

BOARD OF SUPERVISORS AGENDA ITEM SUMMARY

Requested Board Meeting Date: April 7th, 2015

ITEM SUMMARY, JUSTIFICATION &/or SPECIAL CONSIDERATIONS:

The property owners, Mr. and Mrs. Dominguez, have applied for a permit to construct a single family residence at the residential property located at 1242 North Calle Rinconado. The property is located adjacent to the Flato Wash and within the Lee Moore Wash Floodplain. This development will impact over one-third of an acre of Important Riparian Area with an Underlying Classification of Xeroriparian C and will disturb more than 5% of the total mapped riparian habitat. As such, the applicant is subject to compliance with Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance). Due to site constraints, the applicants are proposing to perform mitigation partially onsite while contributing an in-lieu fee (ILF) to compensate for the remaining amount. When the disturbance will be mitigated through contribution of an ILF or when the disturbance of Important Riparian Area is over one-third of an acre and exceeds 5% of the total mapped riparian habitat on the site, the mitigation proposal requires Flood Control District Board of Directors (Board) review and approval.

In order to comply with the Ordinance, the applicant is submitting a partial onsite riparian habitat mitigation plan and partial ILF for Board approval. The mitigation proposal must be approved prior to issuance of a Floodplain Use Permit which specifies floodplain and building requirements for the single family residence.

CONTRACT NUMBER (If applicable):	N/A
CONTRACTOR OF THE CONTRACTOR O	

STAFF RECOMMENDATION(S):

Conceptually, the combination onsite mitigation plan and in-lieu fee presented conforms with the Ordinance and, as such, can be approved.

CLERK OF BOARD USE ONLY: BOS MTG.
ITEM NO.
PIMA COUNTY COST: 0.0 and/or REVENUE TO PIMA COUNTY:\$ 1041.00
FUNDING SOURCE(S): N/A (i.e. General Fund, State Grant Fund, Federal Fund, Stadium D. Fund, etc.)
Advertised Public Hearing:
YES X NO
Board of Supervisors District:
1 2 3 4 x 5 AII
IMPACT:
IF APPROVED:
Per the plan, riparian habitat mitigation will occur onsite within the specifically designated areas and will be performed in compliance with Board approved mitigation standards. The remaining mitigation will consist of a contribution to the mitigation bank as an in-lieu fee in the amount of \$1041.00. By performing a combination of onsite and offsite mitigation, the development will be in compliance with the Ordinance.
IF DENIED:
The applicant will not be able to continue with developing the property as currently planned and an alternative mitigation proposal will be required.
DEPARTMENT NAME: Regional Flood Control District
CONTACT PERSON: <u>Eric Shepp/Patricia Gilbert</u> TELEPHONE NO.: 4-4610/4606
DIRECTOR'S SIGNATURE: Sugara Shulds
Suzanne Shields, P.E.





FLOOD CONTROL

TO:

DATE: March 10, 2015

FROM: Suzanne Shreids, P.I

Flood Control District Board of Directors

SUBJECT:

Approval of a Riparian Habitat Mitigation Proposal for Construction of a Single Family

Residence, Located within Important Riparian Area with Underlying Class Xeroriparian

C Habitat (District 4)

Background

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires mitigation when greater than one third acre Regulated Riparian Habitat (RRH) is disturbed. Additionally when disturbance of Important Riparian Area exceeds 5% percent of the total riparian habitat mapped on site or when the disturbance will be mitigated by a contribution of an In-lieu Fee (ILF), the Riparian Habitat Mitigation Plan (RHMP) requires Flood Control District Board of Directors (Board) review and approval.

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*, which govern the type, amount, and location of required mitigation. When onsite mitigation is not feasible, offsite mitigation options become available in accordance with the adopted *Regulated Riparian Habitat Offsite Mitigation Guidelines for Unincorporated Pima County*.

Report

The property owners, Mr. and Mrs. Dominguez, have applied for a permit to construct a single family residence on the property located at 1242 North Calle Rinconado. The property is adjacent to the Flato Wash (Exhibit A) and is located within the Lee Moore Wash Basin Management Special Studies Area. The property is mapped Important Riparian Area Underlying Class Xeroriparian C (XC) (Exhibit B). Upon review, staff determined that the site had been graded without a permit. This activity disturbed greater than one third acre of RRH, therefore a RHMP is required. Once notified of the requirement, the owners submitted a RHMP to mitigate for the disturbance.

