



BOARD OF SUPERVISORS AGENDA ITEM SUMMARY

Requested Board Meeting Date: August 5th, 2014

ITEM SUMMARY, JUSTIFICATION &/or SPECIAL CONSIDERATIONS:

Oro Valley Water Company is proposing to replace a 12" water main on Pima County property located east of Hartman Lane and north of Cortaro Farms Road. The property is impacted by a regulatory floodplain associated with the Hardy Wash and is also impacted by a FEMA Zone A Special Flood Hazard Area. This development will impact over one-third of an acre of regulated 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 applicant is proposing to mitigate through contribution of an in-lieu fee (ILF). When disturbance will be mitigated through contribution of an ILF, 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 Riparian Habitat Mitigation Plan for approval by the Board. The Riparian Habitat Mitigation Plan must be approved prior to approval of the Floodplain Use Permit.

CONTRACT NUMBER (If applicable): N/A

STAFF RECOMMENDATION(S):

The Riparian Habitat Mitigation Plan which proposed a fee in lieu of onsite mitigation 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: \$ 18,750.00

FUNDING SOURCE(S): N/A
(i.e. General Fund, State Grant Fund, Federal Fund, Stadium D. Fund, etc.)

Advertised Public Hearing:

YES NO

Board of Supervisors District:

1 2 3 4 5 All

IMPACT:

IF APPROVED:

If the Board approves the In Lieu Fee proposal, an amount of \$ 18,750.00 will be contributed to the Mitigation Bank and the development will be in compliance with the Ordinance.

IF DENIED:

The Floodplain Use Permit will be delayed until the applicant provides an alternative onsite and/or offsite riparian habitat mitigation plan that meets all Ordinance requirements.

DEPARTMENT NAME: Regional Flood Control District

CONTACT PERSON: Eric Shepp/Patricia Gilbert TELEPHONE NO.: 4-4610/4606

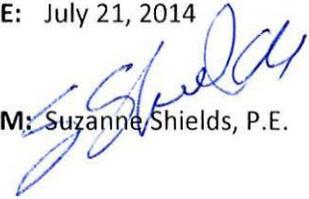
DIRECTOR'S SIGNATURE: _____



Suzanne Shields, P.E.

DATE: July 21, 2014

FROM: Suzanne Shields, P.E.



TO: Flood Control District Board of Directors
Director

SUBJECT: **Approval of a Riparian Habitat Mitigation Plan for a 12" Water Main for Oro Valley Water Company Located within Important Riparian Area Underlying Xeroriparian 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 offsite mitigation proposals require Flood Control District Board of Directors (Board) review and approval.

Report

Oro Valley Water Company is proposing to construct a new 12" water replacement main from the existing Countryside wells. The total length of the line is 3065'. The line will be constructed in a new 40' wide easement through the Pima County property located east of Hartman Lane and north of Cortaro Farms Road (Exhibit A). The property contains Important Riparian Area Underlying Xeroriparian Class C (IRA/XC) habitat (Exhibit B). The construction of the 12" water main will disturb 0.75 acres of IRA/XC habitat. WestLand Resources, Inc. was hired to prepare a riparian habitat mitigation plan (Exhibit C) and is proposing to contribute \$18,750.00 in lieu of onsite habitat mitigation based on the Flat Fee Table for Development Review projects.

Flat fee table for Development Review projects

| | XA | XB | XC | XD | IRA/H, H | IRA/XA | IRA/XB | IRA/XC | IRA/XD |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Cost per Acre | \$17,000 | \$16,000 | \$14,000 | \$12,000 | \$40,000 | \$30,000 | \$28,000 | \$25,000 | \$22,000 |

Total Riparian Disturbance: 32,800 sq. ft.

