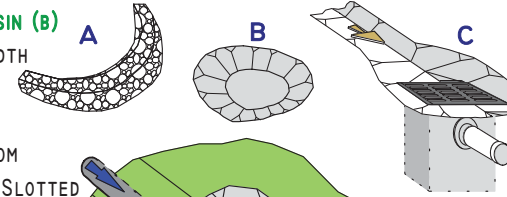


(RESIDENTIAL USE ONLY)
BEST MANAGEMENT PRACTICE
INFILTRATION BASIN

GUIDELINE: BASIN LENGTH = 2 X BASIN WIDTH OR GREATER
WITH LONG SIDE PERPENDICULAR TO THE SLOPE

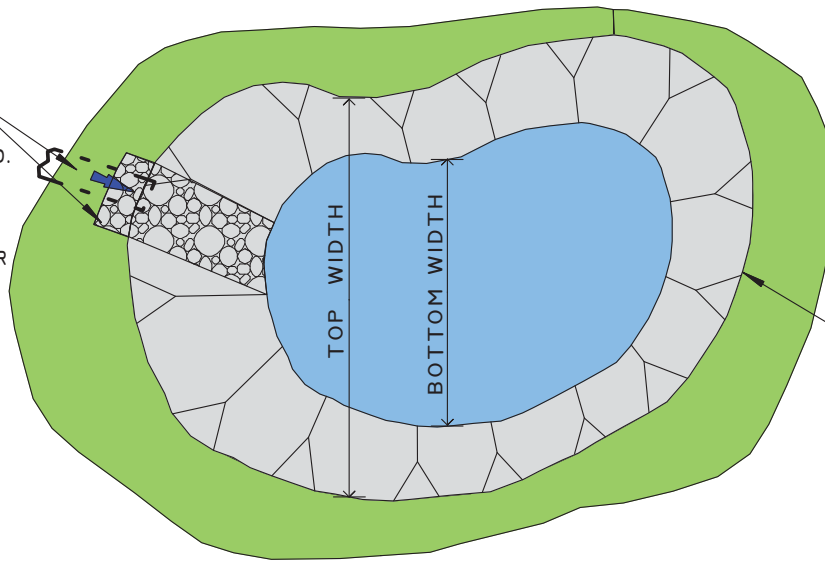
CHECK DAM (A) AND STILLING BASIN (B)
MIN. WIDTH=1/2 OF BASIN TOP WIDTH



**SEDIMENT TRAP
OPTIONS, SEE NOTE 2**

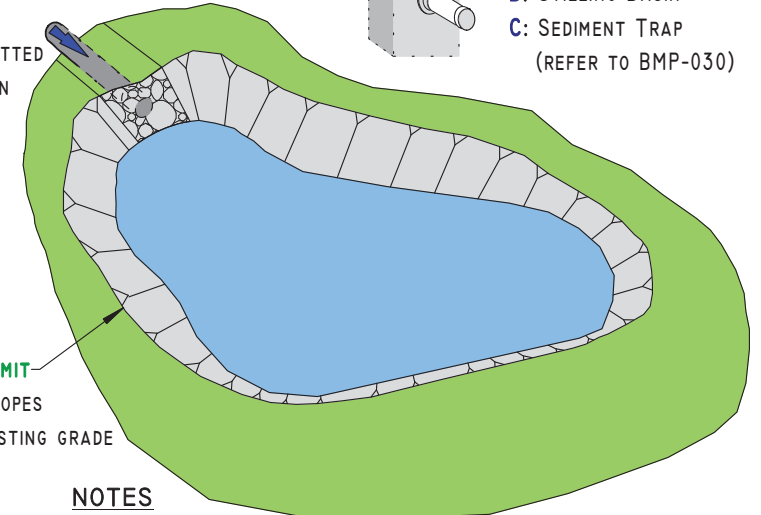
- A:** CHECK DAM
- B:** STILLING BASIN
- C:** SEDIMENT TRAP
(REFER TO BMP-030)