The owners assessed the project site for suitable onsite mitigation areas and determined that completing mitigation entirely onsite is not possible due to the size of the parcel, extent of disturbance, and size of the residence. To achieve compliance with the Ordinance, the owner will install a portion of the mitigation onsite, and contribute a fee in-lieu of the remaining mitigation.

All onsite mitigation planting will occur per the RHMP (Exhibit C), which shows the type, number, and planting location of vegetation to partially compensate for land disturbance. The mitigation areas are located within existing or disturbed habitat adjacent to the SFR. The remaining disturbed area of will be compensated for through submittal of an ILF in the amount of \$ 1041.00 (Exhibit D). The fee shall be paid prior to issuance of the Floodplain Use Permit.

Flood Control District Board of Directors

Approval of a Riparian Habitat Mitigation Proposal for Construction of a Single Family Residence, Located within Important Riparian Area with Underlying Class C Habitat (District 4)

March 10, 2015

Page 2

Disturbance: IRA/XC = 0.61 acres

Minimum Mitigation Area Required = 0.64 acres to be mitigated

OFFSITE MITIGATION CALCULATION

OFFSITE REQUIREMENTS FROM RHMP (Exhibit D)

REQUIREM TOTAL CO		<u>UNIT COST</u>
Trees		
5 Gal. Trees \$130		\$13.00
15 Gal. Trees \$243.		\$27.00
Seeding		A.a
Hydroseeding	g2 1 Lump Sum	\$400.00
Irrigation3	1 Lump Sum	\$268.00

TOTAL IN LIEU MITIGATION COST = \$1,041.00

Footnotes

- 1 Price per attached quote.
- 1 Cost reflects Owner's profession as a landscape contractor.
- 2 Price per attached quote.
- 3 Includes cost of Valving and Connection to Existing System

Recommendation

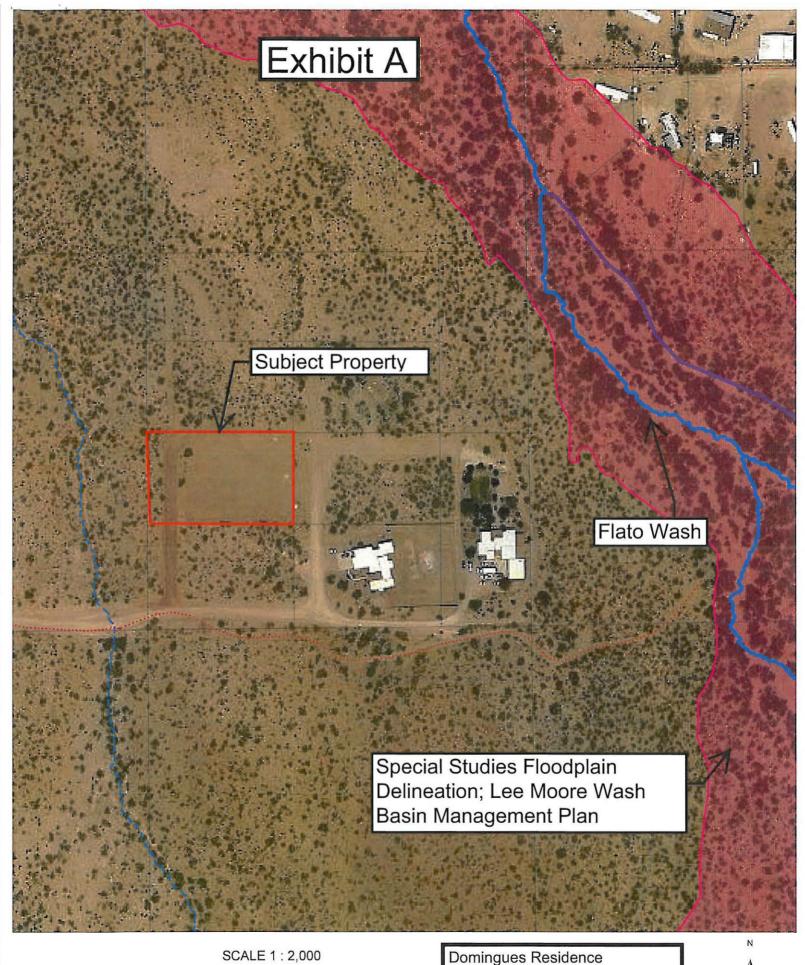
Acceptance of mitigation banking funds in-lieu of onsite mitigation is allowed under the Ordinance. Contributions to the mitigation bank for disturbance of this habitat will provide funds to be used toward purchase of high value riparian resources or towards restoration of degraded riparian habitat within Pima County. Additionally, the RHMP conforms to the Ordinance and associated mitigation standards and guidelines and, as such, can be approved.

