



STORM DRAINAGE DESIGN MANUAL UPDATE

May 24th, 2018



TODAYS GOAL

Receive feedback from on the wash preservation tiered system and discuss policy.

Provide direction on scheduling for adoption, if appropriate.



WHERE WE LEFT OFF

- Last discussion was on March 8th
- One outstanding policy issue is wash preservation
- Staff presented a three tiered system, Council requested we solicit feedback from residents, designers, and builders



PRESERVATION OF NATURAL WASHES

Issue: Allow private property owners to modify washes or require them to be protected.

Direction: General consensus was it is a town value to protect natural character of washes but recognize private property development rights.

Staff is recommending adding a tiered approach to wash modification in latest SDDM.

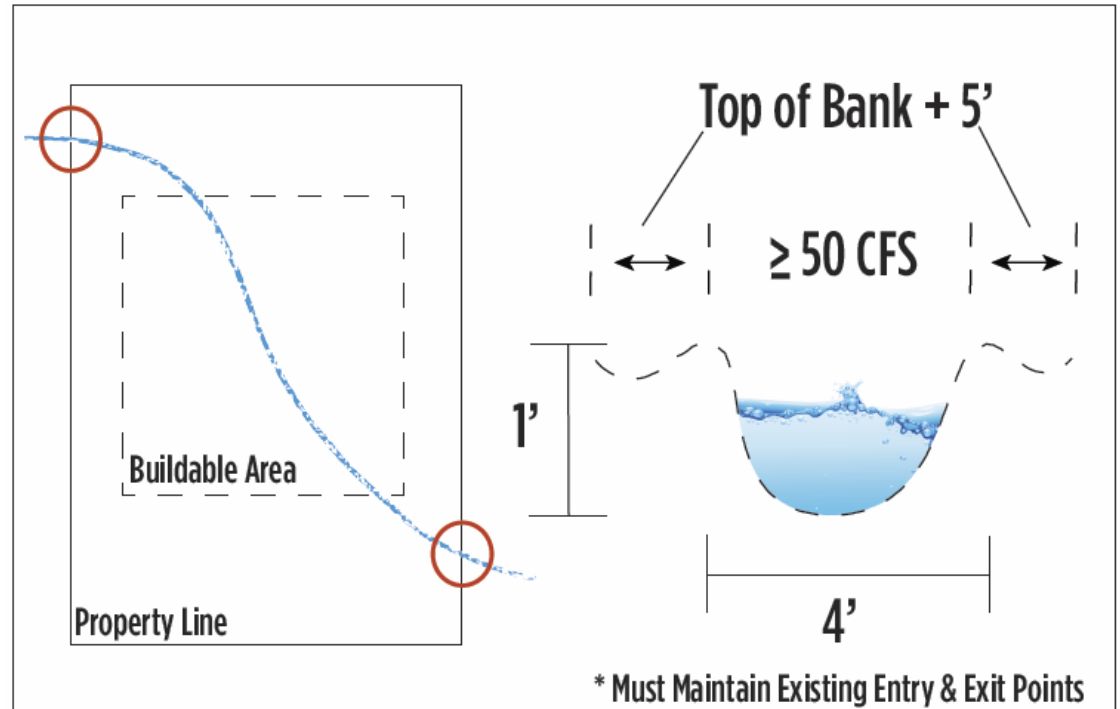


PRESERVATION OF NATURAL WASHES

Tier 1

Modification to Minor Wash

- Less than 2 feet deep or 5 feet wide
- Flows less than 50 CFS
- Allow developer to modify, relocate, or enclose the wash



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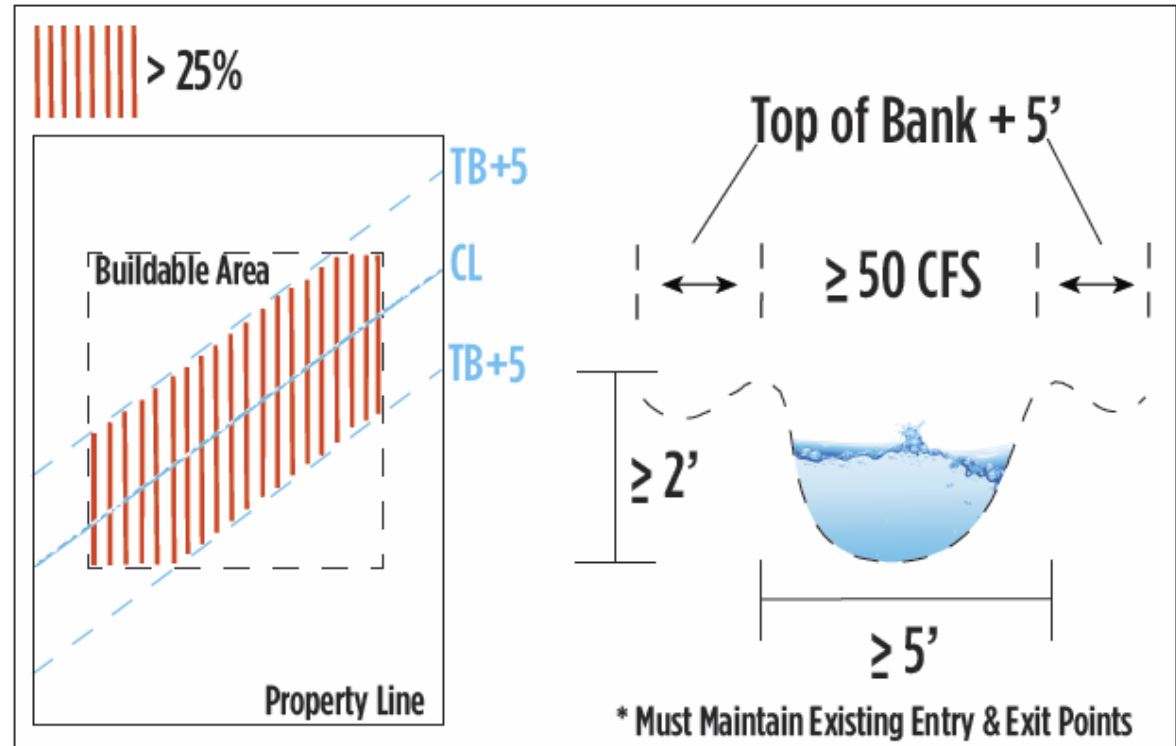
PRESERVATION OF NATURAL WASHES