INLET PIPE,
VEGETATED OR ROCK
LINED SWALE AS REQ'D.
MIN. WIDTH IS 1/3
OF BASIN OR 2',
WHICHEVER IS GREATER



PLAN VIEW

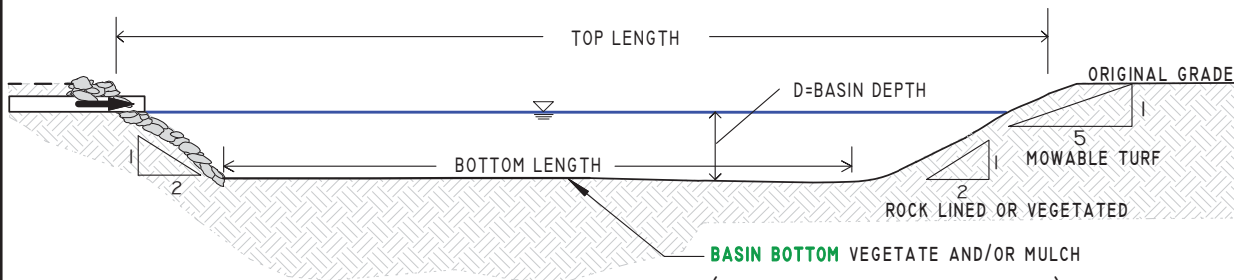
INFLOW FROM
SWALE OR SLOTTED
CHANNEL DRAIN



EXCAVATION LIMIT
WHERE SIDE SLOPES
INTERSECT EXISTING GRADE

NOTES

1. EXCAVATE BASIN TO THE SITE SPECIFIC BASIN DIMENSIONS (L, W AND D) AND MAXIMUM SLOPE REQUIREMENTS. REFER TO THE BMP "SITE EVALUATION RECOMMENDED TREATMENTS" FORM OR OTHER APPROVED BMP SIZING CALCULATIONS. FOLLOW GUIDELINES ON NRCS "INSTALLING INFILTRATION BASINS" TIP SHEET. SIDE SLOPES MAY BE ROCK LINED OR VEGETATED.
2. FOR OPTIMAL PERFORMANCE, INSTALL ONE OF THE THREE SEDIMENT TRAPS.
3. SALVAGE TOP SOIL AND RE-USABLE VEGETATION FOR BASIN BOTTOM AND SLOPES WHEN CLEARING THE SITE IN PREPARATION FOR EXCAVATION.
4. BOTTOM OF BASIN MUST BE LEVEL. ON SLOPED SITES, EFFECTIVE DEPTH IS MEASURED ON THE DOWNHILL END OF THE BASIN.
5. *REGULARLY SCHEDULED MAINTENANCE IS NECESSARY TO MAINTAIN FULL FUNCTION. INSPECT IN SPRING, FALL, AND AFTER HEAVY RAINS. REMOVE AND DISPOSE OF DEBRIS AND ACCUMULATED SEDIMENT PROPERLY.*



PROFILE

EMBANKMENT BASIN OPTION

EXCAVATED INFILTRATION BASINS SHOWN ARE LIMITED PRACTICALLY TO SITES WITH LESS THAN 5% SLOPE. CONSULT AN ENGINEER FOR BASINS ON SITES WITH GREATER THAN 5% SLOPE. A COMBINATION OF EMBANKMENT AND EXCAVATION COULD REDUCE THE AMOUNT OF SOIL EXCAVATION AND OFF HAUL. OBTAIN ENGINEER'S PLANS AND SPECIFICATIONS FOR ACCEPTABLE FILL, COMPACTION, ARMORED OVERFLOW SPILLWAY, AND REQUIRED FREEBOARD.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
IN COOPERATION WITH
**TAHOE RESOURCE CONSERVATION DISTRICT, AND
NEVADA TAHOE CONSERVATION DISTRICT**

DRAWN BY: CLT	APPROVED BY: _____ DATE _____
------------------	----------------------------------

THIS STANDARD DRAWING IS BASED ON A REFERENCE TO THE NRCS STANDARD PRACTICE 570 - STORMWATER RUNOFF CONTROL, 587-STRUCTURE FOR WATER CONTROL, AND 350-SEDIMENT BASIN. THIS DRAWING IS INTENDED TO ASSIST THE DESIGNER IN PREPARATION OF A COMPLETE SITE SPECIFIC DESIGN, AND IT IS NOT TO REPLACE THE INDEPENDENT JUDGMENT AND ANALYSIS BY A QUALIFIED DESIGNER. INFILTRATION SYSTEM SIZING IS CALCULATED BASED ON THE HYDRAULIC CONDUCTIVITY OF THE SOILS ON SITE AND VOLUME OF RUNOFF BEING CAPTURED. USDA IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER