shall receive a ½" chamfer or ½" tooled radius.
   g. Concrete finish will be smooth resulting from 2-3 passes with power trowel.
   h. Saw Cut Joints will be cut at approx. 8'-12' grid spacing day after pour.
   i. Cold Joints to have waterstop placed prior to final pour of adjacent slab.
   j. If no geo-technical report is provided, Hardcore Skateparks assumes existing sub-grade has sufficient bearing capacity. If unsuitable soil is found additional costs for over excavation and import fill may apply.

B. 6" concrete slab
    a. Min 4000 PSI compressive strength.
    b. #4 rebar steel reinforcing at 16" O.C. grid unless otherwise specified or determined by geo-technical report.
    c. All rebar shall be cold bent
    d. Air entrainment percentage of 4%-6% unless adjusted because of aggregate size or exposure as per ACI 301 and ASTM C 260.
    e. All exposed outside concrete corners shall receive a ½" chamfer or ½" tooled radius.
    f. Concrete finish will be smooth resulting from 2-3 passes with power trowel.
    g. Saw Cut Joints will be at approx. 8'-12' grid spacing day after pour.
    h. Cold Joints to have waterstop placed prior to final pour of adjacent slab.
    i. If no geo-technical report is provided, Hardcore Skateparks assumes existing sub-grade has sufficient bearing capacity. If unsuitable soil is found additional costs for over excavation and import fill may apply.

Reinforced Sculptural Shotcrete:

A. 6" concrete
    a. Min 5000 PSI compressive strength.
    b. #3 rebar steel reinforcing at 12" O.C. grid unless otherwise specified or determined by geo-technical report.
    c. All rebar shall be cold bent
    d. Air entrainment percentage of 4%-6% unless adjusted because of aggregate size or exposure as per ACI 301 and ASTM C 260.
    e. All exposed outside concrete corners shall receive a ½" chamfer or ½" tooled radius.
    f. Shotcrete finish will be smooth resulting from hand trowel unless otherwise noted.
    g. Sawcuts will be cut at approx. 8'-12' spacing day after pour.

EXCLUDES*:

A. Permits and fees: Any necessary permit(s) will be acquired by others.
B. Site testing and inspections: concrete cylinders, engineering, surveying, density tests, or other testing services.
C. Prevailing wages or bonding of any kind.
D. Utility, mechanical, electrical, plumbing work, relocation or repairs of any kind.
E. Any surface treatments (color, sealer, stamping, marble, granite, tinting, brick, staining, decorative finish, etc.)
F. Professional services provided by Architects, Surveyors, Engineers (Civil, Architectural, Electrical, Geo-technical, Industrial, Structural, etc.)
G. Location specific stamped drawings.

H. Landscaping, drainage, or site restoration of any kind.
I. Toxic or hazardous material handling or removal.
J. Mass excavation or backfill, controlled fill, import or export fill material. Excavation for our scope of work is included.
K. Pedestrian protection, walkways, dust protection, temporary enclosures, protection of work or adjacent items.
L. Soil treatment, termite treatment, topsoil, reseeding, hydro seeding, or sod.
M. Rock excavation, material that cannot be removed with standard shovel or rubber tire backhoe.
N. Dewatering, silt fence, soil stabilization, erosion control, street cleaning, and traffic control.
O. Waterproofing, damp-proofing, sealants, epoxies, caulking, hardeners, etc.
P. Removal and/or replanting of any trees or shrubs.
Q. Any permits unless specifically indicated above.

CUSTOMER PROVIDES*:

A. Sufficient water, light, and electrical power within 50 feet of work areas.
B. Unobstructed, safe, and continuous access to work area with heavy equipment. All weather roads for heavy equipment.
C. Site Security (any vandalism or destruction that should occur from insufficient security shall be the responsibility of the client.)
D. Protection of underground utilities in the area of the construction.
E. Any site specific information in a digital format (topography, drainage, structures, obstructions, etc.)
F. Current field survey locating all above- and below- ground utilities, appurtenances, structures, and easements. If a current survey does not exist it shall be the responsibility of the Client to coordinate the on-site mapping and development of a survey in a DWG format or other AutoCAD usable format.
G. Topographic map showing site contour with spot elevations that do not exceed 1' elevation intervals.

* Hardcore Skateparks will gladly coordinate and supply any of these services at a reasonable cost.

Conceptual Design Quote for T.J. O'Grady Skate Park Bowls **1/12/2012**

American Ramp Company - Nathan Bemo

Lower Bowl

Mobilization $22,000
Grading $7,000
Shotcrete $26,000
Concrete Bottom Deck $1,500
Concrete Top Deck $9,000
Steel coping $4,500
Contingency $10,000

Lower Bowl total: $80,000

Middle Bowl

Mobilization $24,000
Grading $10,000
Shotcrete $50,000
Concrete Bottom Deck $2,500
Concrete Top Deck $11,000
Steel coping $5,500
Contingency $10,000

Middle Bowl total: $113,000

Deep Bowl

Mobilization $36,000
Grading $14,000
Shotcrete $88,000
Concrete Bottom Deck $7,500
Concrete Top Deck $21,000
Steel coping $9,500
Contingency $10,000

Deep Bowl total: $186,000

Grand Total: $379,000