Tier 2

Modification to Natural Wash

- Greater than 2 feet deep or 5 feet wide
- Flows more than 50 CFS
- Impacts more than 25% buildable area

Allow developer to relocate or enclose the wash to accommodate the main residence on the property



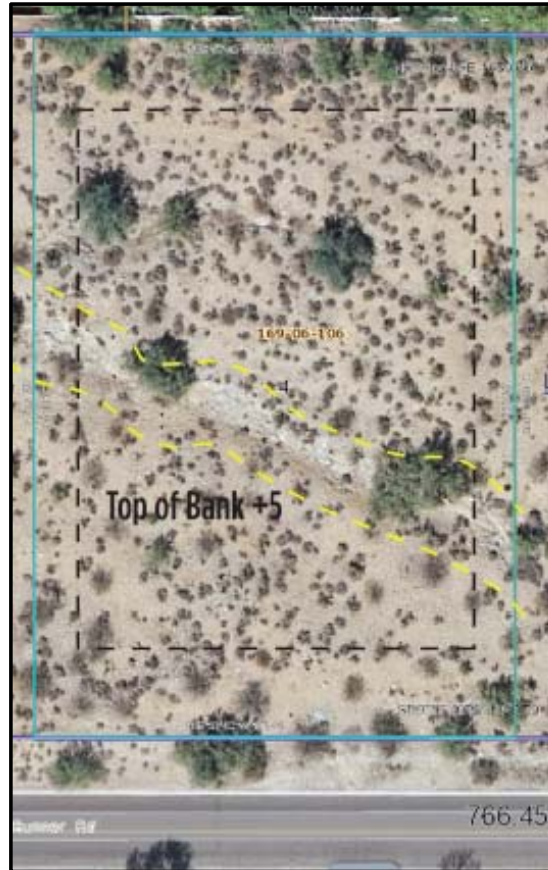
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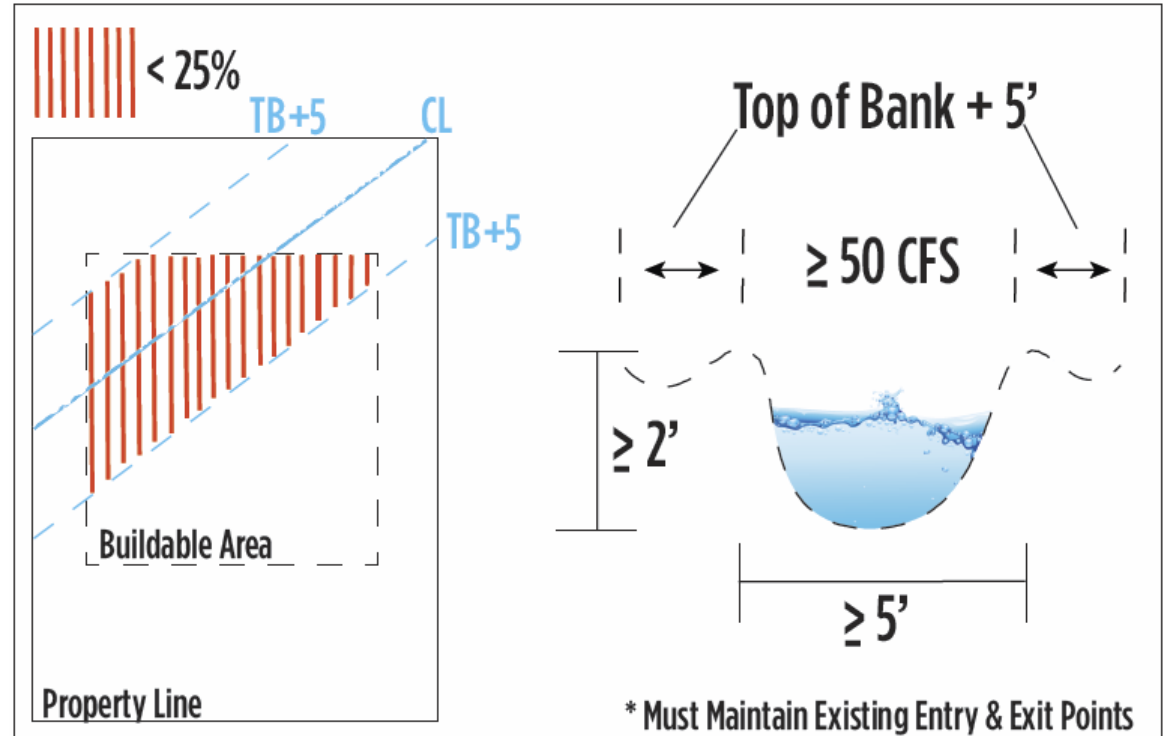
PRESERVATION OF NATURAL WASHES

