

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

Game Branch / HPC Project Number:	11-603
Possible Funding Partners:	

PROJECT INFORMATION

Project Title: White Tanks West catchment 679 – White Tanks # 1 Redevelopment

Region and Game Management Unit: GMU 42

Local Habitat Partnership Committee (LHPC):

•

Was the project presented to the LHPC?

YES NO

Has this project been submitted in previous years? YES NO

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

Project Type: Catchment re-development

Brief Project Summary: Current catchment has a leak and is under emergency management with a temporary tank. And no ability to catch and store rainwater. Would like to re-develop catchment to increase storage capacity (from 5500 gallons to 10,000 gallons), re-engineer apron to accommodate the increase capacity and eliminate float valve system with a walk in drinker.

Big Game Wildlife Species to Benefit: Mule Deer, Javelina and various small game and non-game

Implementation Schedule (Month/Day/Year):

Project Start Date: November 1 2012

Project End Date: February 10 2013

Environmental Compliance: State Land Permit is

NEPA Completed: YES No N/A Being processed,
Projected Completion Date: November 2011

State Historic Preservation Office - Archaeological Clearance:

YES No N/A

Projected Completion Date: _____

Arizona Game and Fish Department EA Checklist: N/A

To be Completed by: Joseph Currie

Projected Completion Date: March 2012

PROJECT FUNDING

Special Big Game License Tag Funds Requested: \$ 36,034

Cost Share or Matching Funds: \$ 20,000

Total Project Costs: \$ 56,034

PARTICIPANT INFORMATION

Applicant (please print):
Mark Stewart

Address: 25437 West Illini Street
Buckeye, Arizona 85326

E-mail: mstewart@azgfd.gov

Telephone: 480 639-9467

Date: 8-22-2011

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

Project has been coordinated with:

Ed Jahrke and Joseph Currie

NEED STATEMENT – PROBLEM ANALYSIS:

Catchment 679 was built in the mid 1960's with a capacity of approximately 5500 gallons. A leak was discovered in the storage tank that drained the system in late May 2011. Development staff was able to quickly place a temporary 2150 gallon storage tank at the site and hook it up to the existing trough to provide an emergency source of water. This emergency system will remain in place until re-development occurs. Even before the emergency repairs, this catchment had been hauled to every year, sometimes several times per year, to keep up with water demand. This system would benefit from a complete re-development that would increase the capacity and thus minimize and perhaps eliminate hauling needs and also eliminate the float valve system (a point of possible failure) by installing a wildlife friendly walk in trough.

PROJECT OBJECTIVES:

- 1) Increase storage capacity of the system from 5500 to 11,500 gallons reduce or possibly eliminate hauling needs
- 2) Remove float valve to eliminate it as a possible point of failure

– Over all, make this catchment more self sufficient and reliable.

PROJECT DESCRIPTION AND STRATEGIES:

Remove the old storage tank and float valve drinker.

Install 2 new larger Fiberglass Ring Tanks with a camouflage shade structure/apron on top.

Install a new 3' walk in trough.

Install new apron re-engineered to match capacity of the new storage tank.

Install A 150' X 150' wildlife friendly Piperail Fence

PROJECT LOCATION:

West side of White Tank Mountains GMU 42.

Waypoint location 12S 352000.01 E by 3712828.71 N - SEE ATTACHED MAPS

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

State Land Department

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

YES[] NO[]

HABITAT DESCRIPTION:

Lower Sonoran Desert

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

2 - 18' dia. X 3' deep Fiberglass Tanks (10,010.00 ea)	\$20,020.00
1 - 24' x 96' Precipitation collection apron	\$ 7,580.00
1 - 3'd X 4' w wildlife friendly trough	\$ 3,294.00
1 - 150' X 150' Pipe rail livestock exclosure fence	\$ 3,390.00
Plumbing (pipes, connections etc.)	\$ 1,000.00
Misc (concrete, etc.)	\$ 750.00

Cost Share or Matching Funds

SSDV will provide crew labor as match	\$20,000
---------------------------------------	----------

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Deer Association

PROJECT MONITORING PLAN:

Supervision by Ed Jahrke and Joseph Currie

PROJECT MAINTENANCE:

Checked by wildlife manager and water hauled and repairs made by Development Branch on an as needed basis.

