

PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT
DEVELOPMENT PLAN REVIEW CHECKLIST

Project Name _____ Project Number _____

Cover Sheet

Legend

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

Site Plan

- _____ Easements labeled as private
 - _____ Public easements Division Manager
 - _____ Drainage easements shown/ labeled
 - _____ Matches Utility/Hydrology
 - _____ Existing Conditions/Infrastructure
- _____
- _____

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
- _____ Basin inlet/outlet structures with positive drainage for retention volumes
- _____ Bank protection, erosion protection and toe down details

Utility/Hydrology Sheet Plan View

- _____ Topography
- _____ 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 the site
- _____ Q100 at all drainage structures and points of exit
- _____ Erosion protection location and dimensions
- _____ Drainage scheme with flow arrows / % slope

Curb Openings / Scuppers

- _____ Q100 Shown
- _____ Standard detail called out

Channels

- _____ Construction: e.g., earthen, RR, soil cement, concrete
- _____ Dimensions
- _____ Slope: side and longitudinal

Culverts

- _____ Pipe Material, Size, Inverts, Length
- _____ Slope
- _____ Headwall
- _____ Design Discharge
- _____ Outlet Protection
- _____ Headwater

Storm Drains

- _____ Pipe Material, Size, Inverts, Lengths
- _____ Slope
- _____ Manholes / Rim Elevations
- _____ Catch Basins (Standard Detail)
- _____ Grate Inlets
- _____ Design Discharge
- _____ Outlet Protection

Basins

- _____ Inlet Structures with elevations
 - _____ Outlet Structures with elevations: invert, weir
 - _____ Outlet Protection
 - _____ Side Slopes
 - _____ Embankment Conditions, if applicable
 - _____ Descriptor Box
 - ___ Ret / Det Volume
 - ___ Top / bottom elevation
 - ___ 100-year Water Surface Elevation
 - ___ 100-year ponding depth
 - ___ Q100 in / Q100 out
 - _____ Setbacks from structures/property lines
 - _____ 0.5% slope / min. 12" low flow pipe/ 6" orifice plate
 - _____ Security Barrier (min. 42") for side slopes steeper than 4:1 and 100-year depth greater than 2 feet
 - _____ Maintenance access
 - _____ Labeled as Private
 - _____ Multi-use basins: sign(s), service equipment elevated
- _____
- _____
- _____
- _____