

**PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT
DEVELOPMENT CONCEPT PERMIT REVIEW CHECKLIST**

This checklist is to assist Pima County Regional Flood Control District staff in completing a review of project drainage information and to help assure consistent reviews. The checklist is provided as a courtesy to the public. It is not a substitute for professional judgment or complete text of codes, policies and design standards. Submitting the items summarized by the checklist does not insure project approval. Additional site-specific information may be required.

Project Name _____

Project Number _____

Some construction detail may be deferred to the Site Construction Permit.

Cover Sheet

_____ Multi-use basins: sign(s), service equipment elevated

Legend

- _____ 100-year Floodplain Limits for Regulatory Flows
- _____ Erosion Hazard Setbacks for Regulatory Flows
- _____ 404 Limits
- _____ FEMA limits

Detail Sheets

- _____ Channel sections: Q100, depth, freeboard, slope, N-value, velocity
- _____ Outlet protection matching supporting calculations
- _____ PAAL/street cross-sections: dimensions, curb height, Q100, slope
- _____ Detention Basin cross-sections: dimensions, top/bottom elevation, 100-Year WSE, outlet structures
- _____ Basin inlet/outlet structures
- _____ Bank protection, erosion protection and toe down details

Site Plan

- _____ Easements labeled as private
- _____ Public easements require management approval
- _____ Drainage easements shown/ labeled
- _____ Matches Utility/Hydrology
- _____ Existing Conditions/Infrastructure

Utility/Hydrology Sheet

- _____ Topography consistent with other available sources
- _____ Spot elevations, FFE, FG
- _____ Conceptual grade contours
- _____ Floodplain Limits for regulatory flows
- _____ 100-year WSE for regulatory flows, maximum distance of 200 feet apart (if FEMA, show FIRM data)
- _____ EHS for regulatory flows
- _____ Q100 and drainage areas entering and exiting the site
- _____ Q100 at all drainage structures
- _____ Erosion protection location and dimensions
- _____ Drainage scheme with flow arrows / % slope
- _____ Curb Openings/Scuppers Q100's, locations
- _____ Channels dimensions, construction, grades
- _____ Culverts material, size, grades, design Q, headwater
- _____ Pipe Material, Size, Inverts, Length
- _____ Storm Drains material, size, grades, manholes, rim elevations, inlets, design Q, outlets
- _____ Basins
 - _____ Inlet Structures with elevations
 - _____ Outlet Structures with elevations: invert, weir
 - _____ Outlet Protection
 - _____ Side Slopes
 - _____ Setbacks from structures/property lines
 - _____ Bottom 0.5% slope min. if detention only, flat if retention
 - _____ Security Barrier (min. 42") for side slopes steeper than 4:1 and 100-year depth greater than 2 feet
 - _____ Maintenance access
 - _____ Labeled as Private