PROJECT COMPLETION REPORT TO BE FILED BY:

Mark D. Stewart – Wildlife Manager Buckeye

WATER DEVELOPMENT PROJECTS (*see attached worksheet*):

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

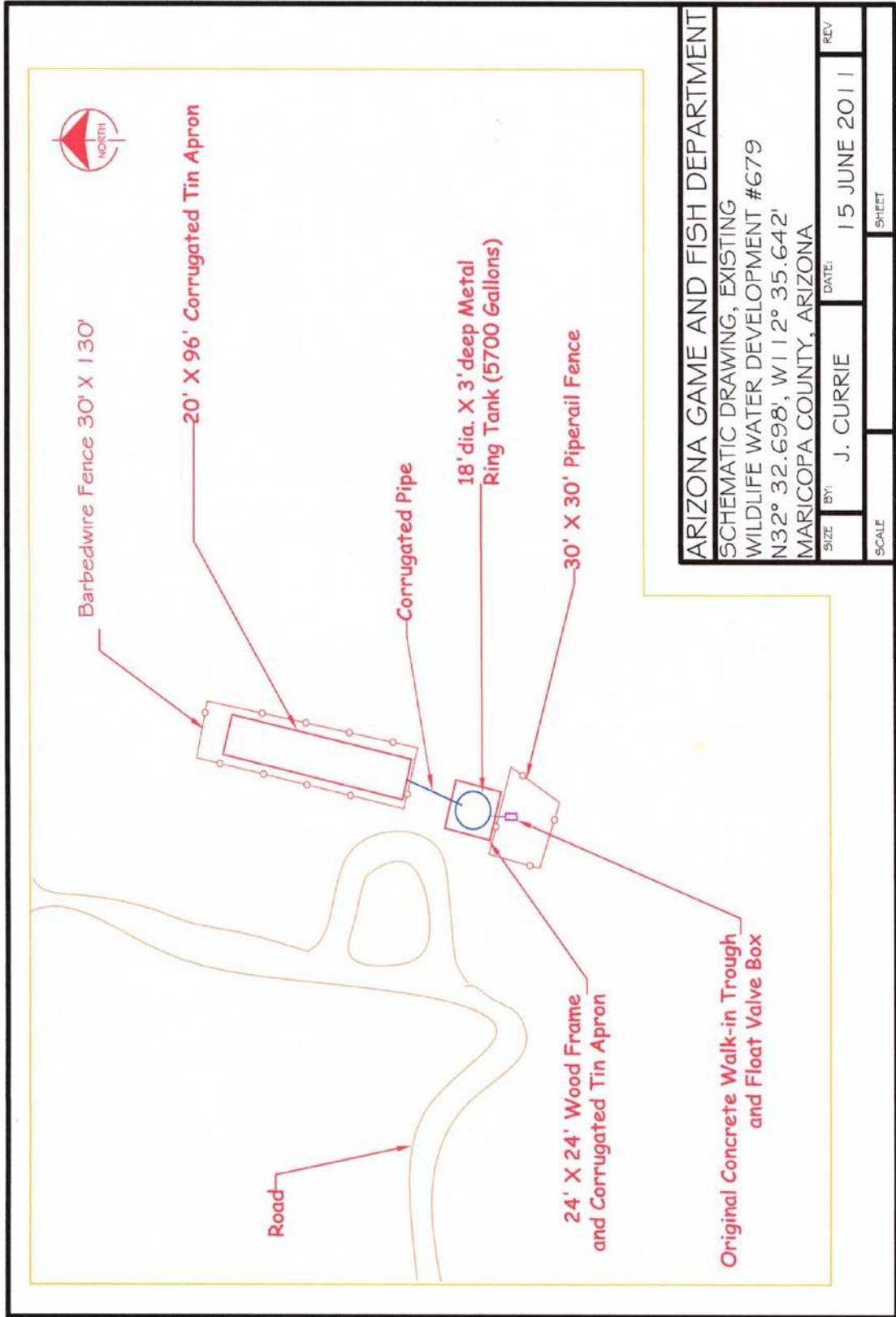
PROJECT NAME: White Tanks West catchment 679 Re-development

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”** YES
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Ed Jahrke and Joseph Currie 6-1-2011 & 08-25-2011
- 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?**

