

Watson Drainage System Pre-Design

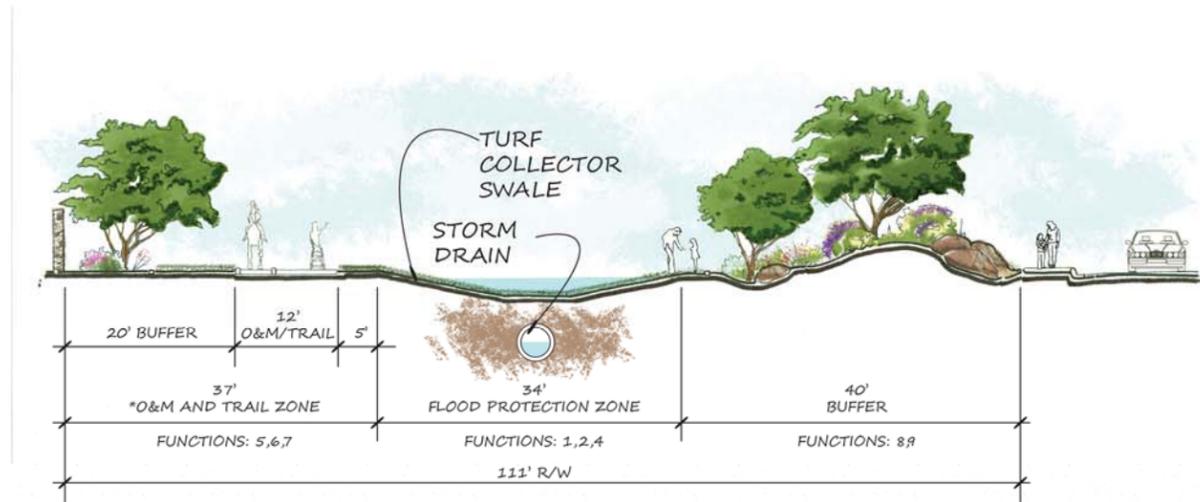
North Channel Lining Options



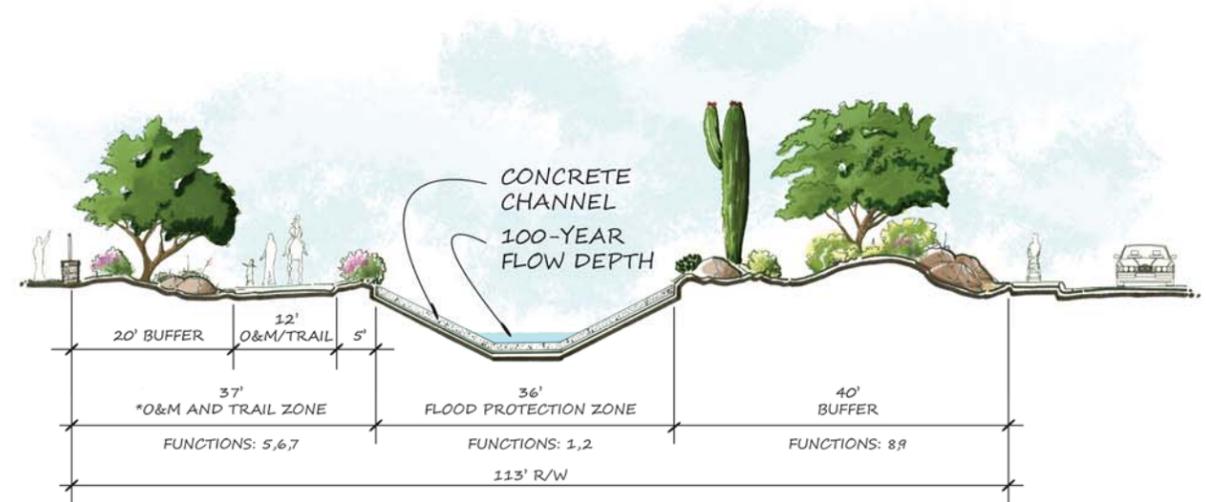
OPTIONS FOR CHANNELS NORTH OF BELOAT ROAD

1 OF 2

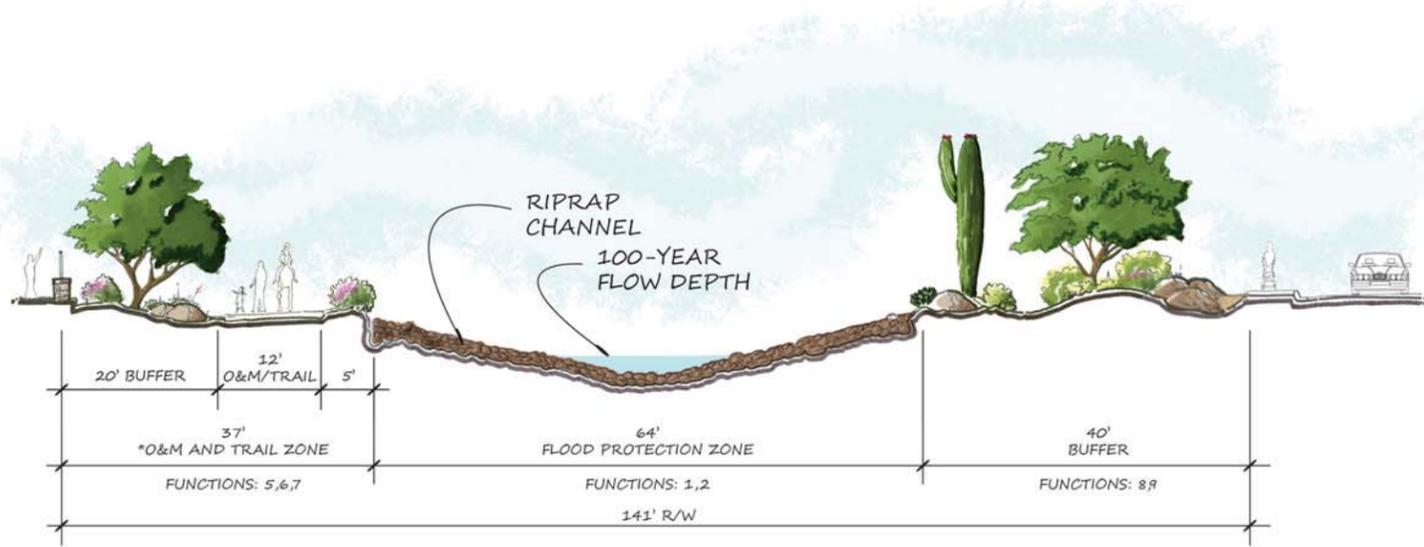
1 STORM DRAIN



2 CONCRETE CHANNEL



3 RIPRAP CHANNEL



FLOOD PROTECTION ZONE FUNCTIONS

- 1 - STORMWATER CONVEYANCE (PRIMARY FUNCTION)
- 2 - PRESERVE VIEWS TO MAJOR MOUNTAIN AREAS (WHITE TANK MOUNTAINS AND BUCKEYE HILLS/NORTH MARICOPA MOUNTAINS)
- 3 - PASSIVE OPEN SPACE
- 4 - ACTIVE RECREATION/OPEN SPACE

O&M AND TRAIL ZONE FUNCTIONS

- 5 - ACCOMMODATE TOWN OF BUCKEYE TRAILS MASTERPLAN*
- 6 - CONNECT SIGNIFICANT RECREATION AREAS AT SYSTEM ORIGIN (SKYLINE REGIONAL PARK AND OUTFALL (GILA RIVER)
- 7 - ACCOMMODATE EQUESTRIAN USE (POTENTIALLY ONE ROUTE ONLY)

BUFFER FUNCTIONS

- 8 - PASSIVE OPEN SPACE/WILDLIFE HABITAT
- 9 - SOFTEN CHANNEL APPEARANCE

* O&M ROAD AND TRAIL ZONE DIMENSIONS FROM TOWN OF BUCKEYE TRAILS MASTERPLAN