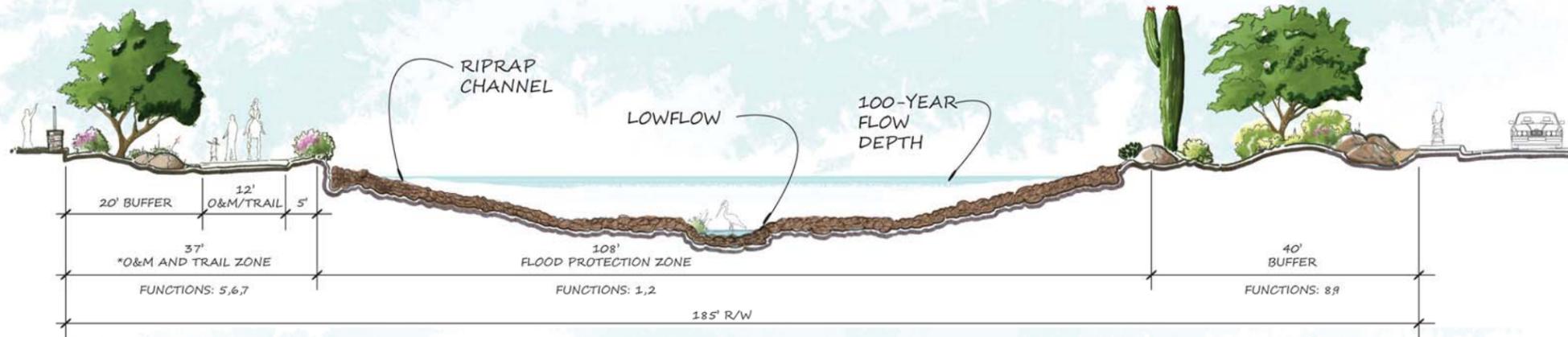


Watson Drainage System Pre-Design South Channel Lining Options

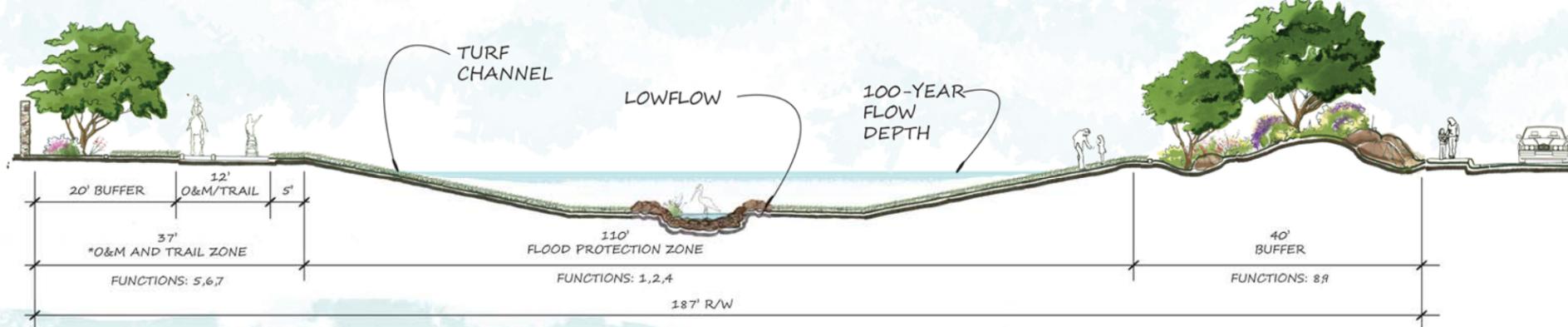


OPTIONS FOR CHANNELS FROM BELOAT ROAD TO THE GILA RIVER

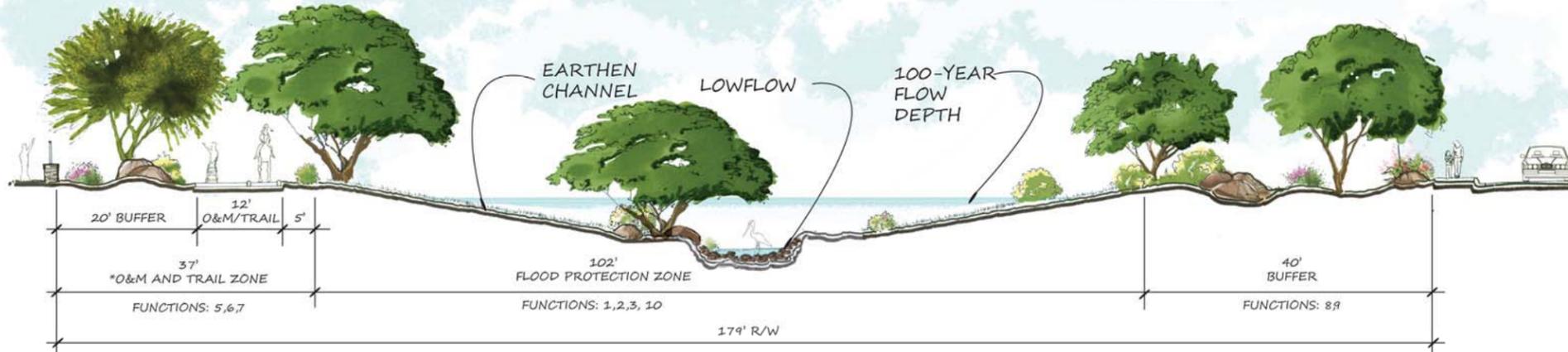
3 RIPRAP W/ LOWFLOW



4 TURF-LINED W/ LOWFLOW



5 6 EARTHEN W/ LOWFLOW



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
- 10 - EXTEND GILA RIVER CHARACTER INTO THE WATSON DRAINAGE SYSTEM

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