BOARD OF SUPERVISORS AGENDA ITEM REPORT



Requested Board Meeting Date: November 22, 2016

Title: Approval of a Riparian Habitat Mitigation In-Lieu Fee Proposal for 1792 East Sahuaro Blossom Place, Located within Important Riparian Area with Underlying Xeroriparian Class B and Class C Riparian Habitat (District 1)

Introduction/Background:

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires mitigation when cumulative disturbance of more than 1/3 acre of mapped riparian habitat occurs. If a project site contains suitable area(s) for mitigation, restoration, or enhancement, then on-site mitigation is required in accordance with the adopted Regulated Riparian Habitat Mitigation Standards and Implementation Guidelines. The Ordinance contains a provision for mitigation banking when on-site mitigation is not feasible. All off-site mitigation proposals require Flood Control District Board of Directors (Board) review and approval.

Discussion:

Property owner, William Diamond, is applying for a floodplain use permit to construct a single family residence on his property located at 1792 East Sahuaro Blossom Place. The entire property is mapped within Regulated Riparian Habitat (RRH) classified as Important Riparian Area with underlying Xeroriparian Class B and Class C Habitat. The property is 1.15 acres in size and the RRH disturbance is 0.35 acres, which requires a Riparian Habitat Mitigation Plan (RHMP). Mr. Diamond hired Gene Johnson, with Benjamin Designs, to prepare a RHMP. The property is densely vegetated with healthy mature trees therefore has no suitable place for on-site mitigation. As a result, the owner is proposing to contribute a fee of \$3,490.00 in lieu of on-site mitigation, based on the Flat Fee Table.

Conclusion:

Acceptance of mitigation banking funds in-lieu of on-site mitigation is allowed under the Ordinance. Contributions to the mitigation bank for disturbance of this habitat will provide funds to be used toward purchase of high value resources or towards restoration of degraded riparian habitat within Pima County.

Recommendation:

The ILF proposal presented conforms with the Ordinance and, as such, the District recommends approval.

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\$3490.00					
Board of S	upervisor Distric	t:			
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Departmen	t Director Signatur	re/Date: En	C SHEED		10/31/16
Deputy Cou	unty Administrator	Signature/Date:_	the fir	Jan 11/1	16
County Adr	ministrator Signatu	re/Date:	Cha	uectou	1/1/2/16



FLOOD CONTROL

TO:

DATE: October 28, 2016

Flood Control District Board of Directors

FROM: Suzanne Shields

Director

SUBJECT:

Approval of a Riparian Habitat Mitigation In-Lieu Fee Proposal Located at 1792 East Sahuaro Blossom Place, Located within Important Riparian Area with Underlying

Xeroriparian Class B and Class C Habitat (District 1)

Background

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires mitigation for mapped riparian habitat disturbances greater than 1/3 acre. If a project site contains suitable area(s) for riparian restoration, enhancement, or establishment, onsite mitigation occurs in accordance with the adopted *Regulated Riparian Habitat Mitigation Standards and Implementation Guidelines*. The Ordinance contains a provision for mitigation banking, when on-site mitigation is not feasible. All off-site mitigation proposals require Flood Control District Board of Directors (Board) review and approval.

Report

Property owner, William Diamond, is applying for a floodplain use permit to construct a single family residence on his property located at 1792 East Sahuaro Blossom Place (Exhibit A). The entire property is mapped within Regulated Riparian Habitat (RRH) classified as Important Riparian Area with underlying Xeroriparian Class B and Class C Habitat (Exhibit B). The property is 1.15 acres in size and the RRH disturbance is 0.35 acres, which requires a Riparian Habitat Mitigation Plan (RHMP).

Mr. Diamond hired Gene Johnson, with Benjamin Designs, to prepare a RHMP (Exhibit C). The property is densely vegetated with healthy mature trees therefore has no suitable place for on-site mitigation. As a result, the owner is proposing to contribute a fee of \$3,490.00 in lieu of on-site mitigation, based on the Flat Fee Table (Exhibit D).

Recommendation

Acceptance of mitigation banking funds in-lieu of on-site mitigation is allowed under the Ordinance. Contributions to the mitigation bank for disturbance of this habitat will provide funds to be used toward purchase of high value resources or towards restoration of degraded riparian habitat within Pima County.