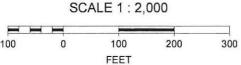
Attachments: Exhibit A – Project Location

Exhibit B - Project Site - Riparian Classification Map

Exhibit C - Riparian Habitat Mitigation Plan

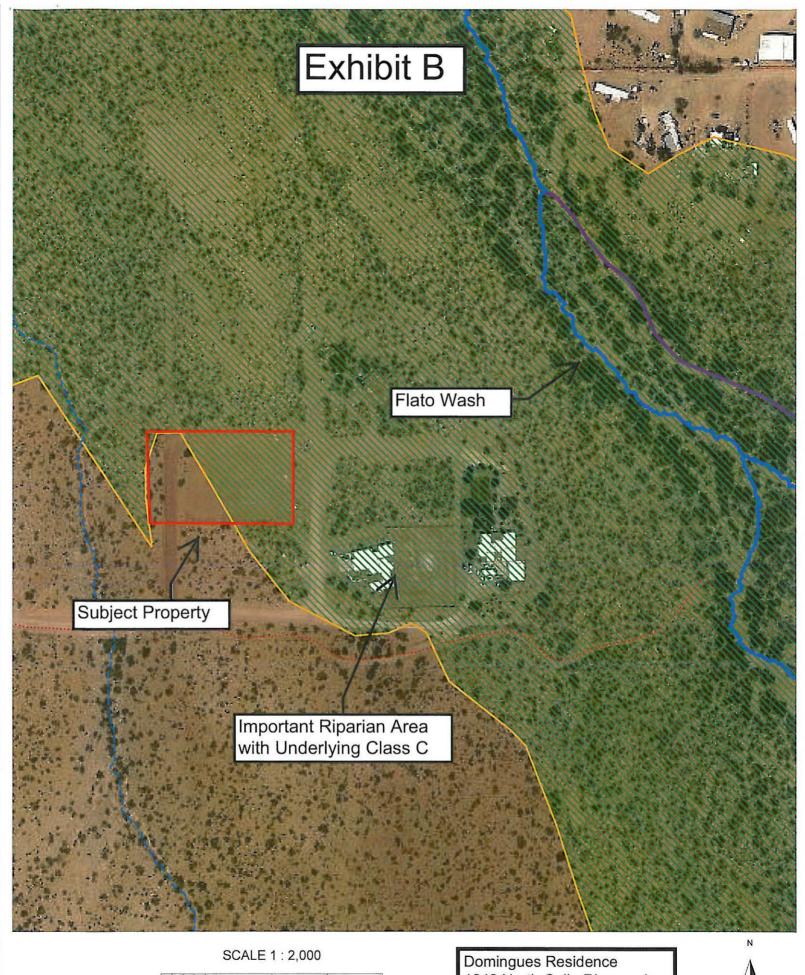
Exhibit D - In-Lieu Fee Proposal

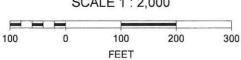




Domingues Residence 1242 North Calle Rinconado BOS Meeting Date 4/07/15







Domingues Residence 1242 North Calle Rinconado BOS Meeting Date 4/07/15



45 x 0.91 =

 $70 \times 0.91 =$

No more than 75% of trees used in the Mitigation Area can be of a single species

No more than 35% of shrubs can be of a single species, with a maximum of one

5 Gal

15 Gal

5 Gal

15 Gal

5 Gal

SIZE

1 Gal

5 Gal

1 Gal

5 Gal

1 Gal

5 Gal

1 Gal

5 Gal

1 Gal

REFER TO PLANTING KEY AND STANDARDS

DEPRESSED GRADE TO

AREA 15,557 sf = 0.357 ac 22 TREES 64 SHRUBS

0

26,567 sf (0.61 ac)

26,567 sf (0.61 ac)

100%

27,896 sf (0.64 ac)

41 Trees

64 Shrubs

27,896 sf

15.557 sf 12.339 sf

41 Trees

22 Trees

19 Trees

64 Shrubs

64 Shrubs

27,896 sf

15.557 sf

12,339 sf

CALCULATIONS:

The site contains Important Riparian Area, with

Percent Disturbed of Total Mapped Riparian Habitat

Min. Mitigation Area Required = 1.5 x 0.61 x 0.7 =

nderlying Class C Xeroriparian Habitat

Total Regulated Riparian Habitat On-Site

Total Area of Disturbed Riparian Habitat

Total Riparian Mitigation Area Required

Total Riparian Mitigation Area Provided on Site

Total Riparian Mitigation Area Provided by in lieu fee

Total # of Trees Required =

otal # of Shrubs Required =

Total # of Trees Required =

Total Trees Provided by in lieu fee

Total Hydroseed Provided on Site

Total Hydroseed Provided by in lieu fee

Tree size: 50% 5-gallon; 50% 15-gallon.

Shrub size: 50% 1-gallon; 50% 5-gallon

shrub species from the "cacti & succulents" list allowed.

(IN LIEU) 12,339 sf = 0.283 ac 19 TREES

Total Trees Provided on Site

Total # of Shrubs Required =

Total Shrubs Provided on Site

Total Hydroseed Required =

MITIGATION AREAS

PLANT SCHEDULE

Prosopis velutina

Chilopsis linearis

atclaw Acacia

arrea tridentata

Desert Hackberry

immondsia chinens

odonaea viscosa

Calliandra eriophylla

MITIGATION PLANT

FINISH GRADE -

CLEAN SITE SOIL-REMOVE ALL ROCKS OVER 2" IN DIAMETER

PLANT PIT

Celtis pallida

Jojoba

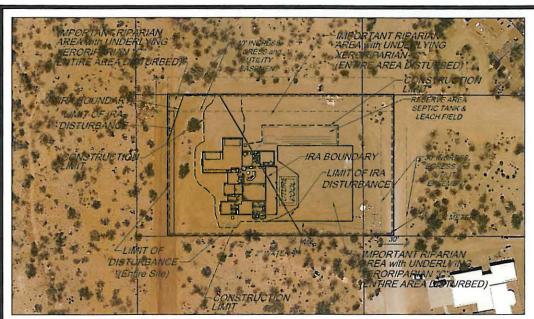
Hopbush

airy Duster

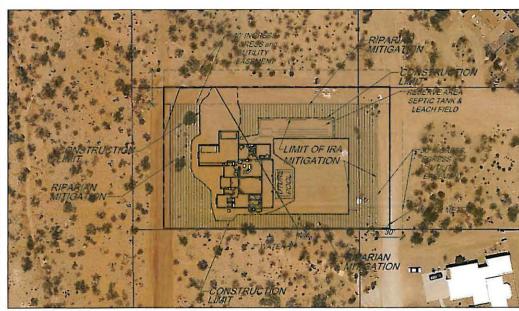
SHRUBS

Acacia greggii

Desert Willow



RIPARIAN DISTURBANCE AREA



RIPARIAN MITIGATION AREAS

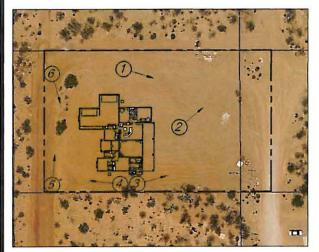
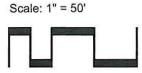


PHOTO MONITORING POINTS



0' 25' 50' 100' 150'



. THIS DETAIL IS FOR GRADING OF THE MITIGATION PLANTING PIT ONLY.

MITIGATION PLANT GRADING DETAIL





Date: 3	/9/15
Project Number:	15001
Drawn by:	LMW

GRS

Design Review Construction Docu Agency Submittal

RIPARIAN NOTES

- Zoning = GR1 Site Area = 43,984 sf (1.01 ac)
- Land Use = Residential
- Area Calculations: Total Project Area
- 43.781 sf (1.01 acres) 43,781 sf (1.01 acres) Total Area Graded
- Total Natural Open Space 26,567 sf (0.61 acres) Total Riparian Habitat On Site
- (IRA w/underlying Xeroriparian "C")
- 26,567 sf (0.61 acres) Total Proposed Habitat Disturbance See Riparian Plan for Mitigation
 quantities and Mitigation Area locations

RIPARIAN MITIGATION NOTES

- The Property Owner shall be responsible for maintenance of the
- required landscape and irrigation system in perpetuity.

