

February 12, 2015

Mr. Jim Bray
Bray Architecture
1300-C Yellow Pine
Boulder, CO 80304

RE: Meadows Tennis Club (DLAA 15-015)

Dear Jim:

We analyzed the community impact of the platform tennis courts back in 2008. During that process, we sampled platform court noise at other tennis clubs in Boulder in order to predict the community noise impact from adding two courts at the Meadows Tennis Club in Boulder, Colorado. I understand the location that we previously analyzed in 2008 was ultimately not chosen and the two platforms were placed along the center access lane of the tennis courts. We understand that the club would like to reclaim this central access as a green-space amenity and would like to relocate and add two more courts immediately west of the existing location replacing one of the existing tennis courts.

I used the data and analysis results from our initial survey to arrive at new noise contours as shown in Figure 1. We understand that the nearest property line is west of the courts at a distance of 103' from the edge of the proposed new platform tennis courts. These contours predict the estimated impact of the four platform courts being used simultaneously. The contours show 5 dBA increments. The estimated sound level at 103' would be 52 dBA.

Design Criteria

The City of Boulder Noise Code limits the noise at a residential property line to be 55 dBA during the hours of 7:00 a.m. to 11:00 p.m., and 50 dBA between 11:00 p.m. and 7:00 a.m. See the following link:

https://www.municode.com/library/co/boulder/codes/municipal_code?nodeId=TIT5GEOF_CH9NO_5-9-3EXDESOLEPR

Based on the predicted level at the property, the estimated noise from the platforms should be in compliance with the City Code..

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Please call me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Mick Barnhardt". The signature is fluid and cursive, with a long horizontal stroke at the end.

Mick Barnhardt

encl. Figure 1

EXISTING FENCE CROSSES
PROPERTY LINE TO
CLOSE TREES

50 dBA

ONE-WAY DIRECTION
TRAVEL
PLANTER

ASPHALT
PARKING AREA

PLANTERS

P.

PLANTER

13'-0"

23'-0"

23'-0"

11'-4"

9'-0" TYP.

9'-0"

HC

HC

18'-6"

19'-3"

19'-0"

24'-0"

19'-0"

19'-0"

19'-0"

24'-0"

19'-0"

19'-0"

NEW ENTRY CANOPY

TRASH DUMPSTER

ONE-STORY
EXIST.
CLUBHOUSE
w/ FUTURE
SECOND STORY

PLAY
GROUND

SWIMMING
POOL

NEW ENTRY CANOPY

PROPOSED INDOOR
TENNIS COURTS

PHOTOVOLTAIC
PANELS

RENOVATED
CLUBHOUSE

EXISTING TREES TO BE REMOVED

EXISTING INDOOR
TENNIS COURTS

PHOTOVOLTAIC
PANELS

NATURAL
LOW POINT
WITHIN 25'

N00°02'10"W 731.09'
Proposed New
Platform
Tennis
Courts

55 dBA

EXIST'G. 60 dBA
TENNIS COURT

PROPOSED PLATFORM
TENNIS COURTS w/ LIGHTS

EXIST'G.
TENNIS COURT

50'-0"
NON-BUILDING
EASEMENT

EXISTING SHED

EXISTING CLAY
TENNIS COURTS

NEW LED LIGHTS
AT PLATFORM
COURTS

EXISTING LIGHTS
TO BE REMOVED

NEW RE-GRADED CENTER
GREEN AND COURT ACCESS

NEW GAZEBO

EXIST'G.
TENNIS COURTS

50'-0"
NON-BUILDING
EASEMENT

EXISTING
CONCRETE
WALK

55'E 396.00'

DETEN
RE: CIV

Site Plan - Four Courts

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Meadows Club			Figure 1
1" ~ 40'			
Date 2-12-15	Project No. 15-015	Drawn by MBB	