

BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: 6/21/2022

*= Mandatory, infarmation must be provided

Click or tap the boxes to enter text. If not applicable, indicate "N/A".

*Title:

Approval of a Riparian Habitat Mitigation In-Lieu Fee Proposal for a Grading Permit at 4535 North Avra Road, Located within Regulated Riparian Habitat

*Introduction/Background:

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires a riparian habitat mitigation plan (RHMP) for mapped riparian habitat disturbances greater than 1/3 acre. The RHMP requires Flood Control District Board of Directors (Board) approval when disturbance of Important Riparian Area exceeds 1/3 of an acre and is more than 5 percent of the habitat on the property. 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 offsite mitigation proposals require Flood Control District Board of Directors (Board) review and approval.

*Discussion:

The owner Mr. Schaffner has applied for a grading permit on his property located at 4535 North Avra Road. The entire property is mapped within Regulated Riparian Habitat (RRH). Mr. Schaffner hired Greg Shinn with GRS Landscape Architects to prepare a Riparian Habitat Mitigation In-Lieu Fee Proposal and is proposing to contribute a fee of \$2,412.00, based on the a vegetative survey which is allowed under the guidance provided in the Pima County Regulated Riparian Habitat Off-Site Mitigation Guidelines.

*Conclusion:

Acceptance of mitigation banking funds in-lieu of onsite 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 In-Lieu Fee Proposal conforms to the Ordinance and the Guidelines, and, as such, the District recommends approval.

*Fiscal Impact:

\$2,412.00

*Board of Supervisor District:

County Administrator Signature:

Department: Regional Flood Control District	Telephone: 724-4600	vaning of the second of the se
Contact: Patricia Gilbert	Telephone: 724-4606	
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Department Director Signature:		Date: 5/24/22
Deputy County Administrator Signature:		Date: 5/24/2022

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7/14/2021





FLOOD CONTROL

TO:

DATE: May 23, 2022

Flood Control District Board of Directors

FROM: Suzanne Shields, P.E.

Director

SUBJECT:

Approval of a Riparian Habitat Mitigation In-Lieu Fee Proposal for a Grading Permit at

4535 North Avra Road, Located within Regulated Riparian Habitat (District 3)

Background

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires a riparian habitat mitigation plan (RHMP) for mapped riparian habitat disturbances greater than 1/3 acre. The RHMP requires Flood Control District Board of Directors (Board) approval when disturbance of Important Riparian Area exceeds 1/3 of an acre and is more than 5 percent of the habitat on the property. 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 offsite mitigation proposals require Flood Control District Board of Directors (Board) review and approval.

Report

The owner Mr. Schaffner has applied for a grading permit on his property located at 4535 North Avra Road (Exhibit A). The entire property is mapped within Regulated Riparian Habitat (RRH) and there are three classifications of RRH; Important Riparian Area with an Underlying Classification Xeroriparian C and D Habitat and Xeroriparian Class D Habitat (Exhibit B). The disturbance 0.63 acres is over 5% of the RRH on the property. Mr. Schaffner hired Greg Shinn with GRS Landscape Architects to prepare a Riparian Habitat Mitigation In-Lieu Fee Proposal (Exhibit C) and is proposing to contribute a fee of \$2,412.00 in lieu of onsite mitigation, based on the a vegetative survey which is allowed under the guidance provided in the *Pima County Regulated Riparian Habitat Off-Site Mitigation Guidelines*.