0.75 acres to be mitigated through an in-lieu fee

Total In-Lieu Fee = 0.75 acres x \$25,000 = \$18,750

Flood Control District Board of Directors

Approval of Riparian Habitat Mitigation Plan for a 12" Water Main for Oro Valley Water Company

Located within Important Riparian Area Underlying Xeroriparian Class C Habitat (District 1)

July 21, 2014

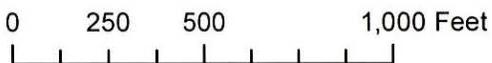
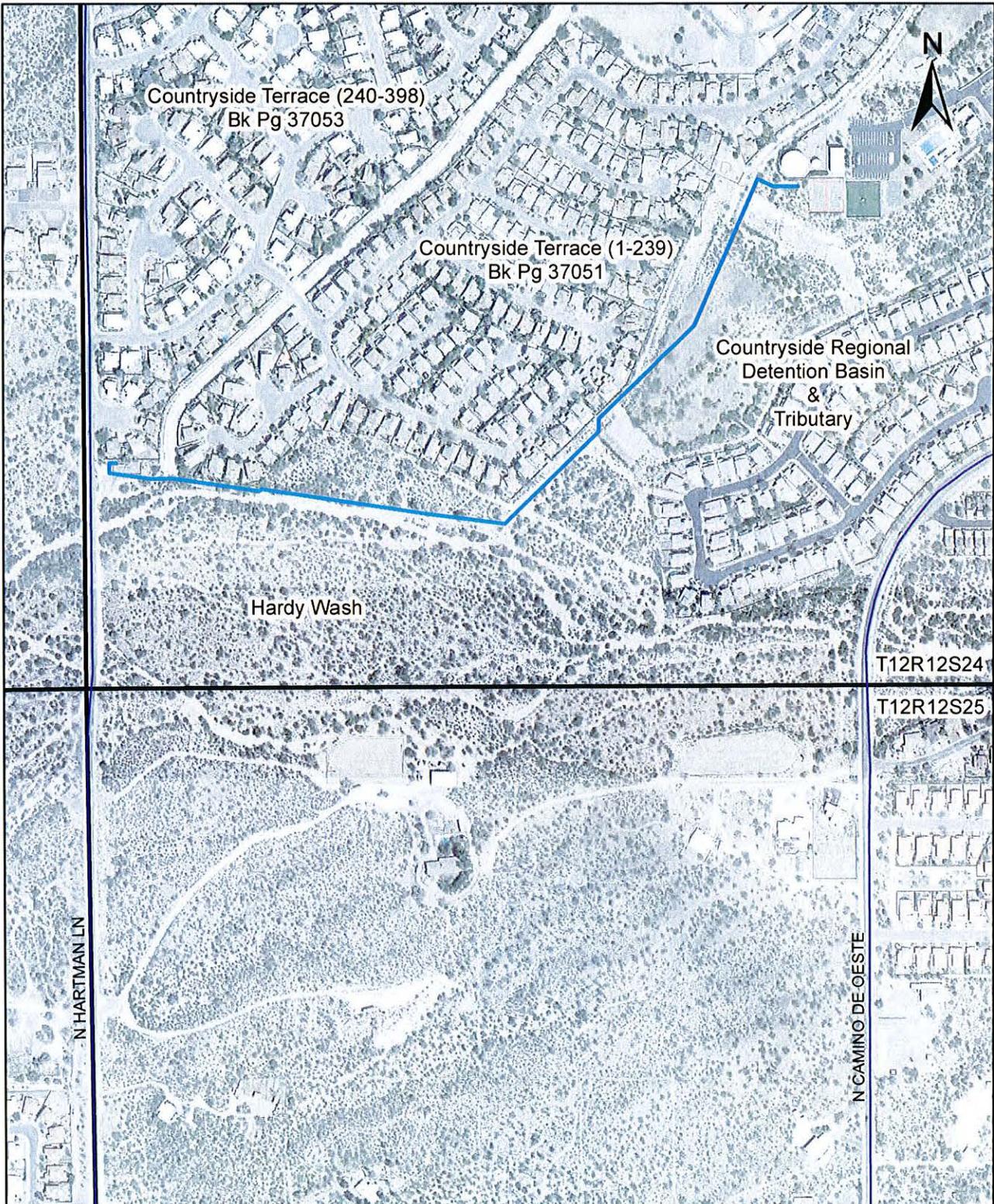
Page 2

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 – Riparian Habitat Mitigation Plan

