

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP COMMITTEE
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number: 12-110

PROJECT INFORMATION

Project Title: West Pigeon Water Development Project

Region and Game Management Unit: Region I / GMU 27

Local Habitat Partnership Committee (LHPC):

- Safford HPC

Was the project presented to the LHPC?

YES[X] NO[]

Has this project been submitted in previous years? YES[X] NO[]

If Yes, was it funded? YES[] NO[X] → **HPC Project #:**

Project Type: Water Development – New

Brief Project Summary:

The purpose of this water system is primarily to provide perennial water to mule deer and a variety of other native wildlife (game as well as non-game species). The secondary use of this project will be to have better control of livestock distribution when these pastures are seasonally occupied by livestock. The drinkers will be filled year round by the permittee, AZGFD, or the USFS. This pipeline will carry water to support 2 storage tanks and 5 drinkers distributed throughout the Pigeon and HL Canyon pastures of the Pigeon allotment on the Clifton Ranger District.

Big Game Wildlife Species to Benefit: Mule Deer(40%), Whitetail Deer(35%), Turkey(10%), all other game and nongame species(15%).

Implementation Schedule (Month/Day/Year):

Project Start Date: October 2012

Project End Date: T.B.D.

Environmental Compliance:

NEPA Completed: YES[X] No[] N/A[]

Projected Completion Date: Per USFS Categorical Exclusion -
September 15, 2010

State Historic Preservation Office - Archaeological Clearance:

YES[X] No[] N/A[]

Projected Completion Date: Per USFS Categorical Exclusion -
September 15, 2010

Arizona Game and Fish Department EA Checklist: N/A[X]

To be Completed by: _____

Projected Completion Date: _____

PROJECT FUNDING

Special Big Game License Tag Funds Requested: \$ 101,638.00

Cost Share or Matching Funds: \$ 170,640.00 total to date

Total Project Costs: \$ 272,278.00

PARTICIPANT INFORMATION

Applicant (please print):

Steve Najar
Wildlife Manager II, Unit 27 South

Address:

2878 E. White Mountain Blvd.
Pinetop, AZ 85935

E-mail:

snajar@azgfd.gov

Telephone: 928-965-5066

Date: September 1, 2011

AGFD Contact and Phone No. (If applicant is not AGFD personnel):

Project has been coordinated with: AZGFD, USFWS, USFS Clifton Ranger District, Robert L. Fletcher/ T-Link Ranches

NEED STATEMENT – PROBLEM ANALYSIS:

This project was designed to augment/add to the Pigeon Restoration Project, which was a combination of mechanical thinning and a landscape scale prescribed burn. Monies for this project have come from AZGFD ACCESS dollars that were given back to the Department by T-Link Ranches, and LIPP dollars that were also used by the landowner for this project, along with additional private funding by T-Link Ranches (total match to date: \$160,640.00, which includes ACCESS, LIPP, Heritage/IIAPM and private monies). Domenic Barrett, USFWS, has committed to funding the drinker, and the necessary valves, fittings, etc... needed on the private land to begin the pipeline with USFWS project monies. This is pending a materials and final parts list from the landowner, up to the amount of \$5,000.00 which would bring the total match monies to date up to **\$165,640.00**. The desired outcome will be to provide yearlong dependable water sources to the west side of the Pigeon Allotment for mule deer, whitetail, turkeys, javelina, quail, and other game and nongame species.

This area has been highly dependent upon summer monsoon moisture and winter moisture contained in dirt tanks in the past. No dependable water sources have historically been available. T-Link Ranches has already done extensive repairs and maintenance of existing range improvements; such as improving fences and cleaning dirt tanks. The Pigeon Restoration Project achieved excellent results for wildlife habitat through the use of prescribed burning. Thus, the last remaining factor to greatly enhance wildlife values in this area is to provide a dependable water system.

The well on private land is complete, and the pump and a diesel generator are already in place. A private company has already donated two (2) storage tanks that will hold approximately 3,500 gallons each to the project. All that is left is to install the pipe and drinkers to finalize the implementation of this project.

PROJECT OBJECTIVES:

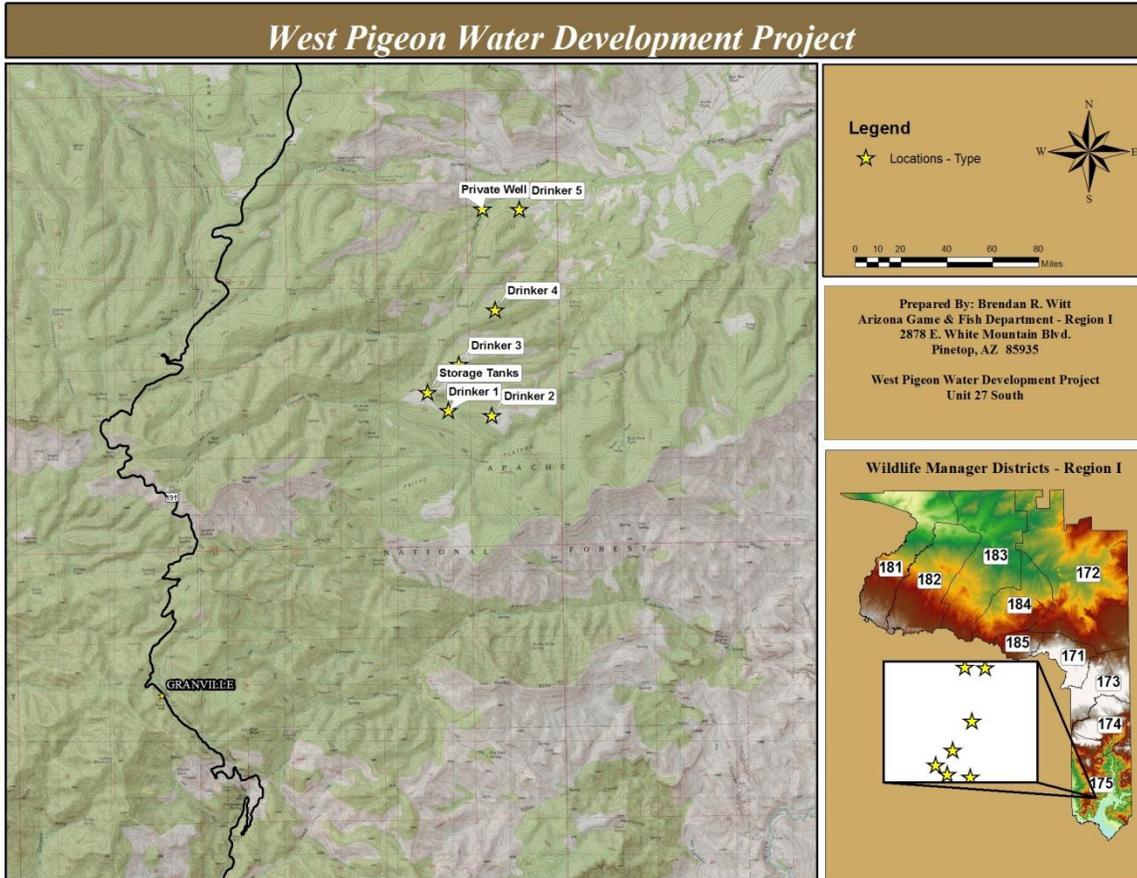
The purpose of this water system is primarily to provide perennial water to mule deer, whitetail deer, turkeys, and a variety of other native wildlife (game as well as non-game species). The secondary use of this project will be to have better control of livestock distribution when these pastures are seasonally occupied by livestock.