Recommendation

Acceptance of mitigation banking funds in-lieu of onsite 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

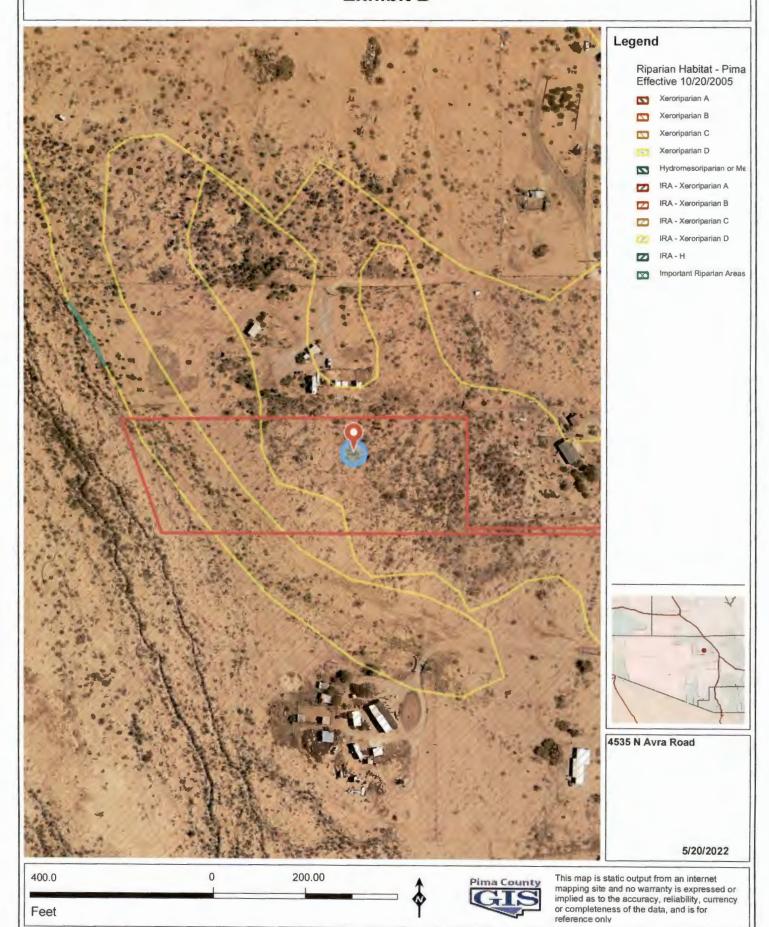
Attachments: Exhibit A – Project Location

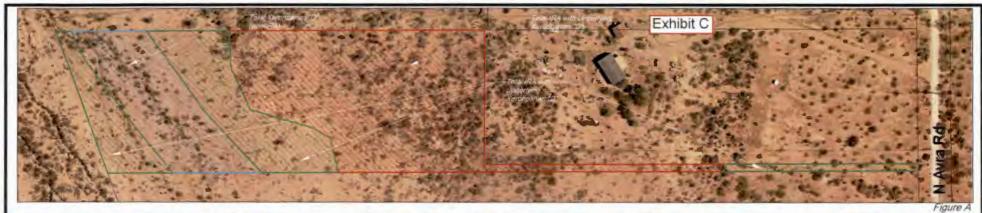
Exhibit B – Project Site – Riparian Classification Map Exhibit C – Mitigation Banking In-lieu Fee Proposal

Exhibit A

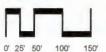


Exhibit B





Scale: 1" = 50'



North

RIPARIAN NOTES

- Zoning = RH
- Gross Site Area = 186,602 St (4.28 acres)
- Land Use = Rural Homestead Area Calculations
- a. Gross site area = 186,602 St (4,28 acres)
- Total Regulated Riperian Habitat on Site = 168,602 Sf (4.28 acres)
- c. Total Disturbance on Site = 41.745 St (0.96 some)
- d. Total IPA with Underlying Xeroriparian "C" on Site = 98.671 Sf (2,27 acres)
- Disturbance of IRA with Underlying Xeroriparian "C" = 27,358 Sf (0.63 ecres)
- f. Total IRA with Underlying Xeroriparian "D" on Site = 51,514 Sf (1.18 acres)
- g. Disturbance of IRA with Underlying Xeroriparien "D" = 14.387 Rf (0.33 acres)
- h. Total Xeroriparien "D" on Site (non-IRA) = 38,417 Sf (0.84 acres)
- Disturbance of Xeroriparien "D" (non-IRA) on 88e =