Exhibit A



Legend

— Pipeline Alignment

Exhibit B



Important Riparian Area with Underlying Xeroriparian Class C Habitat

Hardy Wash

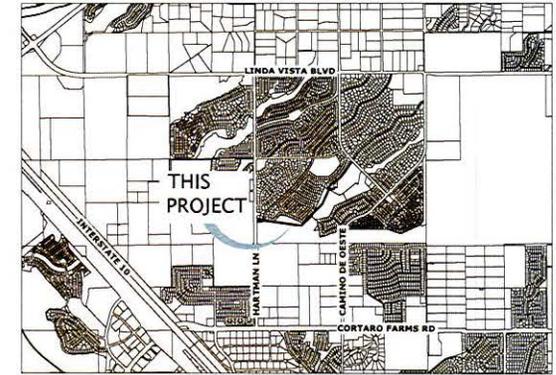
Hardy Wash

Oro Valley Water Company
12" Water Replacement Main
BOS Meeting Date 8.05.14



ORO VALLEY WATER UTILITY

RIPARIAN HABITAT MITIGATION PLANS



LOCATION MAP

SCALE: 1" = 1 MILE
 SECTIONS 24,
 17S, 11E, G&SH, PIMA COUNTY, ARIZONA



PROJECT OVERVIEW

Oro Valley Water Company plans to construct a new 12" replacement water main from the existing Countryside wells CS-2 to CS-1. The total length of the replacement line is approximately 3065'. The line will be constructed in a new 40' wide easement that is adjacent to existing easements for an existing water line and sewer line. The work is within Pima County.

The proposed new construction will disturb existing Pima County xeroriparian "C" Habitat. Approximately 32,800 square feet of xeroriparian "C" habitat will be destroyed for this construction.

Oro Valley Water will not allow mitigation planting to occur within the easement over the new water line for ongoing line maintenance purposes, so on site mitigation of new impacts is not feasible.

MITIGATION

Oro Valley Water Company proposes to pay an in lieu fee as mitigation for impacts to Important Riparian Area/ underlying Xeroriparian "C" habitat. Utilizing the impact costs per acre for XC habitat from Table 2 of the Pima County Offsite Mitigation Guidelines results in the following calculation and resulting in lieu fee:

Area of IRA/ underlying Xeroriparian impact = 32,800 sq. ft. = 0.75 acres of impact.
 0.75 Acres x \$25,000 per acre = \$18,750 total in lieu fee.

PROJECT NOTES

Project Notes

Alignment, engineering, constructability and topographic constraints for this project do not allow the proposed new water line to be located completely outside of the riparian habitat.

Discussions with Pima County Regional Flood Control District staff regarding this project indicate an in lieu fee approach would be acceptable in this instance.

Protection of Undisturbed Regulated Riparian Habitat

Orange construction fencing shall be placed outside of the limits of disturbance where proposed construction abuts Regulated Riparian Habitat.

ORO VALLEY WATER UTILITY

COUNTRYSIDE WELL CS-2 TO CS-1
 12" WATER MAIN REPLACEMENT PLAN
 RIPARIAN HABITAT MITIGATION PLANS
 COVER SHEET



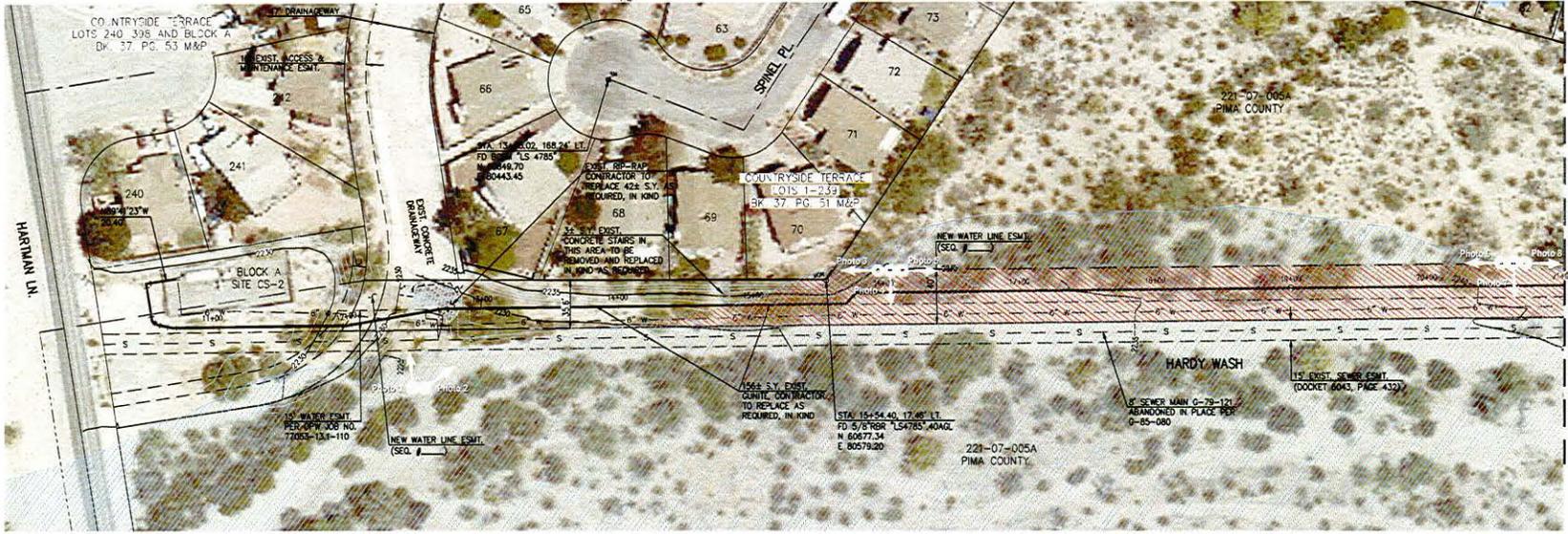
FPUP-No. 14-238RP

| DATE | REVISION | NO. |
|------|----------|-----|
| | | |

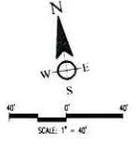
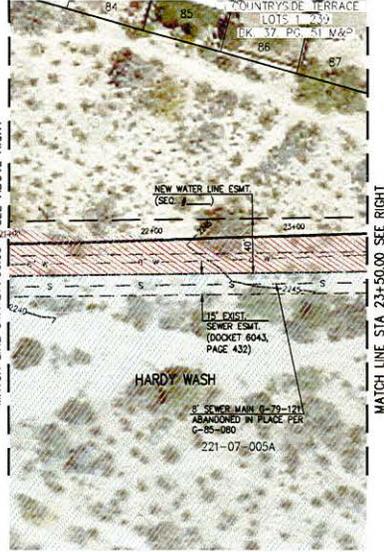


| DESIGNED BY | DRAWN BY | CHECKED BY | SHEET |
|-------------|-------------|------------|-------|
| RWS | ROG | RWS | 1 |
| DATE | PROJECT NO. | SCALE | OF |
| 07/18/14 | 20K-10 | | 3 |

WESTLAND RESOURCES ENGINEERING PATH
 14275 N. GILBERT AVENUE, SUITE 100, GILBERT, ARIZONA 85234
 480.266.8800

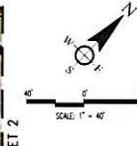
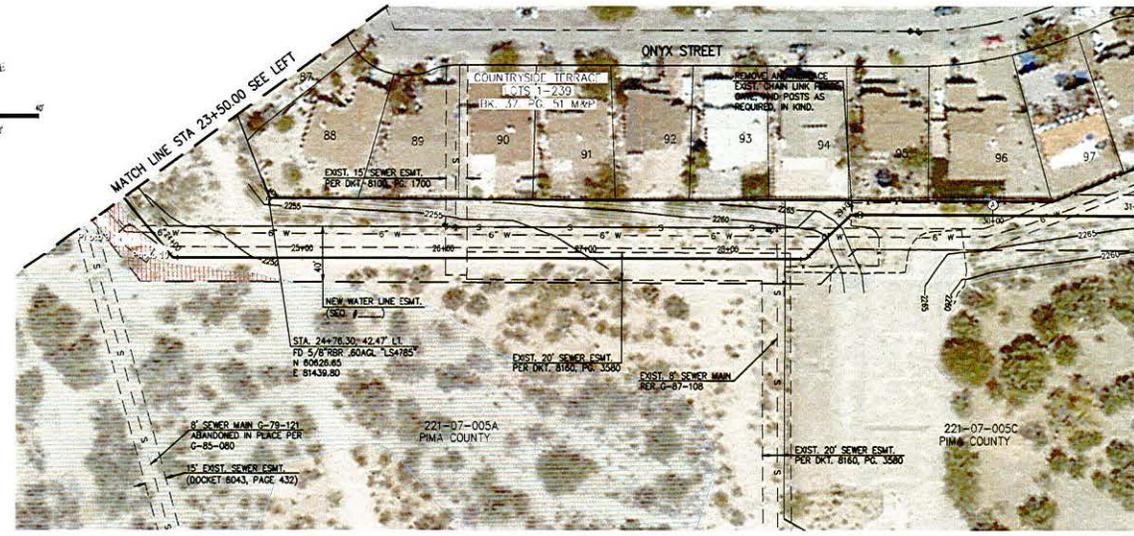


MATCH LINE STA 21+00.00 SEE BELOW LEFT



MATCH LINE STA 21+00.00 SEE ABOVE RIGHT

MATCH LINE STA 23+50.00 SEE RIGHT



MATCH LINE STA 31+00.00 SEE SHEET 2

- LEGEND**
- ◀●▶ PHOTO POINT AND DIRECTION
 - IRA IMPORTANT RIPARIAN AREA UNDERLYING XERORIPARIAN CLASS "C"
 - DISTURBED REGULATED RIPARIAN HABITAT

- NOTES**
1. See sheet 3 for Photographs.

ORO VALLEY WATER UTILITY
COUNTRYSIDE WELL CS-2 TO CS-1
12" WATER MAIN REPLACEMENT PLAN
RIPARIAN HABITAT MITIGATION PLANS
DELINEATION OF REGULATED RIPARIAN HABITAT AND IMPACTS

| DESIGNED BY | DRAWN BY | CHECKED BY | SHEET |
|-------------|-------------|------------|-----------|
| RWS | RCG | RWS | 2 |
| DATE | PROJECT NO. | SCALE | OF |
| 07/19/14 | 206.101 | | 3 |

WESTLAND RESOURCES DRAWING PATH: \\P01\proj\2014\206.101\Drawings\206.101-12\"/>

WestLand Resources, Inc.
 Engineering and Environmental Solutions
 1100 N. 10th Street, Suite 100
 Tempe, AZ 85281-3300 Phone: 480.833.7848

Professional Engineer
 License No. 11000
 State of Arizona
 1-800-782-5348
 www.westlandresources.com

| DATE | REVISION | NO. |
|------|----------|-----|
| | | |





Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10

NOTES

1. See sheet 2 for photo point locations and orientations.

WestLand Resources, Inc.
 Engineering and Environmental Consultants
 4400 S. Bascom Avenue, Suite 200
 San Jose, CA 95128

Professional Seal
 License No. 10000
 State of California
 Civil Engineer

| DATE | REVISION | NO. |
|------|----------|-----|
| | | |



ORO VALLEY WATER UTILITY
 COUNTRYSIDE WELL CS-2 TO CS-1
 12" WATER MAIN REPLACEMENT PLAN
 RIPARIAN HABITAT MITIGATION PLANS
 PHOTOS OF RIPARIAN HABITAT

| DESIGNED BY | DRAWN BY | CHECKED BY | SHEET |
|-------------|-------------|------------|-------|
| RWS | RCJ | RWS | 3 |
| DATE | PROJECT NO. | SCALE | OF |
| 03/16/14 | 206101 | | 3 |

WESTLAND RESOURCES DRAWING PATH
 H:\Projects\2014\14-0001\14-0001-001\Drawings\14-0001-001-001.dwg
 03/16/14 10:00 AM