SOLAR ACCESS AT 10 A.M. - LOT IS ZONED RL-2 - SOLAR ACCESS AREA II

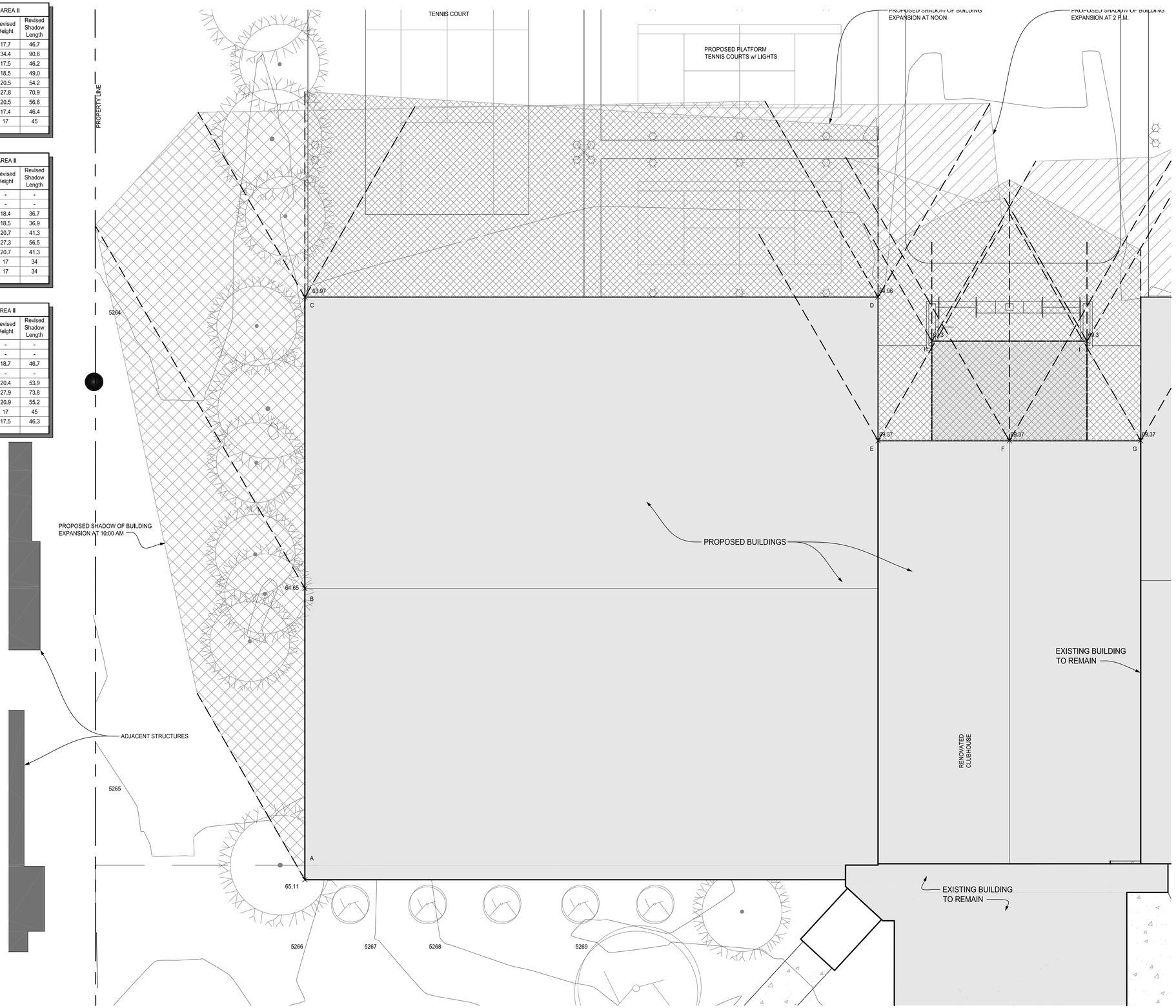
Roof Element	Building Height Above Grade	Shadow Length	Elevation Start	Elevation End	Change in Elevation	Revised Height	Revised Shadow Length
A	17.3	45.7	65.1	64.7	-0.4	17.7	46.7
B	33.5	46.4	64.65	63.8	-0.9	34.4	90.8
C	18.3	48.4	64	64.8	0.8	17.5	46.2
D	18.3	48.4	64	63.8	-0.2	18.5	49.0
E	15.3	40.5	69.37	64.2	-5.2	20.5	54.2
F	22.3	59.0	69.37	63.9	-5.5	27.8	70.9
G	15.3	40.5	69.4	64.2	-5.2	20.5	56.8
H	12	31.8	69.3	63.9	-5.4	17.4	46.4
I	12	31.8	69.3	64.3	-5	17	45

SOLAR ACCESS AT NOON - LOT IS ZONED RL-2 - SOLAR ACCESS AREA II

Roof Element	Building Height Above Grade	Shadow Length	Elevation Start	Elevation End	Change in Elevation	Revised Height	Revised Shadow Length
A	17.3	-	-	-	-	-	-
B	33.5	-	-	-	-	-	-
C	18.3	36.6	64	63.9	-0.1	18.4	36.7
D	18.3	36.6	64	63.8	-0.2	18.5	36.9
E	15.3	30.6	69.37	64	-5.4	20.7	41.3
F	22.3	44.6	69.37	64.4	-5	27.3	56.5
G	15.3	30.6	69.4	64	-5.4	20.7	41.3
H	12	24	69.3	64.3	-5	17	34
I	12	24	69.3	64.3	-5	17	34

SOLAR ACCESS AT 2 P.M. - LOT IS ZONED RL-2 - SOLAR ACCESS AREA II

Roof Element	Building Height Above Grade	Shadow Length	Elevation Start	Elevation End	Change in Elevation	Revised Height	Revised Shadow Length
A	17.3	-	-	-	-	-	-
B	33.5	-	-	-	-	-	-
C	18.3	48.4	64	63.6	-0.4	18.7	46.7
D	18.3	48.4	64	64	-	-	-
E	15.3	40.5	69.37	64.3	-5.1	20.4	53.9
F	22.3	59.0	69.37	63.8	-5.6	27.9	73.8
G	15.3	40.5	69.4	63.8	-5.6	20.9	55.2
H	12	31.8	69.3	64.3	-5	17	45
I	12	31.8	69.3	63.8	-5.5	17.5	46.3



1 A4.1 **SOLAR SHADING ANALYSIS**

1" = 20'-0"

NORTH

0' 10' 20' 40'

BRAY Architecture, Inc.
1300-C Yellow Pine
Boulder, CO 80304

MEADOWS SWIM & TENNIS CLUB EXPANSION

5555 RACQUET CT.
BOULDER, COLORADO

PROJECT NO:

ISSUE DATE: 11-3-14

REVISIONS:

SHEET TITLE:

SOLAR SHADING ANALYSIS

SHEET NUMBER:

A4.1