 Mitigated area will be hydroseeded with a minimum of 12 species from the approved Class D plant list found in Appendix B of the "Regulated Riparian Habitat Mitigation Standards and Implementation Guidelines." If plant species listed on the Mitigation Plan are unavailable, replacement species from the approved plant list may selected based upon availability. Of the 12 species, 4 shall be shrubs, 4 shall be annuals/perennials/vines, and 4 shall be grasses.
- Mitigation plantings to be irrigated using an automatic drip irrigation
- Mitigation Plan implementation shall be completed by the first growing season following completion of construction, which is projected to be March-May, 2016.
- A monitoring plan, in accordance with the Guidelines, will be submitted annually for a period of five (5) years following implementation of the Riparian Habitat Mitigation Plan (RHMP). Any changes from the approved RHMP shall be noted on the monitoring

Monitoring plan shall be submitted to the RFCD at: Pima County Regional Flood Control District ATTN: Floodplain Management Division Staff 97 E. Congress St., 3rd Floor

Place the FPUP number on the envelope and monitoring plan

- The Project Owner, and/or the Owner's successors, agree to preserve and protect the Mitigation Area for the duration of the project. Further, the project owner and/or their successors agree to actively maintain the mitigated area for a period of not less than five years. Maintenance activities shall include, but not be limited to, the regular operation of the irrigation system, the replacement of dead trees, and the removal of noxious and/or invasive plant species.
- Mitigation area(s) to be left in a natural state. No disturbance shall occur within the mitigation area(s) without RFCD review and approval. Such disturbance includes but is not limited to secondary impacts such as the presence of livestock, fencing, intensive landscaping, outdoor play areas, etc.
- Materials within the sight visibility triangles shall be placed so as not to interfere with a visibility plane described by two horizontal lines located 30 inches and 72 inches above finished grade of the roadway surface.
- Mitigation areas may not be treated as traditional landscaped areas. It is required that all trees, shrubs and vegetative groundcovers within the mitigation areas remain in place and in a natural state - no rock mulch, shrubs trimmed with hedge trimmers or removal of natural

XERORIPARIAN DESERT SEED MIX

The hydroseed mix shall co.	nsist of the following se	eeds:
BOTANICAL NAME	COMMON NAME	PLS lbs/a
Aristida purpurea	Purple Three-Awn	2.0
Aster tanacetifolius	Purple Aster	3.0
Baileya multiradiata	Desert Marigold	1.5
Dischlostemma pulchellum	Blue Dicks	5.0
Ericameria laricifolia	Turpentine Bush	1.0
Erigonum fasciculatum	Flat Top Buckwheat	1.0
Hyptis emoryi	Desert Lavender	4.0
Leptochloa dubia	Green Sprangletop	4.0
Lycium spp.	Wolfberry	3.0
Larrea tridentata	Creosote	2.0
Nolina microcarpa	Beargrass	3.0
Parthenium incanum	Mariola	2.0
Penstemon parryi	Penstemon	4.0
Sphaeralcea ambigua	Globemallow	3.0
Sporobolus cryptandrus	Sand Dropseed	2.0



POINT 2



POINT 6



POINT 5

DOMINGUEZ RESIDENCE

Parcel No. 305-40-041J 1242 N. CALLE RINCONADO, VAIL, AZ 85641 Section 3, T-17-S, R-16-E, G&SRM, Pima County, AZ

RIPARIAN HABITAT MITIGATION PLAN Floodplain Use Permit number: 15-008R

sheet 1 of 1

Exhibit D



March 9, 2015

Patricia Gilbert, Principal Hydrologist Floodplain Management Division, Pima County Flood Control 97 E. Congress, 3rd Floor Tucson, AZ 85701

RE: Floodplain Use Permit No. 15-0008RP
Placement of a Single Family Residence and Existing Grading at 1242 N. Calle Rinconado

Dear Pima County Regional Flood Control Department,

The proposed Riparian Habitat Mitigation Plan has been prepared to address previous non-permitted disturbance of Riparian Habitat. The disturbance was done by a previous owner, prior to the current owner's purchase of the property. The current owner (Dominguez) became aware of the violation when they submitted construction plans for a residence on the property.

Because the property is totally disturbed, and is designated as IRA, it is not possible to provide total mitigation on the site. We have worked with the owners to provide the maximum, sustainable mitigation onsite, with the remainder to be handled as an in-lieu fee. It is our opinion that increasing onsite mitigation will not be successful because of the normal foot traffic and activity around the residence.