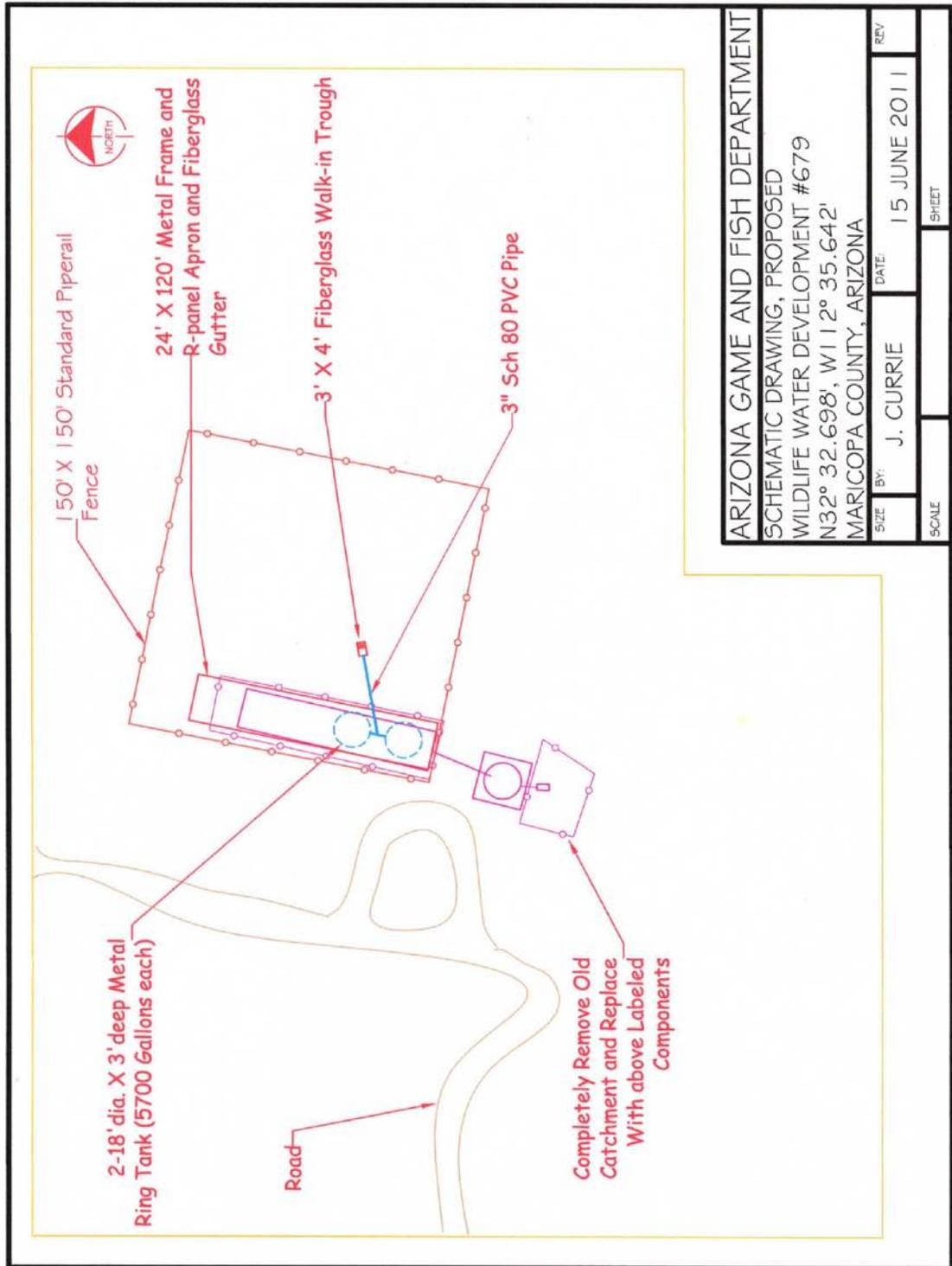
YES (please complete #5 below) NO (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**
Name of water source:
Type of water source (catchment, spring, dirt tank):
Ownership of water source:
Distance in miles from project:
- 6) **Is the target wildlife species a result 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.**
- 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 NO

■ Please describe any restrictions to public access: The shortest road to the catchment site crosses undeveloped land owned by several developers however there are alternative roads that though much longer do NOT cross private lane.
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**
- 10) **Was a site visit completed?** Yes No
If Yes, please list personnel that attended and date.
Mark Stewart, Ed Jahrke and Joseph Currie May 2011



ARIZONA GAME AND FISH DEPARTMENT	
SCHEMATIC DRAWING, EXISTING	
WILDLIFE WATER DEVELOPMENT #679	
N32° 32.698', W112° 35.642'	
MARICOPA COUNTY, ARIZONA	
SIZE	REV
BY: J. CURRIE	15 JUNE 2011
SCALE	SHEET



ARIZONA GAME AND FISH DEPARTMENT	
SCHEMATIC DRAWING, PROPOSED	
WILDLIFE WATER DEVELOPMENT #679	
N32° 32.698', W112° 35.642'	
MARICOPA COUNTY, ARIZONA	
SIZE BY:	DATE:
J. CURRIE	15 JUNE 2011
SCALE	SHEET