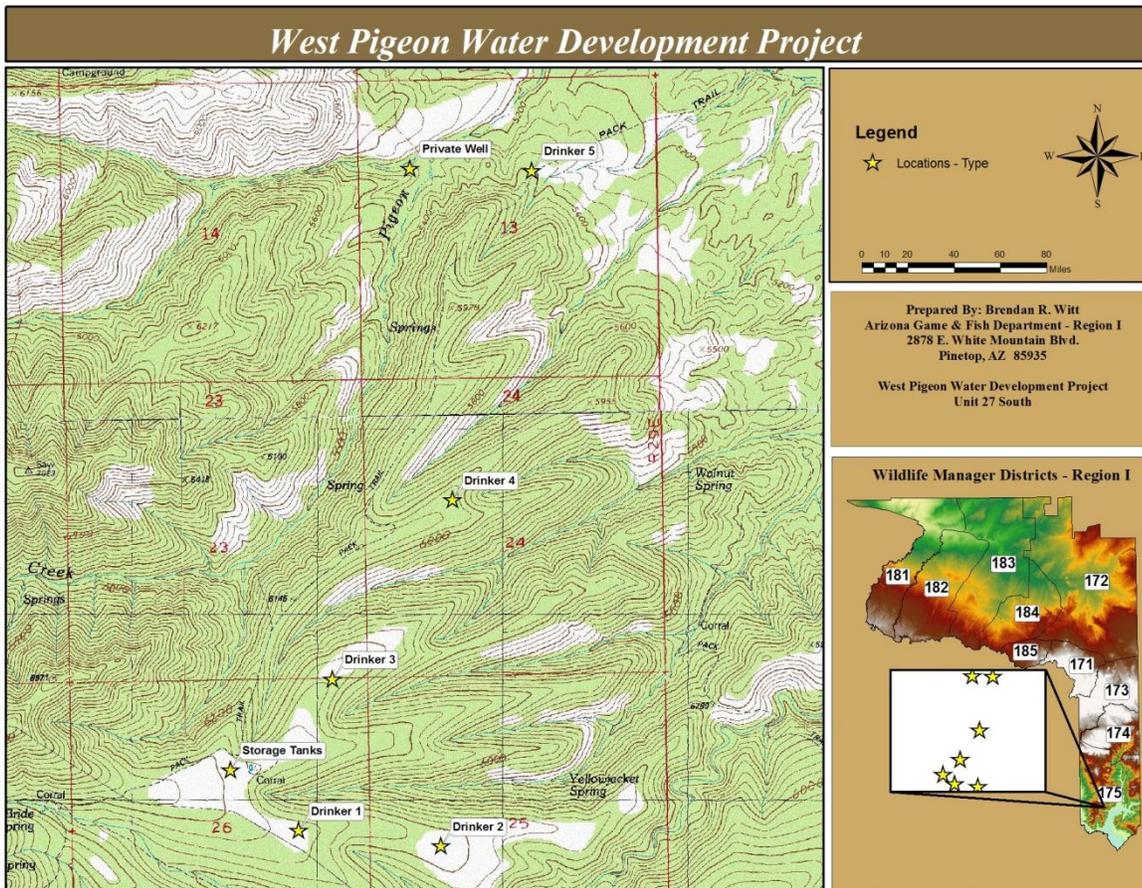
PROJECT DESCRIPTION AND STRATEGIES:

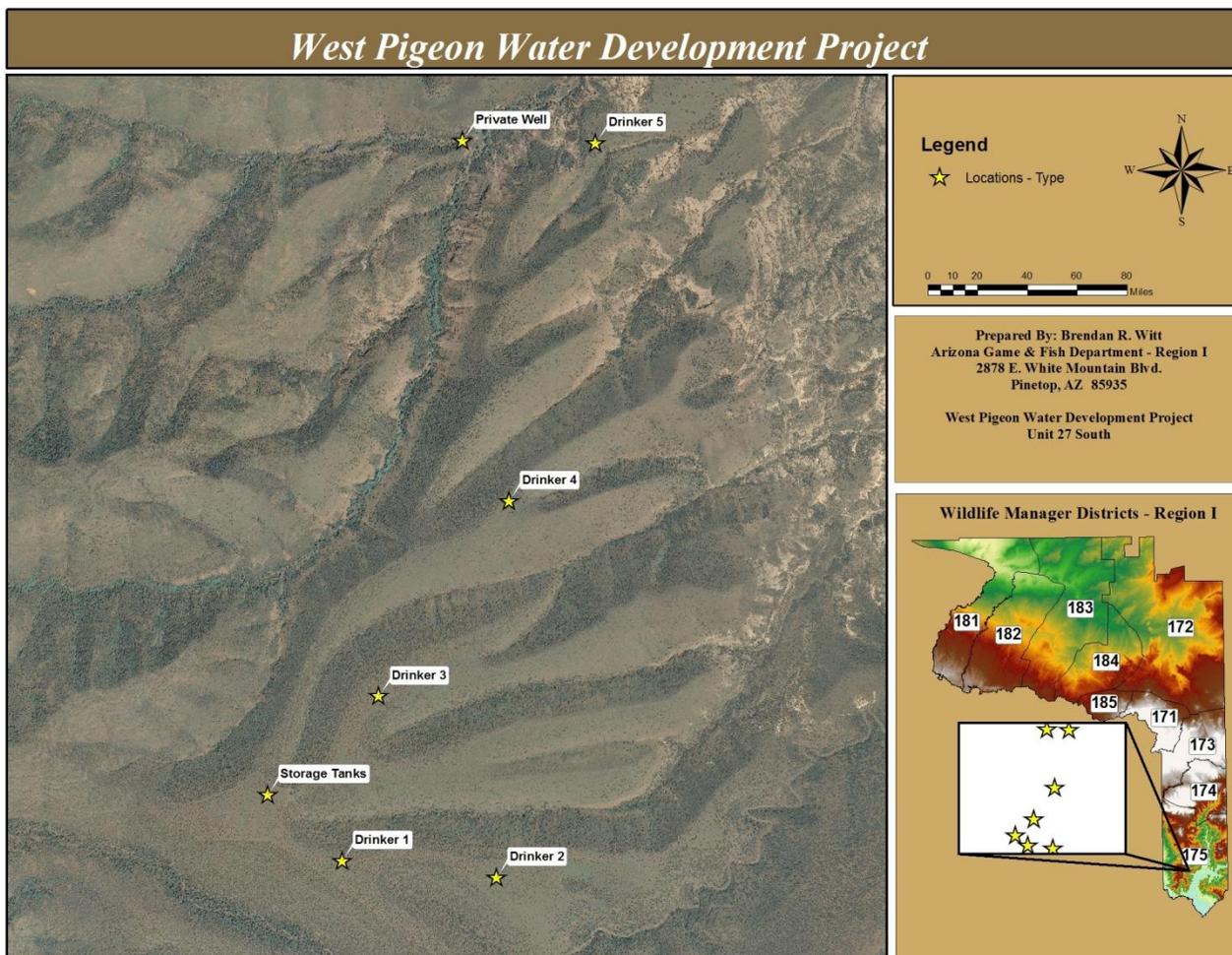
A well that is located on private land will provide water to approximately 6.5 miles of surface pipeline. This pipeline will carry water to support 2 storage tanks (**already donated to this project by a private company, approximately 3,500 gallons each valued @ \$40,000.00**) and 4 drinkers distributed throughout the Pigeon and HL Canyon pastures of the Pigeon allotment on the Clifton Ranger District. The pipeline would follow existing FS road #475C to a spot near Wing Tank where the storage tanks will be placed. The storage tanks will be flown to their location by helicopter, thus saving the expense of making the road into the location accessible to trailers. Improvements to the existing road just to enable placement of the two storage tanks would not be cost effective and would be outside the scope of this project. From the storage tanks the pipeline would then continue along the ridgelines with drinkers spaced approximately every ½ mile to 1 mile apart. The permittee will maintain water in all troughs year round and will be responsible for the maintenance of the system.