Should you have any questions, or require further information, please let me know.

Respectfully,

GRS LANDSCAPE ARCHITECTS, INC.

Gregory R. Shinn, RLA

OFFSITE MITIGATION CALCULATION

Dominguez Residence 1242 N Calle Rinconado Vail, AZ

OFFSITE REQUIREMENTS FROM RHMP (copy provided on next page)

<u>REQUIREMENT</u>	QUANTITY	<u>UNITS</u>	<u>UNIT COST</u>	TOTAL COST
Trees 5 Gal. Trees ¹	10	Each	\$13.00	\$130.00
15 Gal. Trees ¹	9	Each	\$27.00	\$243.00
Seeding				
Hydroseeding ²	1	Lump Sum	\$400.00	\$400.00
Irrigation ³	1	Lump Sum	\$268.00	\$268.00
TOTAL IN LIEU MIT	IGATION COS	т		\$1,041.00

- 1 Price per attached quote.
- 1 Cost reflects Owner's profession as a landscape contractor.
- 2 Price per attached quote.
- 3 Includes cost of Valving and Connection to Existing System
- 3 Price per attached quote.

CALCULATIONS:				
The site contains Important Riparian Area, with				
underlying Class C Xeroripari	ian Habitat			
Total Regulated Riparian Habitat	On-Site	26,567 sf (0.61 ac)		
Total Area of Disturbed Riparian	Habitat	26,567 sf (0.61 ac)		
Percent Disturbed of Total Mapp	ed Riparian Habitat	100%		
Min. Mitigation Area Required =	1.5 x 0.61 x 0.7 =	27,896 sf (0.64 ac)		
Total # of Trees Required =	45 x 0.91 =	41 Trees		
Total # of Shrubs Required =	70 x 0.91 =	64 Shrubs		
Total Riparian Mitigation Area Re	27,896 sf			
Total Riparian Mitigation Area Provided on Site		15,557 sf		
Total Riparian Mitigation Area Pro	ovided by in lieu fee	12,339 sf		
Total # of Trees Required =	45 x 0.91 =	41 Trees		
Total Trees Provided on Site		22 Trees		
Total Trees Provided by in lieu	fee	19 Trees		
Total # of Shrubs Required =	70 x 0.91 =	64 Shrubs		
Total Shrubs Provided on Site		64 Shrubs		
Total Hydroseed Required =	27,896 sf			
Total Hydroseed Provided on S	15,557 sf			
Total Hydroseed Provided by in lieu fee 12,339 sf				

Civano Nursery, Inc.

5301 S. Houghton Road Tucson, AZ 85747

> Vail, AZ 85641 Tax Exempt

Wholesale Ofc: 520.746.9205 Wholesale Fax: 520.746.4977

Name / Address Dominguez Desertscapes, LLC 1242 N Calle Rinconado

BID

Date	Estimate #
2/25/2015	1366

		Project Name	e		Rep
			, , , , ,		sv
Description		Qty	Rate	Т	otal
1154-Chilopsis linearis 'Sweet Katie Burgundy' Desert Willow' #15 1163-Prosopis velutina (Velvet Mesquite)#15		4 5	26.95 26.95		07.80T 34.75T
1154-Chilopsis linearis 'Sweet Katie Burgundy' Desert Willow' #5 - Se 1163-Prosopis velutina (Velvet Mesquite) - #5 - Set Price \$12.95	t Price \$12.95	5 5	12.95 12.95		64.75T 64.75T
Delivery to Greater Tucson Area		1	25.00		25.00
		Subtota	1		\$397.05
		Sales T	ax (0.0%)		\$0.00
		Total			\$397.05

W.L. Lansky Custom Building, Inc.

P.O. Box 351 Green Valley, AZ 85622 LICENSE # 190519 B LICENSE#268822 B-2 PH (520) 429-0885/ FAX (520) 399-2185

February 25, 2015

Job: Dominguez Residence 1242 N. Calle Rinconado Vail, Az

WE HEREBY SUBMIT SPECIFICATIONS AND ESTIMATES FOR: Materials and labor to hydroseed approximately 12,500 s.f. for the sum of **\$400.00**

50% Due for materials ordered, 50% Due upon completion

DATE OF ACCEPTANCE_____SIGNATURE___

BID SUBJECT TO CHANGE IF NOT ACCEPTED WITHIN 30 DAYS.

ALL MATERIAL IS GUARANTEED TO BE AS SPECIFIED. ALL WORK TO BE COMPLETED IN A WORK LIKE MANNER ACCORDING TO STANDARD PRACTICES. ANY ALTERATION OR DEVIATION FROM ABOVE SPECIFICATIONS INVOLVING EXTRA COSTS WILL BE EXECUTED ONLY UPON WRITTEN ORDERS, AND WILL BECOME AN EXTRA CHARGE OVER THE ABOVE ESTIMATE. ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, OR DELAYS BEYOND OUR CONTROL. OWNER TO CARRY NECESSARY INSURANCES.

Inclusions: 12,500 s.f.

- ▶ Wood fiber mulch at a rate of 2000 lbs. per acre
- Approved Pima County design seed mixStikPlus tackifier
- Seed certification documents
- ▶ Trash removal

Exclusions:

- ▶ Water meter fees/ usage fees
- Supplemental watering
 Fertilizer/ soil conditioners
- ▶ Growth guarantee
- ▶ Any other items not in the above inclusions

EWING, TUCSON #32

* QUOTATION *

PAGE:

4250 S STATION MASTER DR TUCSON, AZ

IN REPLY TO YOUR INQUIRY PRINT DATE: 2/25/2015

QUOTE DATE: 2/25/2015

(520) 584-9530 85714 - SUBJECT TO CONDITIONS BELOW - QUOTATION#: 2111116

JOB: RICHARD

FOR: 54156 CUSTOMER PHONE: (520) 343-9981

DOMINGUEZ DESERTSCAPES LLC

1242 N CALLE RINCONADO

AZ 85641

CUSTOMER FAX: 1 (520) 207-7856

DESCRIPTION	ITEM NUMBER	QUANTITY	LIST PRICE	NET PRICE	EXTENDED PRICE
=======================================	=========				=
HUNTER NODE 1 STATION PGV 1" VALVE RCV L/S PROD 2GPH PC EMITTER GREEN 1/2" POLY 500' ROLL 3/4" 765 PVB DRIP ZIT (P/R30 & FILTER)	99000000 99000000 12001513 99000000 99000000	1 100 2 1	.39 50.00	55.000 10.000 .195 25.000 45.000	55.00 10.00 19.50 50.00 45.00
TAN JUMBO BOX	99000000	1		25.000	25.00
1 PVC SINGLE MANIFOLD TEE 1 CL200 PVC BE PIPE 1 SPEARS UTILITY SS BV 710C-ELL CXC COMP 90 ELL 710CC COMPRESSION COUPLING 1/2 L/S PROD FIG 8 HOSE END 1 PVC COUPLING SS NESTING	03051001 07000130 20001010 12003070 12003100 12007210 04429010	40 1 4 4 2 2	13.19 46.54 11.07 1.19 .89 .26	6.331 17.685 6.974 .893 .757 .156	6.33 7.07 6.97 3.57 3.03 .31
1 PVC 90 ELL SS 1 PVC TEE SSS IN-BOUND FREIGHT SURCHARGE	04406010 04401010	2 2	2.05 2.73	.513 .683	1.03 1.37 .48

NET PRICES ARE FOR QUANTITIES AND DESCRIPTIONS SHOWN HEREIN ONLY, AND NO IMPLICATION OR WARRANTY		
IS MADE WITH REGARD TO THEIR CORRECTNESS OR AGREEMENT WITH THE SPECIFICATIONS. SHIPMENT SUBJECT	SUBTOTAL	247.52
TO CREDIT CLEARANCE. NO LIABILITY IS ASSUMED FOR QUANTITY SHOWN.	8.1000% TAX	20.05
THE ABOVE QUOTATION IS FOR ESTIMATING PURPOSE ONLY. WHEN ORDER IS PLACED IT WILL BE SHIPPED AT PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS OTHERWISE		
NOTED ON THIS QUOTATION.	QUOTE TOTAL	267.57

Taxes on quote are estimated and will be calculated based on tax rates in effect at time of order.

PRICES SHOWN ARE CURRENT AS OF 2/25/2015 AND WILL BE GOOD UNTIL 3/27/2015. EXCEPTION: WIRE & PIPE PRICES GOOD FOR 2 WEEKS ONLY. BY JESUS

EWING IRRIGATION PRODUCTS & INDUSTRIAL PLASTICS