Tier 3

Protection of Natural Wash

- Greater than 2 feet deep or 5 feet wide
- Flows more than 50 CFS
- Impacts less than 25% buildable area

Unable to modify, relocate, or enclose unless necessary to access property



PRESERVATION OF NATURAL WASHES

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May 24th, 2018



WASH CHARRETTE

- Held on April 5th at 6 PM in the Town Hall Community Room
- Advertised multiple ways
 - Electronic Invite to Builders Mailing List
 - Publication in PV Independent
 - Town Electronic Boards
 - Town Website

You are Invited!
Wash Preservation & Modification Open House
Provide Input on a Critical Town Policy

Thursday, April 5th @ 6:00pm - 8:00pm
Paradise Valley Town Hall- Community Room




TOWN OF PARADISE VALLEY
INCORPORATED MAY 1981


Town of Paradise Valley
WATERSHED STUDIES

Natural Wash Corridors: The Town's policy encourages the protection of Natural Wash corridors and discourages constructed and piped systems whenever possible. While there may be situations where a natural wash can be modified, it must be done in a way that mimics the natural channel and uses native materials.

Meeting Purpose: Residents and stakeholders are invited to help the Town answer what should be done when property owners want to enclose, relocate, or fill in a natural wash.

For More Information, please contact
Jeremy Knapp, Engineering Services Analyst
at (480)-348-3622 or
Paul Mood, Town Engineer
at (480)-348-3573.
Visit us at
www.paradisevalleyaz.gov

May 24th, 2018



WASH CHARRETTE

- Staff presented the tiered system
- Group questions and answers
- Breakout session
- Survey, results attached



1. **IMPORTANCE OF WASHES AND OPEN SPACE** – Circle one in response to the following comment:

Washes are an important aspect that contribute to the beauty of the Town of Paradise Valley as they provide paths to convey stormwater runoff, corridors for wildlife, and character for our residents and visitors.

Strongly Agree 9	Agree 1	Undecided	Disagree	Strongly Disagree 1
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2. **IMPORTANCE OF PRIVATE PROPERTY RIGHTS** – Circle one in response to the following comment:

Private property rights are the most important town value and the town should allow property owners to modify washes on their property in any manner so long as it does not negatively affect any other property owner.

Strongly Agree 5	Agree 2	Undecided	Disagree 3	Strongly Disagree 1
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3. **PROTECTION OF NATURAL WASHES VERSUS PRIVATE PROPERTY RIGHTS** – Respond to the following comment:

There should be a balance between wash preservation and private property rights and certain washes, based on their physical size or capacity, should be preserved.

Strongly Agree 4	Agree 3	Undecided	Disagree 1	Strongly Disagree 2
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ALTERNATIVE TO TIERED SYSTEM

3-6 Channel Conveyance, 2 Natural Wash Corridors:

When located within a fenced-in side or rear yard, Natural Washes are permitted to be modified inside of the fenced-in area of the property so long as they maintain the historical entrance and exit points and have no negative impact on neighboring properties as documented in a drainage report signed and sealed by a professional engineer. Natural Washes outside of the fenced-in yard which are visible from adjacent right-of-way, shall remain in their natural state.



OTHER CHANGES

- Standard clean up items such as adding town seal or subsections to the table of contents, sent to professional editor
- Non-regulatory items, such as the Low Impact Development Guidelines, were moved to an appendix. Redundant sections consolidated or eliminated.
- A definitions sections was added
- Hillside retention requirements changed to a sliding scale
- Storm Water Pollution Prevention Plan requirement for all grading activities



MOVING FORWARD

Bring forward final version incorporating any comments received tonight for council action?

- 1. Resolution adopting the amended Storm Drainage Design Manual**
- 2. Ordinance to change the text of Town Code Section 5-10-3 Storm Drainage Design**



May 24th, 2018

STORM DRAINAGE DESIGN MANUAL

Questions/Directions



May 24th, 2018