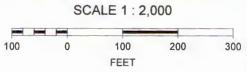
Attachments: Exhibit A – Project Location

Exhibit B – Project Site – Riparian Classification Map Exhibit C – Mitigation Banking In-lieu Fee Proposal

Exhibit D – In-lieu Flat Fee Table

Exhibit A

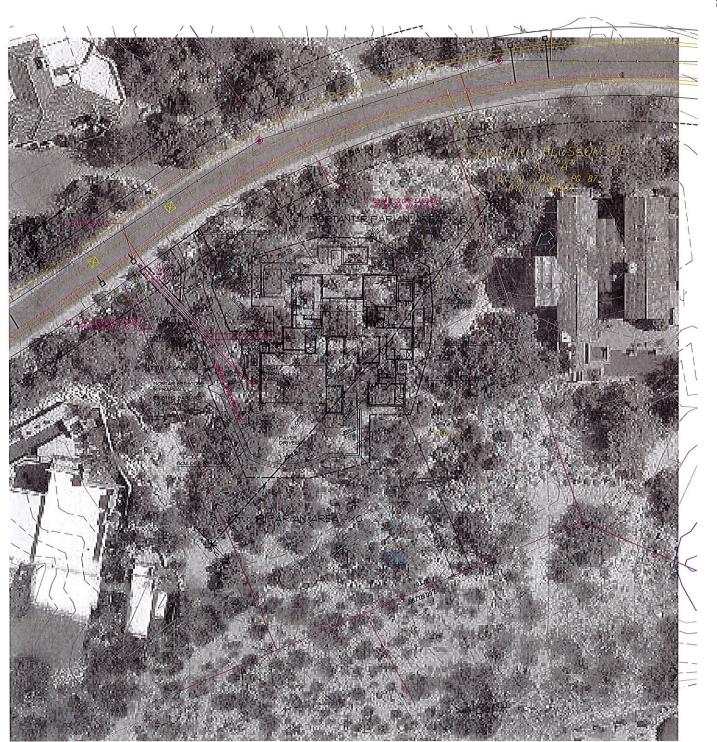




Diamond Residence 1792 East Sahuaro Blossom Place BOS Meeting Date 11/22/16







FFE.	FINISHED FLOOR ELEVATION			
TOW.	TOP OF WALL			
PJP.	PRESERVE IN PLACE			
TOS.	TRANSPLANT ON SITE			
R.O.S.	RELOCATED ON SITE			
-	DRANAGE FLOW			
	OUTDOOR WALL LANTERN (SHIELDED)			
A	LANDSCAPE LIGHTS			
1	CONTOUR LINE			
0	PROPERTY LINE			
	GRADING LIMITS			
5	UTILITY LINE			
	100 YEAR FLOOD PRONE LIMITS			
V/////	UNDISTURBED NATURAL AREA			
(XXXXXX)	HILLSIDE AREA			

NOTE: DRAINAGE SUALE PER DRAINAGE STUDY BY CMG DRAINAGE ENGINEERING DRAINAGE REPORT

SITE PLAN GRADING NOTES

	L CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL
\neg	EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. CALL BLUE STAKE
	(1800.1825348) TUO FULL WORKING DAYS PRIOR TO EXCAVATION.
	2. THE CONTRACTOR SHALL PRESERVE ALL STAKES SET FOR THE LINES
_	LEVELS OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES
- 1	INTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEERS. ANY EXPENSE
_	NCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR HIS
- 1	SUBORDINATES MAY HAVE FAILED TO PRESERVE SHALL BE CHARGED
_	THE CONTRACTOR
- 1	3. IT SHALL BE THE CONTRACTOR'S RESPONSABILITY TO FURNISH, HAUL
_	AND SUPPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE

THE CONTRACTOR

J. IT SHALL BE THE CONTRACTOR'S RESPONSABILITY TO PURNISH, HALL AND BUPPLY ALL BUTTER REQUIRED FOR COMPACTION AND FOR THE AND BUPPLY ALL BUTTER REQUIRED FOR COMPACTION AND FOR THE AND BUPPLY ALL BUTTER REQUIRED FOR COMPACTION AND FOR THE AND THE GRADNAL CONSTRUCTION AND THE RESPONSIBLE OF THE RESPONSIBLE OF THE SHAPE AND THESE OF THE GRADNAL CONSTRUCTION AND FREE OF FINISH SUBCACACE AS SHALL BE CONSTRUCTED TO BUTHIN GUP FEET OF FINISH SUBCACACE AS SHALL BE CONSTRUCTED TO BUTHIN GUP FEET OF FINISH SUBCACACE AS SHALL BE CONSTRUCTED TO BUTHIN FUND FEET OF FINISH SUBCACACE AS SHALL BE CONSTRUCTED TO BUTHIN FUND FEET OF FINISH SUBCACACE AS SHALL BE AS SHALL BE AND THE PROPER FOR THE AND THE ANALYSIA DEBYL AS SHALL BE AND THE PROPER FOR SHAPE OF THE ANALYSIA DEBYL AS SHALL BE AND THE CONTROL OF THE ANALYSIA DEBYL AS SHALL BE AND THE CONTROL OF THE ANALYSIA DEBYL AS SHALL BE AND THE CONTROL OF THE ANALYSIA DEBYL AS SHALL BE APPROVED BY THE CONTROL FROM THE CONTROL OF THE ANALYSIA DEBYL AS SHALL BE APPROVED BY THE CONTROL OF THE ANALYSIA DEBYL AS SHALL BE DEBYL AS THE ANALYSIA DEBYL AS SHALL BE RESPONSIBLE FOR THE CARS.

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GRADING CALCULATIONS

IJ5 ACRES) 50,089 SQ. FT. I5,222,31 SQ. FT. (35 ACRES) 30,4 % LOT SIZE GRADED AREA % OF LOT GRADED

TOTAL RRH
TOTAL DISTURBED RRH
TOTAL PERCENTAGE
IMPORTANT RIPARIAN XB AREA
TOTAL DISTURBED IRA XB
TOTAL PERCENTAGE OF DISTURBED
RIPARIAN XC AREA
TOTAL DISTURBED XC
TOTAL DISTURBED XC
TOTAL PERCENTAGE OF DISTURBED 115 ACRES) 50,083 50 FT.
1527231 60, FT. (35 ACRES)
304 %
(51 ACRES) 24,67123 50, FT.
(21 ACRES) 118,502 50, FT.
(25 ACRES) 25,466,J1 50, FT.
(26 ACRES) 33,9148 50, FT.

OWNERS

WILLIAM AND ELEANOR DIAMOND 1792 E. SAHUARO BOSSOM PL. TUCSON, ARIZONA 85118

ADDRESS/LEGAL DESCRIPTION

1792 E. SAHUARDA BLOSSOM PL TUCSONAZ 85718

PIMA CANYON ESTATES RESUB LOT 1250 PARCEL: 220-20-3220 ZONNG: CR-1

AREA = 1.15 ACRES (50,089 SF.)

AVOIDANCE NOTE

1792 E. SAHUARO BLOSSOM PLACE LOT" 2500 PIMA CANYON ESTATES

AVOIDANCE JUSTIFICATION (1630.040.61)

I. WE ARE IN A HEAVILY VEGETATED LOT WHERE THERE ARE NOT ANY ADDITIONAL PLANTING AREAS.

3, WE ARE IN A GATED COMMUNITY THAT HAS IT'S OUN LANDSCAPE REQUIREMENTS WITHIN THE GRADED AREA.

ILF COST ESTIMATION

IRA /XB 21 X 11,000 . 2,910,00 TOTAL ESTIMATION : 3,49000

MITIGATION P16FC00505 HABITAT #Andi RIPARIAN

DIAMOND RESIDENCE P. SAHUARO BLOSSOM F TUCSON, AZ. 85118

DIAMOND 1

Benjamin Design & Dratting
1850 E. BROADWAY BLVD. #124-221
TUCSON, ARIZONA, 85119
PROPER (SEQ) 122-852





RIPARIAN HABITAT MITIGATION IN-LIEU FEE PROPOSAL



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SI	TE PLAN SYMBOLS
FFE.	FNISHED FLOOR ELEVATION
т.о.ш.	TOP OF WALL
PJP.	PRESERVE IN PLACE
T.O.S.	TRANSPLANT ON SITE
ROS.	RELOCATED ON SITE
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V/////	UNDISTURBED NATURAL AREA
	HILLSIDE AREA

NOTE: DRANAGE SWALE PER DRANAGE STUDY BY CMG DRANAGE ENGINEERING DRANAGE REPORT

SITE PLAN GRADING NOTES

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GRADING CALCULATIONS

LOT SIZE GRADED AREA % OF LOT GRADED I.I5 ACRES) 50,089 SQ. FT.