RIPARIAN LEGEND

Total IRA with Underlying 96,671 2.27

Disturbence of IRA with Underlying 27,358 Sf (0.63 ac)

Xeroriperien "C" Total IRA with Underlying Xeroriparien "D" on Site 51,514Sf (1.18 ac)

Disturbance of IRA with Underlying 14,387 Sf (0.33 ac)

Total Xeroriperien "D" on Site 38,417 Sf (0.84 ac)

CALCULATIONS

ations: IRA with Underlying Xeroriparien "C

Total IRA with Underlying Xeroriparian "C" Habitat 98,671 Sf (2.27 acres) Total Area of Disturbed Riperion Habitat 27.358 Sf (0.83 ac) Min, Miligation Area Required (No Gresses on Sile) 0 Sf (0.00 ac) Total # of Trees Required # 1,5 x 0.63 x 7 =

Total # of Shrubs Required = 1.5 x 0.63 x 20 = 19 Shrubs Total Ripanan Mitigation Area Required = 28,726 St (0,66 ac) 0 St (0,00 ac) Total Riperian Miligation Area Provided on Site = Total Riparian Militation Area Provided by in lieu fees n 94 (0.00 mc) Total # of Trees Required = 1.5 x 0.63 x 7 = 7 Trees Total Trees Provided on Site = 0 Trees Total Trees Provided by in lieu fee * 19 Shrubs

Total # of Shrubs Required = 1.5 x 0.63 x 20 = Total Shrubs Provided on Site = Total Shrubs Propried by in last fee a otal Hydroseed Required (No Grasees on Site) Total Hydroseed Provided on Site = Total Hydroseed Provided by in Seu fee =

CALCULATIONS

Calculations: IRA with Underlying Xeroripenen "D"

Total IRA with Underlying Xeroriparian "D" Hebitat Total Ares of Disturbed Riperien Hebitat Min. Mitigation Area Required (No Grasses on Site)

Total # of Trees Required = 1.5 x 0.33 x 7 = Total # of Shrubs Required = 1,5 x 0.33 x 20 = 10 Shrube Total Riparian Mitigation Area Required = Total Ripenen Miligetion Area Provided on Site = Total Riperten Miligation Area Provided by in lieu feet

Total Trees Provided on Site = Total Trees Provided by in lieu fee = Total III of Shrube Required = 1.5 x 0.33 x 20 = Total Shrube Provided on Site =

Total Hydroseed Provided on Site = Total Hydroseed Provided by in lieu fee =

51,514 Sf (1.18 acres) 14,387 St (0.33 ac) 0 St (0.00 ac)

0.5f (0.00 ac) 0.9f (0.00 ac) 0 Sf (0.00 ac) Total # of Trees Required = 1,5 x 0.33 x 7 = 4 Trees 0 Trees 4 Trees 10 Shrubs

0 Shrubs Total Shrubs Provided by in lieu fee = Total Hydroseed Required (No Gresses on Site) 0.9/ (0.00 ac) 0 Sf (0.00 ac)

RIPARIAN MITIGATION NOTES

The property is being intigated using the In-Lieu Fee(ILF) method. Vegetation on the property is in extremely poor condition, with most of the trees and shrubs being dead. No grasses are found on the property.

The properly has already been cleared. Plant densities are calculated using adjacent undeared enses of similar density, based on serial photography. Figure 8 shows location of existing, five trees. Live trees were preserved within some of the cleared grees. Trees were calculated at 7 live trees per acre. This number has been used for calculation of the required mitigation. Shrubs were calculated at 20 live shrubs per acre.

The debris piles which are still on site from the clearing were searched for

Indications of the vegetation that was removed.

Mitigation was calculated separately for IRA with Xeroriparian "C" and IRA with Xeroriparian "C", although the same plant dunalizes were used for both Riperien Types.