PROJECT LOCATION:

TOWNSHIP	RANGE	SECTION
2S	31E	4,9,16







LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):

USFS – Clifton Ranger District; T-Link Ranches – USFS Permittee

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

YES[X] NO[]

Permission has been granted by the permittee to access and use the well on private land whenever needed for wildlife purposes (attached).

HABITAT DESCRIPTION:

The project area is primarily Madrean pine-oak woodland, with some semi-arid desert grassland associated along the ridge tops. This area has the potential to carry large numbers of wildlife, and has responded well to the Pigeon Ecosystem Restoration Project prescribed burn. The limiting factor in this area at present time is reliable water sources.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

4 - Powder River steel livestock trough (10' x 30' wide x 24" deep) (Carter's Powder River Equipment, Camp Verde, AZ)	@ \$537.00 each = \$2,148.00
4- 3/4" bronze float valve assembly (Grainger's, Phoenix, AZ)	@ \$84.00 each = \$ 336.00
4- 1" brass ball valves (Grainger's, Phoenix, AZ)	@ \$30.00 each = \$ 120.00
5,280 ft/mile x 6.5 miles x \$1.95/ft DR5 4000psi pipe2" (Mt. Graham Supply, Safford, AZ)*	34,320 ft@ \$1.95/ft = \$66,924.00
Recommended pipe fusion kit @ \$300.00	= \$ 300.00
Miscellaneous pipe fittings/ plumbing parts/ supplies	\$ 2,500.00

*Pipe pricing based on the only estimate (callback) received prior to deadline for submission of project proposal. Previous prices ranged from \$0.86/ foot to \$1.95/ foot. Actual price should be within this range.

Total - pipeline and drinkers = \$72,328.00

Helicopter Time

Bell 407, Ferry @ \$950.00/ hour x 6 hours round trip	= \$5,700.00
Work @ \$1,500/ hour x 2 hours	= \$3,000.00
Total helicopter costs	= \$8,700.00

D-4 Dozer* (cost estimate from B.L.M.; AGFD Development Branch. Based on 10 rolls per day @ 500 feet per roll = 5,000 feet per day)

50 gallons (\$4.85/gallon) = \$242.50 fuel
2 men @ \$30.00/hour (8 hour day) = \$480.00
242.50 + 480.00 / mile [722.50/5280 = \$.137/ linear foot installation cost]
\$.42 / linear foot pipe 5280 feet (.42) = \$2217.60
.42 + .136 = \$.556 / linear foot actual cost

Total cost per mile = \$2,940.00 x 6.5 miles = \$19,110.00

*Estimate based on costs for d-4 Dozer to bury pipe. Costs expected to be similar due to ferry time/miles, terrain, and remote location.

Installation of drinkers: transport/leveling/assembly/adjustments approx = **\$1,500.00**

Total project costs expected to be approximately: = \$101,638.00

Cost Share or Matching Funds

Access/donated back to project by T-Link Ranches (\$44,000.00)

LIPP (51,545)

Heritage/ IIAPM (\$10,000)

Private money from T-Link Ranches (20,095.00)

Donation of the two storage tanks (\$40,000.00), *name withheld by request.*

Total \$165,640.00 match, has already been used by the Department and the landowner for this project.

Additional \$5,000.00 from USFWS will be used for drinker and piping on private land.

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Region I personnel, and AZGFD Development Branch, will provide logistical support in the construction and will continue to coordinate with the USFWS, USFS and the permittee. Construction photo points will be established and a completion report will be on file following construction.

NEPA and Arch surveys have already been completed by the US Forest Service – Clifton Ranger District.

Permission has been granted by the permittee to access and use the well on private land whenever needed for wildlife purposes (attached).

March 7, 2011

USDA - Forest Service
Clifton Arizona District
Arizona Fish and Game

This letter authorizes the Forest Service Clifton District ("FS") and the Arizona Fish and Game Department ("F&G"), at their expense, to pump and use water from the Fletcher WJ well located on private property, HES-488, located on the Pigeon Allotment, Forest Service Clifton District, Greelee County, Arizona. The well and the private property are owned by T-Link Ranches, Inc. ("T-Link").

This authorization run's concurrently with the ten year Forest Renewal permit issued to T-Link, and will terminate when the current Forest Renewal permit terminates. This authorization can only be renewed by mutual agreement of the FS, F&G and T-Link. This authorization does not transfer or give water rights to any party. T-Link retains all of its existing well and water rights.

This well may be used by FS and F&G only to pump water up to storage tanks at Wing Tank, with drinker lines running away from the tanks to supply water for livestock and wildlife.



Bob Fletcher
President, T-Link Ranches

Forest Service

Fish & Game Department

PROJECT MONITORING PLAN:

Construction photo points will be established and a completion report will be on file following construction.

PROJECT MAINTENANCE:

The permittee will maintain water in all troughs year round and will be responsible for the maintenance of the system.

PROJECT COMPLETION REPORT TO BE FILED BY:

Steve Najar - Wildlife Manager II, Unit 27 South
928-965-5066

WATER DEVELOPMENT PROJECTS (*see attached worksheet*):

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (*see attached worksheet*):

N/A

ARIZONA GAME AND FISH DEPARTMENT
WATER DEVELOPMENT WORKSHEET

PROJECT NAME: West Pigeon Water Development Project

1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**

No.

2) **Please list the Development Branch personnel and date coordinated with for this project.**
Planning assistance provided by Ed Jahrke, Joe Currie, Mark, Davis. August 2011

3) **What is the estimated annual inches of precipitation for the area? (mark one)**
2-4 4-6 6-8 8-10 10-12 12-14 14-16 >16

4) **Is there a perennial water source available to big game within four miles of this project?**

YES (please complete #5 below) NO (skip #5 below)

5) **For the accessible, perennial water source nearest this project:**

Name of water source: Turkey Creek

Type of water source (catchment, spring, dirt tank): Perennial stream

Ownership of water source: USFS

Distance in miles from project: 3.5 miles

6) **Is the target wildlife species a result of transplant efforts?** YES NO

7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**

Permission has been granted by the permittee (Robert L. Fletcher, T-Link Ranches) to access and use the well on private land whenever needed for wildlife purposes (attached).

8) **Please provide the following information about access to the proposed site:**

Type of access (mark one): 2x4 vehicles 4x4 only foot only**

**If foot access only: Distance in miles: _____ Approximate hiking time: _____

-- Does access to this site require crossing private or tribal lands? YES[X] NO[]

-- Please describe any restrictions to public access:

General public is not allowed on the private property. Permission has been granted to AGFD and USFS by the permittee to access use the well on private land whenever needed for wildlife purposes (attached).

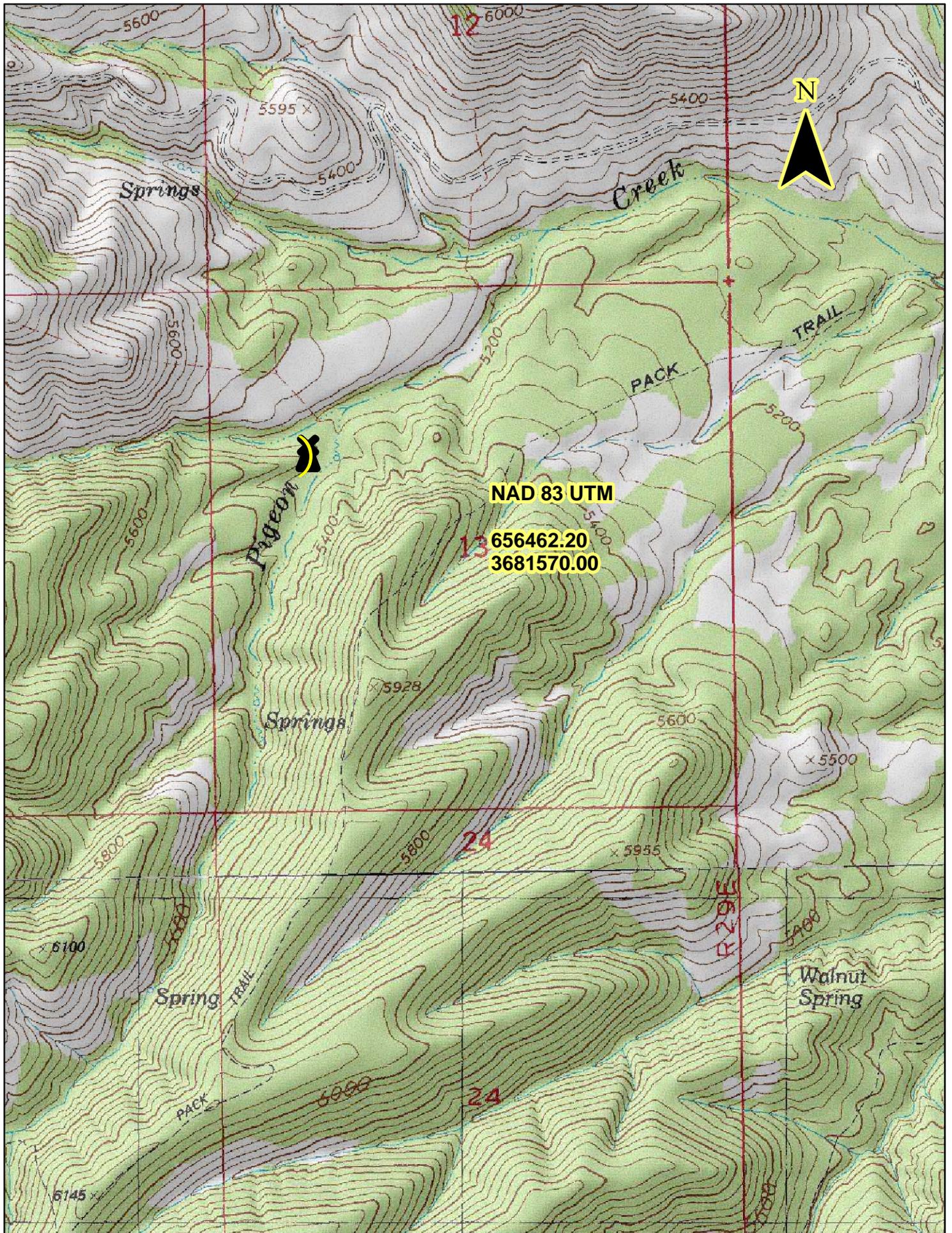
9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

5 - Powder River steel livestock trough (10' x 30' wide x 24" deep) (Carter's Powder River Equipment, Camp Verde, AZ)	@ \$537.00 each = \$2,685.00
5- 3/4" bronze float valve assembly (Grainger's, Phoenix, AZ)	@ \$84.00 each = \$ 420.00
5- 1" brass ball valves (Grainger's, Phoenix, AZ)	@ \$30.00 each = \$ 150.00
5,280 ft/mile x 6.5 miles x \$0.86/ft hdpe numex pipe2" (Peoria Winnelson, Peoria, AZ)	34,320 ft @ \$0.86/ft = \$29,515.20
Recommended pipe fusion kit @ \$300.00	= \$ 300.00
Miscellaneous pipe fittings/ plumbing parts/ supplies	\$ 2,500.00
Total - pipeline and drinkers	= \$35,570.00

10) Was a site visit completed? Yes[X] No[]

If Yes, please list personnel that attended and date.

Steve Najar, AZGFD and Donna Reed USFS, Clifton Ranger District; April 2010



Springs

Creek

N

TRAIL

PACK

NAD 83 UTM

13 656462.20
3681570.00

Pigeon

Springs

Walnut Spring

Spring TRAIL

PACK

R 29 E

12

24

24

5600

6000

5400

5595 X

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5600

5200

5200

5600

5400

X 5928

5600

X 5500

5800

5800

X 5955

6100

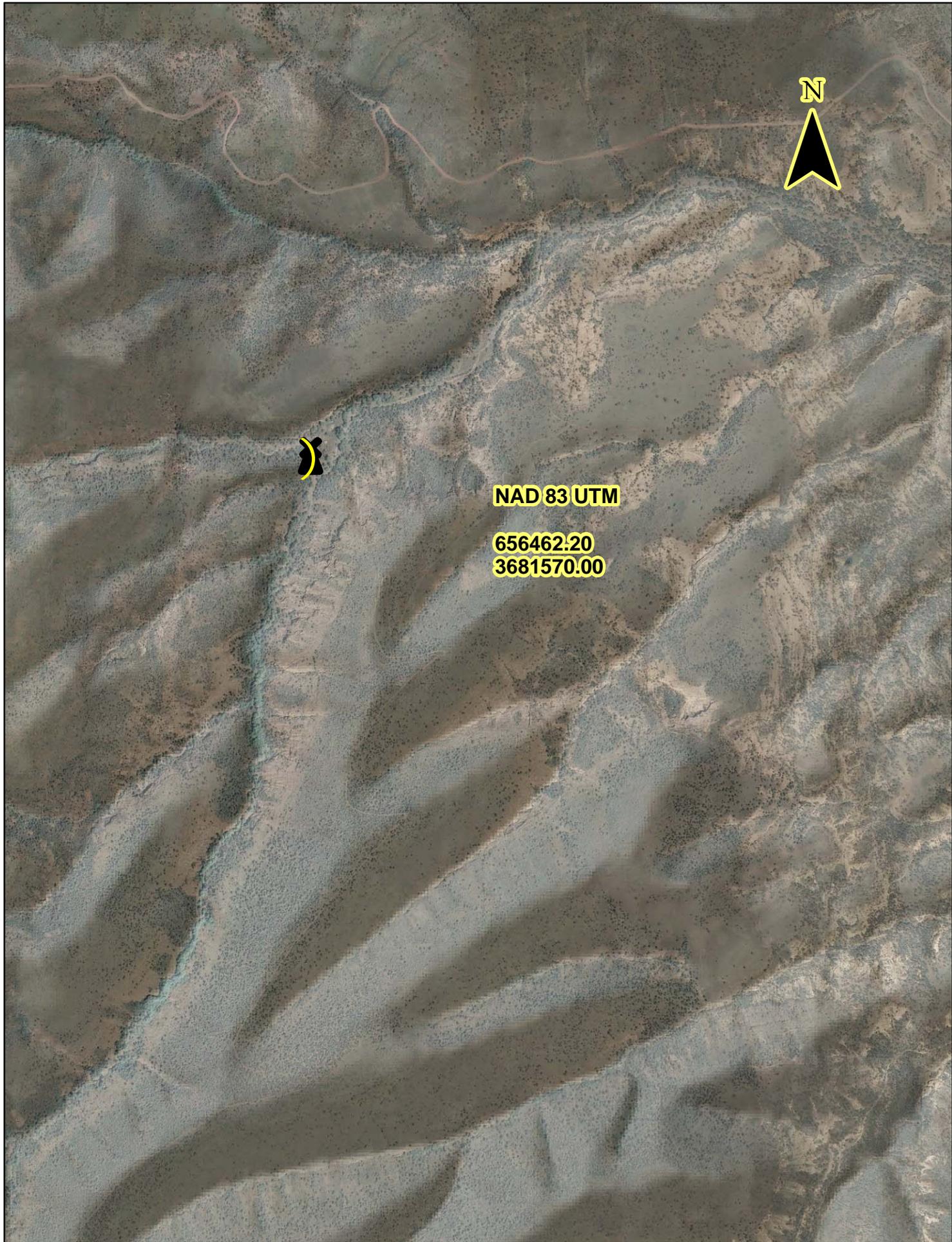
5600

5400

6000

6145 X

5200



N



NAD 83 UTM

656462.20
3681570.00

From: Steve Najar
Sent: Tuesday, September 04, 2012 12:39 PM
To: Reuben Teran
Subject: West Pigeon Water Project update

Reuben,

I just got off the phone with Bob Fletcher, the owner of T-Link Ranch where the West Pigeon Water Project is located. I expressed the questions regarding long-term access and maintenance issues regarding this project. He explained that the previous letter that he wrote was phrased according to what he thought the U.S. Forest Service was wanting, and required.

He agrees with providing access to the private property, use of the well, and use of the pump and generator to representatives of the AZ. Game and Fish Department and the USDA Forest Service for purposes of using and maintaining this water system in perpetuity. He will also work on what would be a fair sharing of maintenance responsibilities associated with keeping the system functional. He told me that he will have his attorney draft a legal agreement or letter to this effect and make it part of the legal property title to the T-Link Ranch. He and/or his attorney will get this done as soon as possible, and provide AGFD and USFS a copy as soon as possible.

He also gave me permission to use this verbal promise in the meantime to help allay any doubts or questions regarding this issue from all interested parties.

I apologize to you and to the NGO's for not buttoning this up air-tight to begin with, as this was mine and Mr. Fletcher's intent from the very beginning. Please attach this e-mail to the package for now, and I will get the legal agreement to you as soon as I receive it.

Steve Najar
Wildlife Manager II, Unit 27 South
2878 E. White Mountain Blvd.
Pinetop, AZ 85935
Office: 928-965-5066
snajar@azgfd.gov

"No man ever steps into the same river twice, for it is never the same river, nor is he the same man." --
Heraclitus

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<http://www.azgfd.gov/eservices/subscribe.shtml>

DRAFT

**LANDOWNER INCENTIVE PROGRAM
COOPERATIVE STEWARDSHIP AGREEMENT
FOR HABITAT IMPROVEMENT**

This COOPERATIVE STEWARDSHIP AGREEMENT (agreement) is entered into this _____th day of _____, 201__ between T-Link Ranches, Inc., a Nevada corporation (Landowner) and the State of Arizona through the Arizona Game and Fish Commission (Commission) and its administrative agency the Arizona Game and Fish Department (Department), for the purpose of improving wildlife habitat on lands owned by Landowner as illustrated on Exhibit A attached hereto. A.R.S. § 17-231.B.7 authorizes the Arizona Game and Fish Commission to enter into this Agreement through its administrative agency, the Arizona Game and Fish Department.

WHEREAS said subject property and its associated federal grazing allotment provides mutual benefit to wildlife, and it is the mutual desire of the Department and the Landowner to cooperate for the common benefit of wildlife and the public interests of the people of Arizona, and

WHEREAS the parties agree that the goods or services provided by the Department will be used by the Landowner for a public purpose as described herein, and that the benefit derived to the public as the result of such goods or services will equal or exceed the value of the goods or services,

WHEREAS said subject property and its associated federal grazing allotment currently provides or has the potential to provide wildlife habitat for the following species included on the Landowner Incentive Program Eligible Species List dated July 1, 2003 including: Mule Deer, Whitetail Deer and Turkey.

NOW THEREFORE, in consideration of the mutual promises and other goods and valuable consideration contained herein, the Department and the Landowner agree to implement the following described Habitat Improvement Project on the subject property:

Legal description: see Attachment A.

Physical description: 58.62 acres of fee land within Apache Sitgreaves National Forest, Clifton Ranger District associated with USFS -Pigeon Grazing Allotment.

A. The Arizona Game and Fish Department agrees:

1. To provide technical assistance to the Landowner to achieve the Habitat Improvement Project as described on the Project Description (Attachment B – Habitat Enhancement and Wildlife Management Proposal) including a Worksheet and Budget.
2. To provide funding to the Landowner or contractors not to exceed \$101,638.00 for the purchase of materials and installation labor for the habitat improvements described on the Project Description and Budget attached hereto. All labor using heavy equipment is included in the aforementioned price.
3. To provide payment to the Landowner or contractors for materials and labor to complete the desired habitat improvements summarized on the Project Description and Budget attached hereto. The Department will provide payment(s) for work completed, and a final payment in full after completion of the project and a satisfactory review and final assessment of the completed project's effectiveness. All payments to the Landowner or contractor will require an itemized invoice.
4. To provide advance notice to the Landowner when entry upon the subject property to visit the project site is required in performance of duties pursuant to this agreement, to set mutually agreeable visitation times with the Landowner, and will invite the Landowner to participate in all activities pursuant to this contract.
5. To monitor the effectiveness of the Habitat Improvement Project during the twenty (20) year term of this agreement to ensure expected benefits to wildlife and to assume maintenance responsibility for the improvements in the event Landowner is not conducting livestock grazing operations on the subject property and associated federal grazing allotment.

B. The Landowner agrees:

1. To provide \$20,095.00 cash or in-kind match required to complete the Habitat Improvement Project described on the Project Description and Budget attached hereto and Department acknowledges the prior receipt of said Landowner funding.
2. To authorize the Department and/or its representative(s) to enter upon the subject property to visit the project site in performance of duties pursuant to this agreement.
3. To monitor and maintain the improvements provided pursuant to this agreement for a period of twenty (20) years so long as Landowner is conducting livestock grazing operations on the subject property and associated federal grazing allotment.
4. To transfer the terms and conditions of this agreement with the property should the property rights to the subject property be transferred to another party during the term of this agreement, unless terminated under conditions specified in paragraph C. 10.

C. The Department and Landowner mutually agree:

1. To cooperate with each other and with any land management agency that may be affected by this Habitat Improvement Project, to ensure that all participants successfully and satisfactorily fulfill their commitments as set forth in this agreement.
2. This agreement shall not be in effect until signed by both parties hereto and unless otherwise terminated as provided herein, will extend for a period of twenty (20) years from the date of signatures below.
3. That unless otherwise provided herein, the improvements provided pursuant to this agreement will remain in place and functional for a period of twenty (20) years to realize the desired habitat improvement benefits.
4. That the habitat improvements (including the well, pump, generator and any associated water rights related thereto) placed on Landowner's property by the Department pursuant to the Project Description and Budget attached hereto shall become the property of Landowner at the satisfactory completion of the term of this agreement, unless terminated under conditions specified in paragraph C. 10.
5. That nothing in this agreement shall be construed as obligating the Department in any contract or other obligation for the future payment of money in excess of appropriations authorized by law.
6. Pursuant to A.R.S. § 35-214 and § 35-215, and Section 41-1279.04 as amended, all books, accounts, reports, files, and other records relating to the contract shall be subject at all reasonable times to inspection and audit by the State of Arizona for five (5) years after contract completion. Such records shall be reproduced as designated by the State of Arizona.
7. All work done pursuant to this agreement must be in compliance with all applicable state and federal laws and regulations.
8. All parties are hereby put on notice that this agreement is subject to Executive Orders 99-4 and 75-11, entitled "Prohibition of discrimination in State Contracts – Nondiscrimination in Employment by Government Contractors and Subcontractors". Said non-discrimination orders, by reference, are made a part of this agreement.
9. To the extent required pursuant to A.R.S. § 12-1518, and any successor statutes, the parties agree to use arbitration after exhausting all administrative remedies, to resolve any dispute arising out of this agreement, where not in conflict with Federal law.
10. Either party may terminate the Agreement by providing thirty (30) days written notice to either party.
11. Should this agreement be terminated by the Landowner prior to the term

expiration, the Department shall be reimbursed by the Landowner for the project costs and expenses incurred on a prorated basis for the remaining term of this agreement.

12. Should this agreement be terminated by the Department prior to the term expiration, all work completed to the date of termination notice (specified in paragraph C. 10), and pursuant to this agreement, Project Description and Budget attached hereto shall be reimbursed in full to the landowner or contractor.
13. All parties are hereby put on notice that this agreement is subject to cancellation pursuant to A.R.S. § 38-511.
14. This agreement and the Project Description and Budget attached hereto may be modified or extended through mutual agreement of the Landowner and the Department. Any modification made to this agreement shall be confirmed in writing prior to performance of the change.

IN WITNESS WHEREOF, each person signing this agreement warrants that he/she has the capacity, full power, and authority to execute this agreement and consummate the transactions contemplated hereby on behalf of the parties herein.

APPROVED:

Landowner

Bob Fletcher, President
T-Link Ranches, Inc.

Date

APPROVED:

STATE OF ARIZONA through
Arizona Game and Fish Commission

Secretary to the Commission and
Director, Arizona Game and Fish Department

Date

Attachment A

H.E. SURVEY NO. 448, embracing a portion of approximately Section 13, Township 2 South, Range 29 East of the Gila and Salt River Base and Meridian, Greenlee County, Arizona, more particularly described as follows: BEGINNING at Corner No. 1, from which the quarter corner to Section 7 and 12 in Township 2 South of Range 29 and 30 East, bears North 4 degrees 46 minutes 54 seconds East 68.62 chains;

Thence North 45 degrees 35 minutes West 12.5 chains to Corner No. 2;

Thence South 46 degrees 12 minutes West 46.65 chains to Corner No. 3;

Thence South 47 degrees 18 minutes East 12.86 chains to Corner No. 4;

Thence North 45 degrees 50 minutes East 46.25 chains to Corner No. 1, the place of beginning.

Attachment B

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP COMMITTEE
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number:	
Possible Funding Partners:	

PROJECT INFORMATION

Project Title: West Pigeon Water Development Project

Region and Game Management Unit: Region I / GMU 27

Local Habitat Partnership Committee (LHPC):

- Safford HPC

Was the project presented to the LHPC?

YES[X] NO[]

Has this project been submitted in previous years? YES[] NO[X]

If Yes, was it funded? YES[] NO[] → HPC Project #:

Project Type: Water Development – New

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Project Start Date: October 2012

Project End Date: T.B.D.

Environmental Compliance:

NEPA Completed: YES[X] No[] N/A[]

Projected Completion Date: Per USFS Categorical Exclusion -
September 15, 2010

State Historic Preservation Office - Archaeological Clearance:

YES[X] No[] N/A[]

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To be Completed by: _____

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\$ 101,638.00

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PARTICIPANT INFORMATION

Applicant (please print):

Steve Najar

Wildlife Manager II, Unit 27 South

Address:

2878 E. White Mountain Blvd.

Pinetop, AZ 85935

E-mail:

snajar@azgfd.gov

Telephone: 928-965-5066		Date: September 1, 2011
AGFD Contact and Phone No. (If applicant is not AGFD personnel):		
Project has been coordinated with: AZGFD, USFWS, USFS Clifton Ranger District, Robert L. Fletcher/ T-Link Ranches		

NEED STATEMENT – PROBLEM ANALYSIS:

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PROJECT OBJECTIVES:

The purpose of this water system is primarily to provide perennial water to mule deer, whitetail deer, turkeys, and a variety of other native wildlife (game as well as non-game species). The secondary use of this project will be to have better control of livestock distribution when these pastures are seasonally occupied by livestock.

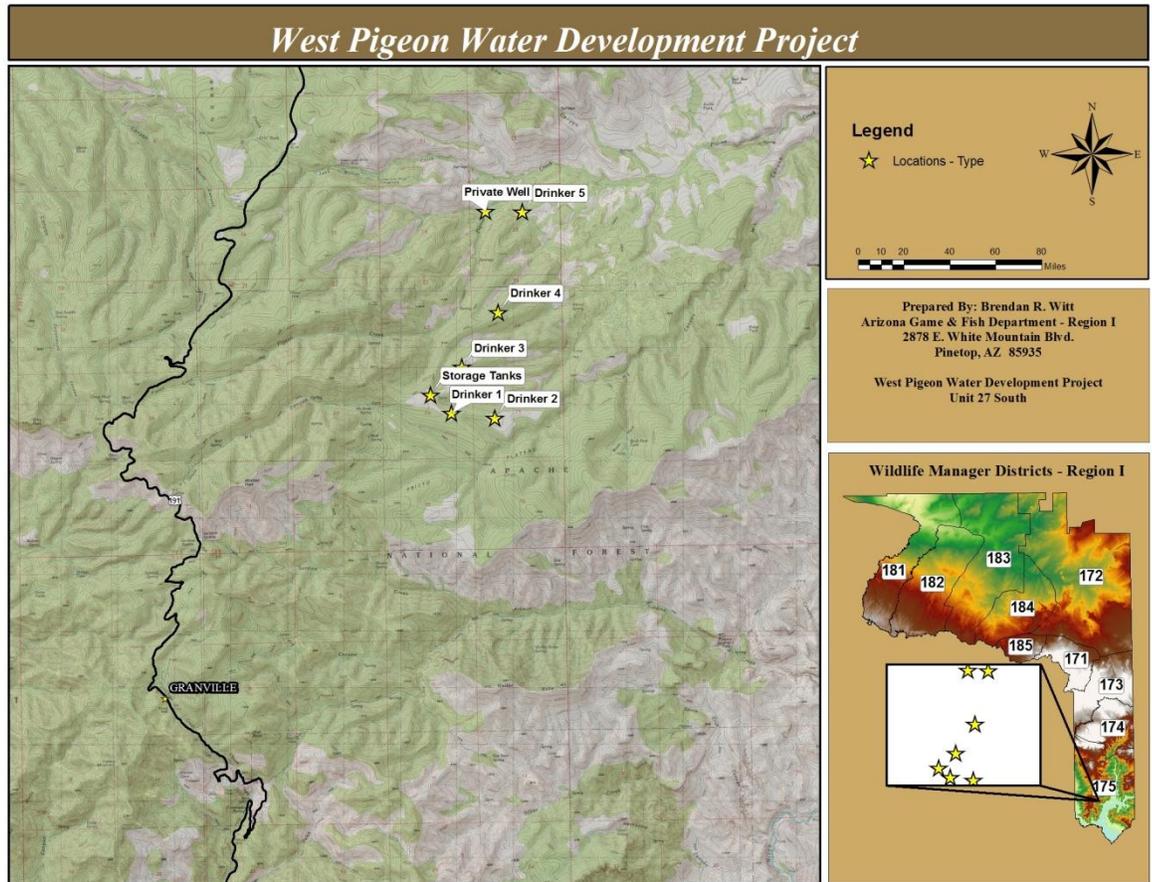
PROJECT DESCRIPTION AND STRATEGIES:

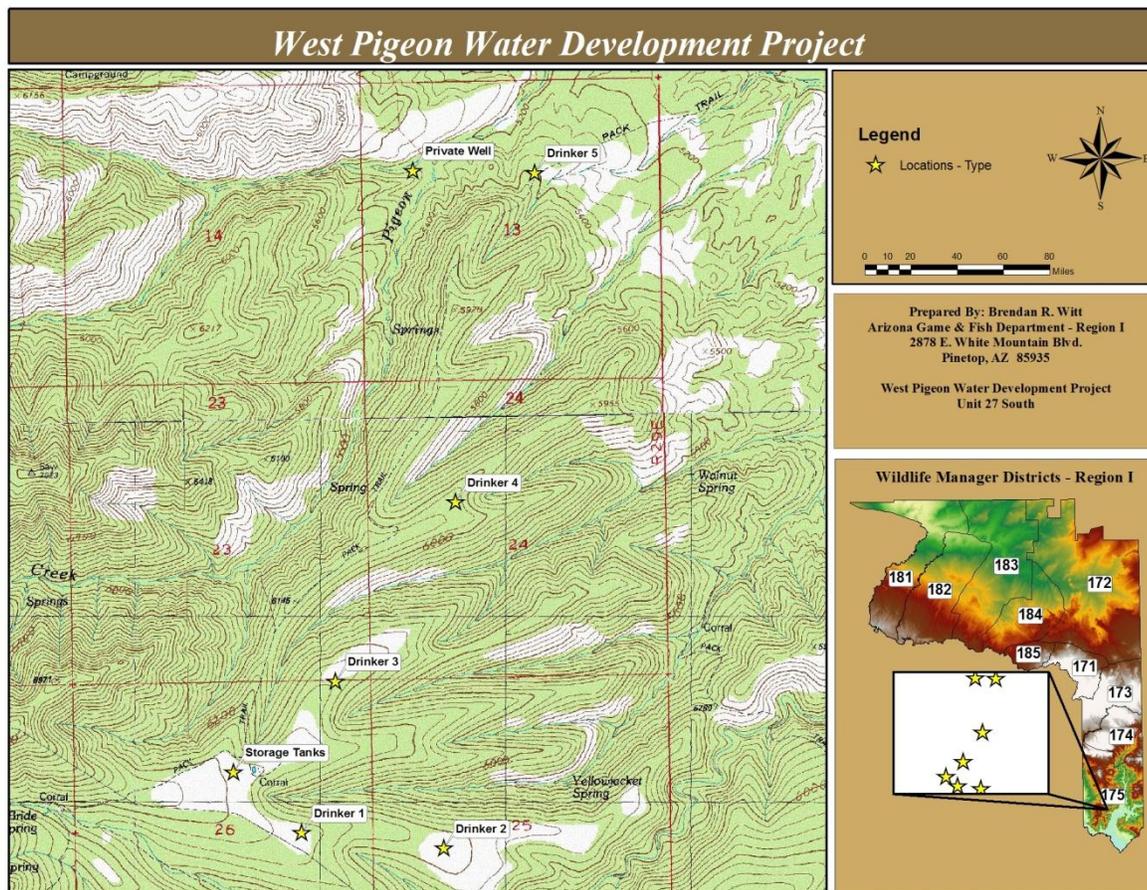
A well that is located on private land will provide water to approximately 6.5 miles of surface pipeline. This pipeline will carry water to support 2 storage tanks (**already donated to this project by a private company, approximately 3,500 gallons each valued @ \$40,000.00**) and 4 drinkers distributed throughout the Pigeon and HL Canyon pastures of the Pigeon allotment on the Clifton Ranger District. The pipeline would follow existing FS road #475C to a spot near Wing Tank where the storage tanks will be placed. The storage tanks will be flown to their location by helicopter, thus saving the expense of making the road into the location accessible to trailers. Improvements to the existing road just to enable placement of the two storage tanks would not be cost effective and would

be outside the scope of this project. From the storage tanks the pipeline would then continue along the ridgelines with drinkers spaced approximately every ½ mile to 1 mile apart. The permittee will maintain water in all troughs year round and will be responsible for the maintenance of the system.

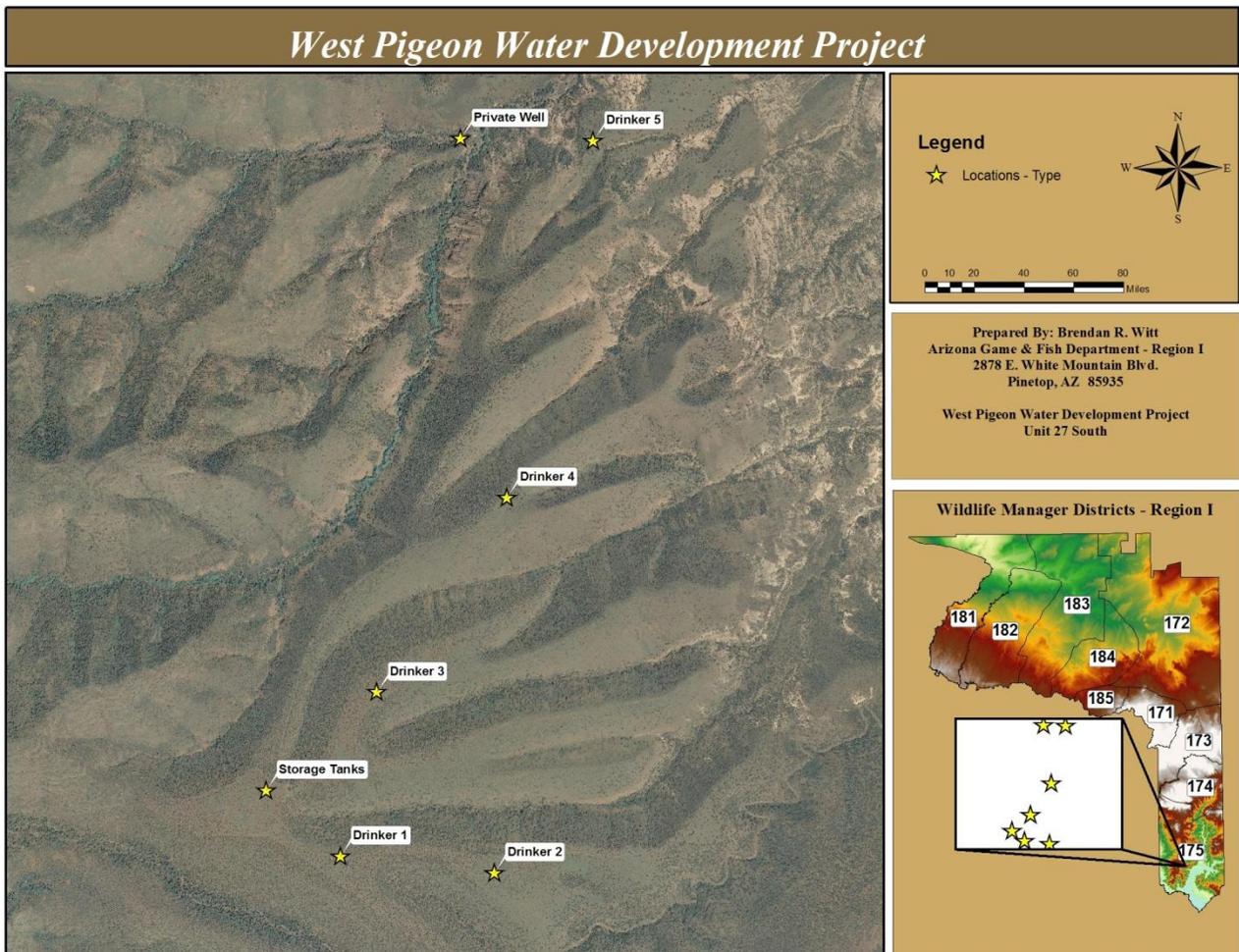
PROJECT LOCATION:

TOWNSHIP	RANGE	SECTION
2S	31E	4,9,16





DRAFT



LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):

USFS – Clifton Ranger District; T-Link Ranches – USFS Permittee

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?
YES[X] NO[]

Permission has been granted by the permittee to access and use the well on private land whenever needed for wildlife purposes (attached).

HABITAT DESCRIPTION:

The project area is primarily Madrean pine-oak woodland, with some semi-arid desert grassland associated along the ridge tops. This area has the potential to carry large numbers of wildlife, and has responded well to the Pigeon Ecosystem Restoration Project prescribed burn. The limiting factor in this area at present time is reliable water sources.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

4 - Powder River steel livestock trough (10' x 30' wide x 24" deep) (Carter's Powder River Equipment, Camp Verde, AZ)	@ \$537.00 each = \$2,148.00
4- ¾" bronze float valve assembly (Grainger's, Phoenix, AZ)	@ \$84.00 each = \$ 336.00
4- 1" brass ball valves (Grainger's, Phoenix, AZ)	@ \$30.00 each = \$ 120.00
5,280 ft/mile x 6.5 miles x \$1.95/ft DR5 4000psi pipe2" (Mt. Graham Supply, Safford, AZ)*	34,320 ft@ \$1.95/ft = \$66,924.00
Recommended pipe fusion kit @ \$300.00	= \$ 300.00
Miscellaneous pipe fittings/ plumbing parts/ supplies	\$ 2,500.00

*Pipe pricing based on the only estimate (callback) received prior to deadline for submission of project proposal. Previous prices ranged from \$0.86/ foot to \$1.95/ foot. Actual price should be within this range.

Total - pipeline and drinkers = \$72,328.00

Helicopter Time

Bell 407, Ferry @ \$950.00/ hour x 6 hours round trip	= \$5,700.00
Work @ \$1,500/ hour x 2 hours	= \$3,000.00
Total helicopter costs	= \$8,700.00

D-4 Dozer* (cost estimate from B.L.M.; AGFD Development Branch. Based on 10 rolls per day @ 500 feet per roll = 5,000 feet per day)

50 gallons (\$4.85/gallon) = \$242.50 fuel
2 men @ \$30.00/hour (8 hour day) = \$480.00
242.50 + 480.00 / mile [722.50/5280 = \$.137/ linear foot installation cost]
\$.42 / linear foot pipe 5280 feet (.42) = \$2217.60
.42 + .136 = \$.556 / linear foot actual cost

Total cost per mile = \$2,940.00 x 6.5 miles = \$19,110.00

*Estimate based on costs for d-4 Dozer to bury pipe. Costs expected to be similar due to ferry time/miles, terrain, and remote location.

Installation of drinkers: transport/leveling/assembly/adjustments approx = **\$1,500.00**

Total project costs expected to be approximately: = \$101,638.00

Cost Share or Matching Funds

Access/donated back to project by T-Link Ranches (\$44,000.00)
LIPP (51,545)
Heritage/ IIAPM (\$10,000)
Private money from T-Link Ranches (20,095.00)
Donation of the two storage tanks (\$40,000.00), *name withheld by request.*

Total \$165,640.000 match, has already been used by the Department and the landowner for this project.

Additional \$5,000.00 from USFWS will be used for drinker and piping on private land.

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Region I personnel, and AZGFD Development Branch, will provide logistical support in the construction and will continue to coordinate with the USFWS, USFS and the permittee. Construction photo points will be established and a completion report will be on file following construction.

NEPA and Arch surveys have already been completed by the US Forest Service – Clifton Ranger District.

Permission has been granted by the permittee to access and use the well on private land whenever needed for wildlife purposes (attached).

March 7, 2011

USDA - Forest Service
Clifton Arizona District
Arizona Fish and Game

This letter authorizes the Forest Service Clifton District ("FS") and the Arizona Fish and Game Department ("F&G"), at their expense, to pump and use water from the Fletcher WJ well located on private property, HES-488, located on the Pigeon Allotment, Forest Service Clifton District, Greelee County, Arizona. The well and the private property are owned by T-Link Ranches, Inc. ("T-Link").

This authorization run's concurrently with the ten year Forest Renewal permit issued to T-Link, and will terminate when the current Forest Renewal permit terminates. This authorization can only be renewed by mutual agreement of the FS, F&G and T-Link. This authorization does not transfer or give water rights to any party. T-Link retains all of its existing well and water rights.

This well may be used by FS and F&G only to pump water up to storage tanks at Wing Tank, with drinker lines running away from the tanks to supply water for livestock and wildlife.



Bob Fletcher
President, T-Link Ranches

Forest Service

Fish & Game Department

PROJECT MONITORING PLAN:

Construction photo points will be established and a completion report will be on file following construction.

PROJECT MAINTENANCE:

The permittee will maintain water in all troughs year round and will be responsible for the maintenance of the system.

PROJECT COMPLETION REPORT TO BE FILED BY:

Steve Najar - Wildlife Manager II, Unit 27 South
928-965-5066

WATER DEVELOPMENT PROJECTS (*see attached worksheet*):

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (*see attached worksheet*):

N/A

**ARIZONA GAME AND FISH DEPARTMENT
WATER DEVELOPMENT WORKSHEET**

PROJECT NAME: West Pigeon Water Development Project

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**
No.

- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Planning assistance provided by Ed Jahrke, Joe Currie, Mark, Davis. August 2011

- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**
2-4 4-6 6-8 8-10 10-12 12-14 14-16 >16

- 4) **Is there a perennial water source available to big game within four miles of this project?**

YES (please complete #5 below) NO (skip #5 below)

- 5) **For the accessible, perennial water source nearest this project:**
Name of water source: Turkey Creek
Type of water source (catchment, spring, dirt tank): Perennial stream
Ownership of water source: USFS
Distance in miles from project: 3.5 miles

- 6) **Is the target wildlife species a result of transplant efforts? YES NO**

- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**

Permission has been granted by the permittee (Robert L. Fletcher, T-Link Ranches) to access and use the well on private land whenever needed for wildlife purposes (attached).

- 8) **Please provide the following information about access to the proposed site:**
Type of access (mark one): 2x4 vehicles 4x4 only foot**
**If foot access only: Distance in miles: _____ Approximate hiking time: _____

-- Does access to this site require crossing private or tribal lands? YES[X] NO[]

-- Please describe any restrictions to public access:

General public is not allowed on the private property. Permission has been granted to AGFD and USFS by the permittee to access use the well on private land whenever needed for wildlife purposes (attached).

9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

5 - Powder River steel livestock trough (10' x 30' wide x 24" deep) (Carter's Powder River Equipment, Camp Verde, AZ)	@ \$537.00 each = \$2,685.00
5- 3/4" bronze float valve assembly (Grainger's, Phoenix, AZ)	@ \$84.00 each = \$ 420.00
5- 1" brass ball valves (Grainger's, Phoenix, AZ)	@ \$30.00 each = \$ 150.00
5,280 ft/mile x 6.5 miles x \$0.86/ft hdpe numex pipe2" (Peoria Winnelson, Peoria, AZ)	34,320 ft@ \$0.86/ft = \$29,515.20
Recommended pipe fusion kit @ \$300.00	= \$ 300.00
Miscellaneous pipe fittings/ plumbing parts/ supplies	\$ 2,500.00
Total - pipeline and drinkers	= \$35,570.00

10) Was a site visit completed? Yes[X] No[]

If Yes, please list personnel that attended and date.

Steve Najar, AZGFD and Donna Reed USFS, Clifton Ranger District; April 2010