TOTAL REM
TOTAL DISTURBED REM
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TOTAL PERCENTAGE
IPPORTANT REPARIAN XB AREA
TOTAL DISTURBED IRA XB
TOTAL PERCENTAGE OF DISTURBED
RIPARIAN XC AREA
TOTAL DISTURBED XC
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TOTAL DISTURBED XC 15,222.31 SQ. FT. (35 ACRES) 30.4 % 39.4 %
(51 ACRES) 24.622.83 SQ. FT.
(21 ACRES) 1183018 SQ. FT.
D
(58 ACRES) 25.466.11 SQ. FT.
(Ø8 ACRES) 3391.48 SQ. FT.
D
14.6 %

OWNERS

WILLIAM AND ELEANOR DIAMOND 1792 E. SAHUARO BOSSOM PL. TUCSON, ARIZONA 85118

ADDRESS/LEGAL DESCRIPTION

PIMA CANYON ESTATES RESUB LOT 1250 PARCEL: 220-20-3720 ZONING: CR-I

TI25 RI4E 531 MAP 4 PLAT 50/81 AREA : U5 ACRES (50,089 SF)

AVOIDANCE NOTE

AVOIDANCE JUSTIFICATION (1630/040/a))

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ILF COST ESTIMATION

IRA /XB 21 X 11,000 : 2,910,00 TOTAL ESTIMATION : 3,490.00

DIAMOND RESIDENCE 32 E. SAHUARO BLOSSOM F TUCSON, AZ. 85718 1192

> IGATION Ø

FI@FC@@5 Ξ HABITAT #dnd# RIPARIAN



& Drafting Benjamin Design & 1830 E. BROADWAY BLVD. 1 TUGSOR, ARIZONA, BETIN MARIE (20172-1822)





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In-Lieu Fee Calculation Options

 Flat fee table. Applicant shall use the flat fee table for calculating the fee for acreage of disturbed Regulated Riparian Habitat (RRH) not mitigated onsite. Flat fee is based on cost per acre to mitigate onsite. The flat fee table accounts for all components of a mitigation plan.

Flat Fee Table - Cost per Acre for RRH Disturbance

	ХА	ХВ	хс	XD	IRA/H, H	IRA/XA	IRA/XB	IRA/XC	IRA/XD
Cost per Acre	\$8,500	\$7,500	\$6,500	\$5,000	\$17,000	\$12,500	\$11,000	\$9,500	\$8,000
Cost per Acre Development Project	\$17,000	\$16,000	\$14,000	\$12,000	\$40,000	\$30,000	\$28,000	\$25,000	\$22,000

2. ILF Calculation Spreadsheet. The applicant may use the ILF calculation spreadsheet when certain components of the mitigation requirement are not completed onsite. The ILF calculation spreadsheet allows an applicant to determine ILF costs for individual components of a mitigation plan (e.g., trees/shrubs, seeding, or irrigation, etc.). For example, an appropriate use of the ILF Calculation Spreadsheet would be when an applicant proposes planting only 50% of the required trees/shrubs onsite but placing 100% of the seeding requirement onsite.

The "component" ILF would then represent the value of 50% of trees/shrubs and irrigation not implemented on the project site. Note, when calculating component values, percentages of the irrigation component completed onsite must equal the percentage of trees/shrubs component completed onsite.

3. ILF Cost Estimate provided by a qualified professional. ILF cost estimates may be obtained from a qualified professional as an alternative to using the flat fee or spreadsheet calculations. Qualified professionals include: nurseries, landscape companies, landscape architects, biologist, botanist, or other qualified professional that would design, supply, or install components required for onsite mitigation. Submittals shall follow requirements listed in the ILF checklist provided in Appendix G of the Regulated Riparian Habitat Off-site Mitigation Guidelines for unincorporated Pima County.