RIPARIAN METHODOLOGY

This property contains both IRA Ripsinsn "C" and IRA Ripsinsn "D". The property has been cleared as indicated on Figure B. Severet trees ever preserved within the clearing limits as indicated on Figure B.

The vegetation on the property is in generally poor condition with most of the trees either deed or dying. There are no greases growing on the property. There are some shrubs on the property that are allws. These conditions are arrivened by the photos.

Based on the sensi photo and ground verification with scrating vegetation adjacent to the cleaning, we have estimated the number of live shrubs and trees within the cleaning limits. These estimates have been used to determine the amount of mitigation. recuired

A calculation of in Lieu Fee has been provided.





0 Shrubs

19 Shrubs

D St (0.00 ac)

0 St (0.00 ac)

0 Sf (0,00 ac)

35974 S. Desert Sun Drive Tucson, AZ 85739 (520) 909-4678 grege@grelandscapearchitects.com

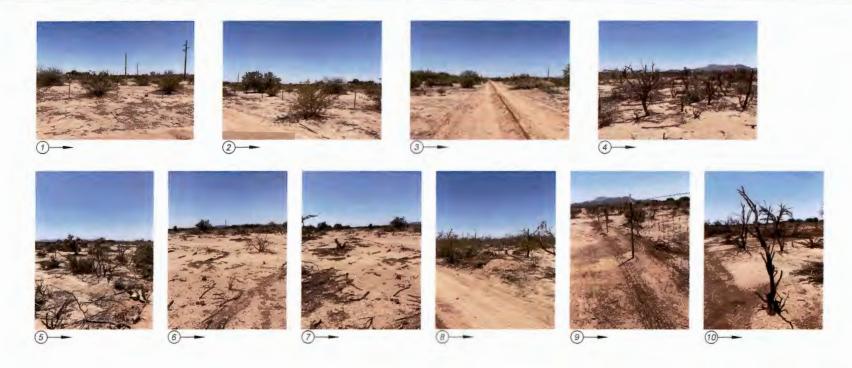
5/17/22 Decign Review

Construction Documents Drawn by

LMW/KVP M Agency Submitted Construction Sut GRS ID Not for Construction

4535 N. Avra Rd. Tucson, Pima County, AZ RIPARIAN HABITAT MITIGATION PLAN

RHMP-1 1.2



4535 N Aven Reed

CALCULATION OF IN-LIFE FEE

Missing Plant Manager

11 —Trees (50% 15 gal, and 50% 5 gal.) 15 — 5 gal, Shrafes 14 — 1 gal, Shrafes 0 — 80 Native Steel

6 - 15 gal, Texas - \$ 94,00°	504.
	5040
5 5 gal. Trocs \$ 42.00°	210.
15 5 mil. Shedes - \$ 42.00°	630
14 - 1 mil. Shruhs - \$ 12.001	160.
0 - SF Native Steel - 5 0.07	01
Maintenante Cost - \$ 500.00 ²	500.
Invigation Cost -S 150.00 ³	150.0
Water Cost ^a	250
TOTAL INJUST: PEE	\$ 24124

Note:

1.— There are "west" cross that include the cost of spagient tribing and emisters. These casts have a continuous by 50% based on recent inflation.

2.— Manisonance contributed on \$100 per year.

3.— Inflations surceive (mater, backflow, irrigation convolter, installate, poly list, valve and personner regulatory one of selficonel by the addition of the plant material. Not Maintine extension or additional valves are required to irrigate additional plant material. However the cost is included in plant of the contributed valves are required to irrigate additional plant material. However the cost is included in plant of the cost include the plant of the included. Cost of materials which we have a contributed valves of the cost of materials which is included in plant of the cost of materials which is included in plant of the cost of cost of the cost of the





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Dalar 5/17/22 Construction Document Tourish by LMW/KVP Checked by GRS Meritan House Residue Set Meritan Construction Set Residue Set Resid

4535 N. Avra Rd. Tucson, Pima County, AZ

RIPARIAN HABITAT MITIGATION PLAN

RHMP-2 2-2